



Publications

Journal articles

Aasi, J., Abadie, J., Abbott, B. P., Abbott, R., Abbott, T., Abernathy, M. R., . . . Boschi, V. (2015). Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. [10.1103/PhysRevD.91.022003]. *Physical Review D - Particles, Fields, Gravitation and Cosmology*, 91(2), 022003-022001-022003-022018. doi: 10.1103/PhysRevD.91.022003

Aasi, J., Abadie, J., Abbott, B. P., Abbott, R., Abbott, T., Abernathy, M. R., . . . Braginsky, V. B. (2015). Characterization of the LIGO detectors during their sixth science run. [10.1088/0264-9381/32/11/115012]. *Classical and Quantum Gravity*, 32(11), 115012-115011-115012-115030. doi: 10.1088/0264-9381/32/11/115012

Aasi, J., Abbott, B. P., Abbott, R., Abbott, T., Abernathy, M. R., Acernese, F., . . . Bogaert, G. (2015). Narrow-band search of continuous

gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. [10.1103/PhysRevD.91.022004]. *Physical Review D - Particles, Fields, Gravitation and Cosmology*, 91(2), 022004-022001-022004-022015. doi: 10.1103/PhysRevD.91.022004

Aasi, J., Abbott, B. P., Abbott, R., Abbott, T., Abernathy, M. R., Acernese, F., . . . Zweizig, J. (2015). Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. [10.1103/PhysRevD.91.062008]. *Physical Review D: Particles, Fields, Gravitation and Cosmology*, 91(6), 062008-062001-062008-062020. doi: 10.1103/PhysRevD.91.062008

Aasi, J., Abbott, B. P., Abbott, R., Abbott, T., Abernathy, M. R., Acernese, F., . . . Bojtos, P. (2015). Searches for continuous gravitational waves from nine young supernova remnants. [10.1088/0004-637X/813/1/39]. *The Astrophysical Journal*, 813(1), 39-31-39-16. doi: 10.1088/0004-637X/813/1/39

Abbott, B. P., Abbott, R., Abbott, T. D., Abernathy, M. R., Acernese, F., Ackley, K., . . . Zweizig, J. A First Targeted Search for Gravitational-Wave Bursts from Core-Collapse Supernovae in Data of First-Generation Laser Interferometer Detectors.

Abbott, B. P., Abbott, R., Abbott, T. D., Abernathy, M. R., Acernese, F., Ackley, K., . . . Boer, M. (2016). Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. [10.1103/PhysRevD.94.042002]. *Physical Review D - Particles, Fields, Gravitation and Cosmology*, 94(4). doi: 10.1103/PhysRevD.94.042002

Abbott, B. P., Abbott, R., Abbott, T. D., Abernathy, M. R., Acernese, F., Ackley, K., . . . Blair, R. M. (2016). SUPPLEMENT: "LOCATION and BROADBAND FOLLOW-UP of the GRAVITATIONAL-WAVE TRANSIENT GW150914" (2016, ApJL, 826, L13). [10.3847/0067-0049/225/1/8]. *Astrophysical Journal, Supplement Series*, 225(1), 8-8. doi: 10.3847/0067-0049/225/1/8

- Abbott, B. P., Abbott, R., Abbott, T. D., Abernathy, M. R., Acernese, F., Ackley, K., . . Sigurdsson, S. Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. doi: 10.1039/c4cy01168f
- Abbott, B. P., Abbott, R., Abbott, T. D., Abernathy, M. R., Ackley, K., Adams, C., . . Harms, J. Exploring the Sensitivity of Next Generation Gravitational Wave Detectors.
- Abul Khair, H., Cooke, D., & Hand, M. (2015). Paleo stress contribution to fault and natural fracture distribution in the Cooper Basin. [10.1016/j.jsg.2015.07.007]. *Journal of Structural Geology*, 79(C), 31-41. doi: 10.1016/j.jsg.2015.07.007
- Abul Khair, H., Cooke, D., & Hand, M. (2015). Seismic mapping and geomechanical analyses of faults within deep hot granites, a workflow for enhanced geothermal system projects. [10.1016/j.geothermics.2014.04.007]. *Geothermics*, 53(C), 46-56. doi: 10.1016/j.geothermics.2014.04.007
- Adnan, R. H., Andersson, G. G., Polson, M. I. J., Metha, G. F., & Golovko, V. B. (2015). Factors influencing the catalytic oxidation of benzyl alcohol using supported phosphine-capped gold nanoparticles. [10.1039/c4cy01168f]. *Catalysis Science and Technology*, 5(2), 1323-1333.
- Ahmetgareev, V., Zeinijahromi, A., Badalyan, A., Khisamov, R., & Bedrikovetsky, P. (2015). Analysis of low salinity waterflooding in bastrykskoye field. [10.1080/10916466.2014.997390]. *Petroleum Science and Technology*, 33(5), 561-570. doi: 10.1080/10916466.2014.997390
- Aivazpourporgou, S., Thiel, S., Hayman, P. C., Moresi, L. N., & Heinson, G. (2015). Decompression melting driving intraplate volcanism in Australia: Evidence from magnetotelluric sounding. [10.1002/2014GL060088]. *Geophysical Research Letters*, 42(2), 346-354. doi: 10.1002/2014GL060088
- Alghalandis, Y. F., Dowd, P. A., & Xu, C. (2015). Connectivity field: a measure for characterising fracture networks. [10.1007/s11004-014-9520-7]. *Mathematical Geosciences*, 47(1), 63-83. doi: 10.1007/s11004-014-9520-7
- Alipooramirabad, H., Paradowska, A., Ghomashchi, R., Kotousov, A., & Reid, M. (2015). Quantification of residual stresses in multi-pass welds using neutron diffraction. [10.1016/j.jmatprotec.2015.07.002]. *Journal of Materials Processing Technology*, 226(C), 40-49. doi: 10.1016/j.jmatprotec.2015.07.002
- Alsawat, M., Altalhi, T., Gulati, K., Santos, A., & Losic, D. (2015). Synthesis of carbon nanotube-nanotubular titania composites by catalyst-free CVD process: insights into the formation mechanism and photocatalytic properties. [10.1021/acسامي.5b08956]. *ACS Applied Materials and Interfaces*, 7(51), 28361-28368. doi: 10.1021/acسامي.5b08956
- Alsawat, M., Altalhi, T., Kumeria, T., Santos, A., & Losic, D. (2015). Carbon nanotube-nanoporous anodic alumina composite membranes with controllable inner diameters and surface chemistry: Influence on molecular transport and chemical selectivity. [10.1016/j.carbon.2015.05.090]. *Carbon*, 93(C), 681-692. doi: 10.1016/j.carbon.2015.05.090
- Altree-Williams, A., Pring, A., Ngothai, Y., & Brugger, J. (2015). Textural and compositional complexities resulting from coupled dissolution-reprecipitation reactions in geomaterials. [10.1016/j.earscirev.2015.08.013]. *Earth-Science Reviews*, 150(C), 628-651. doi: 10.1016/j.earscirev.2015.08.013
- Amarasinghe, U., Chaudhuri, A., Collins, A. S., Deb, G., & Patranabis-Deb, S. (2015). Evolving provenance in the Proterozoic Pranhita-Godavari Basin, India. [10.1016/j.gsf.2014.03.009]. *Geoscience Frontiers*, 6(3), 453-463. doi:

- 10.1016/j.gsf.2014.03.009
- Amin, D. B., Lawless, I. M., Sommerfeld, D., Stanley, R. M., Ding, B., & Costi, J. J. (2015). Effect of potting technique on the measurement of six degree-of-freedom viscoelastic properties of human lumbar spine segments. [10.1115/1.4029698]. *Journal of Biomechanical Engineering*, 137(5), 054501-054501-054501-054508. doi: 10.1115/1.4029698
- An, H., & Jin, B. (2015). Fullerols and fullerene alter cell growth and metabolisms of Escherichia coli. [10.1166/jbn.2015.2070]. *Journal of Biomedical Nanotechnology*, 11(7), 1261-1268. doi: 10.1166/jbn.2015.2070
- An, H., Jin, B., & Dai, S. (2015). Fabricating polystyrene fiber-dehydrogenase assemble as a functional biocatalyst. [10.1016/j.enzmictec.2014.09.010]. *Enzyme and Microbial Technology*, 68(C), 15-22. doi: 10.1016/j.enzmictec.2014.09.010
- An, L., Feng, L., Chen, H., Hu, E., & Zhang, Z. (2015). Thermo-economic state equation of a recirculating solar aided power system. *Taiyangneng Xuebao/Acta Energiae Solaris Sinica*, 36(1), 209-215.
- Andersen, K. A., Grimshaw, P. N., Kelso, R. M., & Bentley, D. J. (2016). Musculoskeletal Lower Limb Injury Risk in Army Populations. [10.1186/s40798-016-0046-z]. *Sports medicine - open*, 2, 22. doi: 10.1186/s40798-016-0046-z
- Andjelkovic, I., Tran, D. N. H., Kabiri, S., Azari, S., Markovic, M., & Losic, D. (2015). Graphene aerogels decorated with α -FeOOH nanoparticles for efficient adsorption of arsenic from contaminated waters. [10.1021/acsami.5b01624]. *ACS Applied Materials and Interfaces*, 7(18), 9758-9766. doi: 10.1021/acsami.5b01624
- Arboit, F., Amrouch, K., Collins, A. S., King, R., & Morley, C. (2015). Determination of the tectonic evolution from fractures, faults, and calcite twins on the southwestern margin of the Indochina Block. [10.1002/2015TC003876]. *Tectonics*, 34(8), 1576-1599. doi: 10.1002/2015TC003876
- Argent, J., Torkzaban, S., Hubbard, S., Le, H., Amirianshoja, T., & Haghghi, M. (2015). Visualization of micro-particle retention on a heterogeneous surface using micro-models: influence of nanoscale surface roughness. [10.1007/s11242-015-0511-z]. *Transport in Porous Media*, 109(2), 239-253. doi: 10.1007/s11242-015-0511-z
- Arnold, D. J., Stokes, Y. M., & Green, J. E. (2015). Thin-film flow in helically-wound rectangular channels of arbitrary torsion and curvature. [10.1142/S0218396X15400123]. *Journal of Computational* [10.1017/jfm.2014.703]. *Journal of Fluid Mechanics*, 764, 76-94. doi: 10.1017/jfm.2014.703
- Aryan, P., Kotousov, A., Ng, C., & Cazzolato, B. (2015). Characterization of Lamb Waves and Damage Imaging at Corrosion Type Damage with 3D Laser Vibrometry. *International Journal of Mechanical Engineering and Automation*, 2(9), 411-417.
- Aryan, P., Kotousov, A., Ng, C., & Cazzolato, B. (2015). Numerical investigations on a new method for reconstruction of baseline signals for damage detection with Lamb waves. *International Journal of Mechanical Engineering and Automation*, 2(10), 460-466.
- Awad, J., van Leeuwen, J., Abate, D., Pichler, M., Bestland, E., Chittleborough, D. J., . . . Drikas, M. (2015). The effect of vegetation and soil texture on the nature of organics in runoff from a catchment supplying water for domestic consumption. [10.1016/j.scitotenv.2015.05.037]. *Science of the Total Environment*, 529(C), 72-81. doi: 10.1016/j.scitotenv.2015.05.037
- Ayub, M., Zander, A. C., Howard, C. Q., Huang, D. M., & Cazzolato, B. S. (2015). Molecular dynamics simulations of sound wave propagation in a gas and thermo-acoustic effects on a carbon nanotube. [10.1142/S0218396X15400123]. *Journal of Computational*

- Acoustics*, 23(4), 1540012-1540011-1540012-1540018. doi: 10.1142/S0218396X15400123
- Bagheri, Z. M., Wiederman, S. D., Cazzolato, B. S., Grainger, S., & O'Carroll, D. C. (2015). Properties of neuronal facilitation that improve target tracking in natural pursuit simulations. [10.1098/rsif.2015.0083]. *Journal of the Royal Society Interface*, 12(108), 20150083-20150081-20150083-20150013. doi: 10.1098/rsif.2015.0083
- Bailey, A. H. E., King, R. C., Holford, S. P., Sage, J., Hand, M., & Backé, G. (2015). Defining structural permeability in Australian sedimentary basins. *The APPEA Journal*, 55, 119-147.
- Batmunkh, M., Biggs, M. J., & Shapter, J. G. (2015). Carbon nanotubes for dye-sensitized solar cells. [10.1002/smll.201403155]. *Small*, 11(25), 2963-2989. doi: 10.1002/smll.201403155
- Batmunkh, M., Biggs, M. J., & Shapter, J. G. (2015). Carbonaceous dye-sensitized solar cell photoelectrodes. [10.1002/advs.201400025]. *Advanced Science*, 2(3), 1400025-1400021-1400025-1400016. doi: 10.1002/advs.201400025
- Batmunkh, M., Shearer, C. J., Biggs, M. J., & Shapter, J. G. (2015). Nanocarbons for mesoscopic perovskite solar cells. [10.1039/c5ta00873e]. *Journal of Materials Chemistry A*, 3(17), 9020-9031. doi: 10.1039/c5ta00873e
- Bayatsarmadi, B., Zheng, Y., Jaroniec, M., & Qiao, S. Z. (2015). Soft-Templating Synthesis of N-Doped Mesoporous Carbon Nanospheres for Enhanced Oxygen Reduction Reaction. [10.1002/asia.201500287]. *Chemistry - An Asian Journal*, 10(7), 1546-1553. doi: 10.1002/asia.201500287
- Bean, N. G., Elliott, R., Eshragh, A., & Ross, J. V. (2015). On binomial observations of continuous-time Markovian population models. [10.1239/jap/1437658609]. *Journal of Applied Probability*, 52(2), 457-472. doi: 10.1239/jap/1437658609
- Bennett, T., Adnan, R. H., Alvino, J. F., Kler, R., Golovko, V. B., Metha, G. F., & Andersson, G. G. (2015). Effect of gold nanoclusters on the production of Ti³⁺ defect sites in titanium dioxide nanoparticles under ultraviolet and soft x-ray radiation. [10.1021/jp5119162]. *Journal of Physical Chemistry C*, 119(20), 11171-11177. doi: 10.1021/jp5119162
- Biggs, M. J., & Theodorou, D. (2015). 2013 Danckwerts special issue on molecular modelling in chemical engineering. [10.1016/j.ces.2014.10.033]. *Chemical Engineering Science*, 121(C), 1-2. doi: 10.1016/j.ces.2014.10.033
- Binder, B. J., Blyth, M. G., & Balasuriya, S. (2015). Steady free-surface flow over spatially periodic topography. [10.1017/jfm.2015.507]. *Journal of Fluid Mechanics*, 781(ARTN R3), R3-1-R3-14. doi: 10.1017/jfm.2015.507
- Binder, B. J., Landman, K. A., Newgreen, D. F., & Ross, J. V. (2015). Incomplete penetrance: the role of stochasticity in developmental cell colonization. [10.1016/j.jtbi.2015.05.028]. *Journal of Theoretical Biology*, 380(C), 309-314. doi: 10.1016/j.jtbi.2015.05.028
- Binder, B. J., & Simpson, M. J. (2015). Spectral analysis of pair-correlation bandwidth: application to cell biology images. [10.1098/rsos.140494]. *Royal Society Open Science*, 2(2), 140494-140491-140494-140415. doi: 10.1098/rsos.140494
- Binder, B. J., Sundstrom, J. F., Gardner, J. M., Jiranek, V., & Oliver, S. G. (2015). Quantifying two-dimensional filamentous and invasive growth spatial patterns in yeast colonies. [10.1371/journal.pcbi.1004070]. *PLoS Computational Biology*, 11(2), e1004070-1004071-e1004070-1004015. doi: 10.1371/journal.pcbi.1004070
- Blades, M. L., Collins, A. S., Foden, J., Payne, J. L., Xu, X., Alemu, T., . . . Taylor, R. J. M. (2015). Age and

- hafnium isotopic evolution of the Didesa and Kemashi Domains, western Ethiopia. [10.1016/j.precamres.2015.09.018]. *Precambrian Research*, 270(C), 267-284. doi: 10.1016/j.precamres.2015.09.018
- Bloch, W. M., Burgun, A., Doonan, C. J., & Sumby, C. J. (2015). Probing post-synthetic metallation in metal-organic frameworks: insights from X-ray crystallography. [10.1039/c4cc09639h]. *Chemical Communications*, 51(25), 5486-5489. doi: 10.1039/c4cc09639h
- Bloch, W. M., Champness, N. R., & Doonan, C. J. (2015). X-ray Crystallography in Open-Framework Materials. [10.1002/anie.201501545]. *Angewandte Chemie - International Edition*, 54(44), 12860-12867. doi: 10.1002/anie.201501545
- Bloch, W. M., & Sumby, C. J. (2015). Probing solid-state breathing and structural transformations in a series of silver(I) porous coordination polymers. [10.1002/ejic.201500647]. *European Journal of Inorganic Chemistry*, 2015(22), 3723-3729. doi: 10.1002/ejic.201500647
- Bloch, W. M., & Sumby, C. J. (2015). Silver(I) coordination polymers of the 'hinged' pyrazine containing ligand di-2-pyrazinylmethane. [10.1080/10610278.2015.1078465]. *Supramolecular Chemistry*, 27(11-12), 807-819. doi: 10.1080/10610278.2015.1078465
- Bortolan Neto, L., Khanna, A., & Kotousov, A. (2015). Conductivity and performance of hydraulic fractures partially filled with compressible proppant packs. [10.1016/j.ijrmms.2014.11.005]. *International Journal of Rock Mechanics and Mining Sciences*, 74(C), 1-9. doi: 10.1016/j.ijrmms.2014.11.005
- Bowman, A. S., Facelli, J. M., & Sinclair, R. (2015). Long-term influence of fallen logs on patch formation and their effects under contrasting grazing regimes. [10.1111/aec.12204]. *Austral Ecology*, 40(3), 238-244. doi: 10.1111/aec.12204
- Bruce, M. I., Burgun, A., George, J., Nicholson, B. K., Parker, C. R., Skelton, B. W., ... Zaitseva, N. N. (2015). Some reactions of azides with diynyl-bis(phosphine)ruthenium-cyclopentadienyl complexes. [10.1016/j.jorganchem.2015.08.019]. *Journal of Organometallic Chemistry*, 797(C), 185-193. doi: 10.1016/j.jorganchem.2015.08.019
- Buchak, P., Crowd, D. G., Stokes, Y. M., & Ebendorff-Heidepriem, H. (2015). Elliptical pore regularisation of the inverse problem for microstructured optical fibre fabrication. [10.1017/jfm.2015.337]. *Journal of Fluid Mechanics*, 778, 5-38. doi: 10.1017/jfm.2015.337
- Cai, T., Xing, W., Liu, Z., Zeng, J., Xue, Q., Qiao, S., & Yan, Z. (2015). Superhigh-rate capacitive performance of heteroatoms-doped double shell hollow carbon spheres. [10.1016/j.carbon.2015.01.032]. *Carbon*, 86(C), 235-244. doi: 10.1016/j.carbon.2015.01.032
- Calabretto, S. A. W., Denier, J. P., & Mattner, T. W. (2015). The flow external to a rotating torus. [10.1007/s00162-015-0380-7]. *Theoretical and Computational Fluid Dynamics*, Online(4), 1-18. doi: 10.1007/s00162-015-0380-7
- Calabretto, S. A. W., Levy, B., Denier, J. P., & Mattner, T. W. (2015). The unsteady flow due to an impulsively rotated sphere. [10.1098/rspa.2015.0299]. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, 471(2181). doi: 10.1098/rspa.2015.0299
- Calabretto, S. A. W., Mattner, T. W., & Denier, J. P. (2015). The effect of seam imperfections on the unsteady flow within a fluid-filled torus. [10.1017/jfm.2015.46]. *Journal of Fluid Mechanics*, 767, 240-253. doi: 10.1017/jfm.2015.46
- Campbell, S. G., Reith, F., Etschmann, B., Brugger, J., Martinez-Criado, G., Gordon, R. A., & Southam, G. (2015). Surface transformations of

- platinum grains from Fifield, New South Wales, Australia. [10.2138/am-2015-4905]. *American Mineralogist*, 100(5-6), 1236-1243. doi: 10.2138/am-2015-4905
- Cao, F., Wan, Z., Wang, M., You, Z., & Ren, Z. (2015). Numerical modeling of fine particle fractal aggregates in turbulent flow. [10.2298/TSCI1504189C]. *Thermal Science*, 19(4), 1189-1193. doi: 10.2298/TSCI1504189C
- Cao, X., Liu, J., Cao, X., Li, Q., Hu, E., & Fan, F. (2015). Study of the thermal insulation properties of the glass fiber board used for interior building envelope. [10.1016/j.enbuild.2015.08.007]. *Energy and Buildings*, 107(C), 49-58. doi: 10.1016/j.enbuild.2015.08.007
- Carter, S., Heinson, G., Krieger, L., Rees, N., Conway, D., Putland, O., . . . Mathews, C. (2015). Monitoring of hydraulic fracturing in Moomba, South Australia, using magnetotellurics. *Australian Petroleum Production and Exploration Association (APPEA) Journal*.
- Ceko, M. J., Hummitzsch, K., Bonner, W. M., Aitken, J. B., Spiers, K. M., Rodgers, R. J., & Harris, H. H. (2015). Localization of the trace elements iron, zinc and selenium in relation to anatomical structures in bovine ovaries by X-ray fluorescence imaging. [10.1017/S1431927615000380]. *Microscopy and Microanalysis*, 21(3), 695-705. doi: 10.1017/S1431927615000380
- Ceko, M. J., Hummitzsch, K., Hatzirodos, N., Bonner, W., James, S. A., Kirby, J. K., . . . Harris, H. H. (2015). Distribution and speciation of bromine in mammalian tissue and fluids by X-ray fluorescence imaging and X-ray absorption spectroscopy. [10.1039/c4mt00338a]. *Metallomics*, 7(5), 756-765. doi: 10.1039/c4mt00338a
- Ceko, M. J., Hummitzsch, K., Hatzirodos, N., Bonner, W., M., Aitken, J. B., Russell, D. L., . . . Harris, H. H. (2015). Erratum: X-Ray fluorescence imaging and other analyses identify selenium and GPX1 as important in female reproductive function (Metallomics (2014) DOI:10.1039/c4mt00228h). [10.1039/c4mt90049a]. *Metallomics*, 7(1), 188-188. doi: 10.1039/c4mt90049a
- Ceko, M. J., Hummitzsch, K., Hatzirodos, N., Bonner, W. M., Aitken, J. B., Russell, D. L., . . . Harris, H. H. (2015). X-Ray fluorescence imaging and other analyses identify selenium and GPX1 as important in female reproductive function. [10.1039/c4mt00228h]. *Metallomics*, 7(1), 71-82. doi: 10.1039/c4mt00228h
- Ceko, M. J., Hummitzsch, K., Hatzirodos, N., Rodgers, R. J., & Harris, H. H. (2015). Quantitative elemental analysis of bovine ovarian follicles using X-ray fluorescence imaging. [10.1039/c5mt00035a]. *Metallomics*, 7(5), 828-836. doi: 10.1039/c5mt00035a
- Chen, G. F., Su, Y. Z., Kuang, P. Y., Liu, Z. Q., Chen, D. Y., Wu, X., . . . Qiao, S. Z. (2015). Polypyrrole shell@3D-Ni metal core structured electrodes for high-performance supercapacitors. [10.1002/chem.201405976]. *Chemistry - A European Journal*, 21(12), 4614-4621. doi: 10.1002/chem.201405976
- Chen, M., Shi, P., & Lim, C. C. (2015). Robust constrained control for MIMO nonlinear systems based on disturbance observer. [10.1109/TAC.2015.2450891]. *IEEE Transactions on Automatic Control*, 60(12), 3281-3286. doi: 10.1109/TAC.2015.2450891
- Chen, M. J., Stokes, Y. M., Buchak, P., Crowd, D. G., & Ebendorff-Heidepriem, H. (2015). Microstructured optical fibre drawing with active channel pressurisation. [10.1017/jfm.2015.570]. *Journal of Fluid Mechanics*, 783, 137-165. doi: 10.1017/jfm.2015.570
- Chen, S., Duan, J., Bian, P., Tang, Y., Zheng, R., & Qiao, S. Z. (2015). Three-dimensional smart catalyst electrode for oxygen evolution reaction. [10.1002/aenm.201500936]. *Advanced Energy Materials*, 5(18), 1-7. doi:

- 10.1002/aenm.201500936
- Chen, S., Duan, J., Ran, J., & Qiao, S. Z. (2015). Paper-based N-doped carbon films for enhanced oxygen evolution electrocatalysis. [10.1002/advs.201400015]. *Advanced Science*, 2(1-2), 1400015-1400011-1400015-1400015. doi: 10.1002/advs.201400015
- Chen, S., Duan, J., Tang, Y., Jin, B., & Zhang Qiao, S. (2015). Molybdenum sulfide clusters-nitrogen-doped graphene hybrid hydrogel film as an efficient three-dimensional hydrogen evolution electrocatalyst. [10.1016/j.nanoen.2014.09.022]. *Nano Energy*, 11(C), 11-18. doi: 10.1016/j.nanoen.2014.09.022
- Chen, S., Liu, G., Yadegari, H., Wang, H., & Qiao, S. Z. (2015). Three-dimensional MnO₂ ultrathin nanosheet aerogels for high-performance Li-O₂ batteries. [10.1039/c5ta00004a]. *Journal of Materials Chemistry A*, 3(6), 2559-2563. doi: 10.1039/c5ta00004a
- Chen, X. M., Mao, J., Zhou, Y. Z., Yang, J., Du, X. W., & Qiao, S. Z. (2015). Laser-driven absorption/desorption of catalysts for producing nanowire arrays in solution. [10.1039/c5ta09325b]. *Journal of Materials Chemistry A*, 4(2), 379-383. doi: 10.1039/c5ta09325b
- Chen, Y., Santos, A., Ho, D., Wang, Y., Kumeria, T., Li, J., . . . Lasic, D. (2015). On the generation of interferometric colors in high purity and technical grade aluminum: an alternative green process for metal finishing industry. [10.1016/j.electacta.2015.06.066]. *Electrochimica Acta*, 174(C), 672-681. doi: 10.1016/j.electacta.2015.06.066
- Chen, Y., Santos, A., Wang, Y., Kumeria, T., Ho, D., Li, J., . . . Lasic, D. (2015). Rational design of photonic dust from nanoporous anodic alumina films: a versatile photonic nanotool for visual sensing. [10.1038/srep12893]. *Scientific Reports*, 5(ARTN 12893), 12893-12891-12893-12812. doi: 10.1038/srep12893
- Chen, Y., Santos, A., Wang, Y., Kumeria, T., Li, J., Wang, C., & Lasic, D. (2015). Biomimetic Nanoporous Anodic Alumina Distributed Bragg Reflectors in the Form of Films and Microsized Particles for Sensing Applications. [10.1021/acsmami.5b05904]. *ACS Applied Materials and Interfaces*, 7(35), 19816-19824. doi: 10.1021/acsmami.5b05904
- Chen, Y., Santos, A., Wang, Y., Kumeria, T., Wang, C., Li, J., & Lasic, D. (2015). Interferometric nanoporous anodic alumina photonic coatings for optical sensing. [10.1039/c5nr00369e]. *Nanoscale*, 7(17), 7770-7779. doi: 10.1039/c5nr00369e
- Chen, Y., Zhou, F., Liu, X., & Chen, Y., Zhou, J., & Hu, E. (2015). High power factor light-emitting diode driver on digital signal processor without electrolytic capacitor for high-power lighting. [10.1080/15325008.2014.966177]. *Electric Power Components and Systems*, 43(1), 83-94. doi: 10.1080/15325008.2014.966177
- Cheong, M., Birzer, C., & Lau, T. (2015). Laser Attenuation Correction for Planar Nephelometry Concentration Measurements. [10.1111/ext.12167]. *Experimental Techniques*, n/a-n/a. doi: 10.1111/ext.12167
- Chinnici, A., Arjomandi, M., Tian, Z. F., Lu, Z., & Nathan, G. J. (2015). A novel solar expanding-vortex particle reactor: influence of vortex structure on particle residence times and trajectories. [10.1016/j.solener.2015.08.017]. *Solar Energy*, 122(C), 58-75. doi: 10.1016/j.solener.2015.08.017
- Chojnacki, W., Szpak, Z. L., Brooks, M. J., & van Den Hu, E. (2015). Online adaptive parameter identification of PMSM based on the dead-time compensation. [10.1080/00207217.2014.966334]. *International Journal of Electronics*, 102(7), 1132-1150. doi: 10.1080/00207217.2014.966334

- Hengel, A. (2015). Enforcing consistency constraints in uncalibrated multiple homography estimation using latent variables. [10.1007/s00138-015-0660-7]. *Machine Vision and Applications*, 26(2-3), 401-422. doi: 10.1007/s00138-015-0660-7
- Chok, Y. H., Jaksa, M. B., Griffiths, D. V., Fenton, G. A., & Kaggwa, W. S. (2015). Probabilistic analysis of a spatially variable $c' - \varphi'$ slope. *Australian Geomechanics Journal*, 50(2), 17-27.
- Chok, Y. H., Jaksa, M. B., Kaggwa, W. S., & Griffiths, D. V. (2015). Assessing the influence of root reinforcement on slope stability by finite elements. [10.1186/s40703-015-0012-5]. *International Journal of Geo-Engineering*, 6(1), 12-11-12-13. doi: 10.1186/s40703-015-0012-5
- Chong, M. N., Cho, Y. J., Poh, P. E., & Jin, B. (2015). Evaluation of Titanium dioxide photocatalytic technology for the treatment of reactive Black 5 dye in synthetic and real greywater effluents. [10.1016/j.jclepro.2014.11.014]. *Journal of Cleaner Production*, 89(C), 196-202. doi: 10.1016/j.jclepro.2014.11.014
- Chong, M. N., Tneu, Z. Y., Poh, P. E., Jin, B., & Aryal, R. (2015). Synthesis, characterisation and application of TiO_2 -zeolite nanocomposites for the advanced treatment of industrial dye wastewater. [10.1016/j.jtice.2014.12.013]. *Journal of the Taiwan Institute of Chemical Engineers*, 50(C), 288-296. doi: 10.1016/j.jtice.2014.12.013
- Choudhry, A., Arjomandi, M., & Kelso, R. (2015). A study of long separation bubble on thick airfoils and its consequent effects. [10.1016/j.ijheatfluidflow.2014.12.001]. *International Journal of Heat and Fluid Flow*, 52(C), 84-96. doi: 10.1016/j.ijheatfluidflow.2014.12.001
- Clark, C., Healy, D., Johnson, T., Collins, A. S., Taylor, R. J., Santosh, M., & Timms, N. E. (2015). Hot orogens and supercontinent amalgamation: a Gondwanan example from southern India. [10.1016/j.gr.2014.11.005]. *Gondwana Research*, 28(4), 1310-1328. doi: 10.1016/j.gr.2014.11.005
- Collaboration, L. S., Aasi, J., Abbott, B. P., Abbott, R., Abbott, T., Abernathy, M. R., . . . Zweizig, J. (2015). Advanced LIGO. [10.1088/0264-9381/32/7/074001]. *Classical and Quantum Gravity*, 32(7), 074001-074001-074001-074041. doi: 10.1088/0264-9381/32/7/074001
- Collaboration, T. L. I. G. O. S., Collaboration, T. V., Abbott, B. P., Abbott, R., Abbott, T. D., Abernathy, M. R., . . . Zweizig, J. The Rate of Binary Black Hole Mergers Inferred from Advanced LIGO Observations Surrounding GW150914.
- from the Vela pulsar. [10.1088/0004-637X/737/2/93]. *Astrophys.J.*, 737, 93. doi: 10.1088/0004-637X/737/2/93
- Collaboration, T. L. I. G. O. S., Collaboration, T. V., Abbott, B. P., Abbott, R., Abbott, T. D., Abernathy, M. R., . . . Zweizig, J. The basic physics of the binary black hole merger GW150914.
- Collaboration, T. L. I. G. O. S., Collaboration, T. V., Abbott, B. P., Abbott, R., Abbott, T. D., Abernathy, M. R., . . . Zweizig, J. Binary Black Hole Mergers in the first Advanced LIGO Observing Run.
- Collaboration, T. L. I. G. O. S., Collaboration, T. V., Abbott, B. P., Abbott, R., Abbott, T. D., Abernathy, M. R., . . . Zlochower, Y. Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence.
- Collaboration, T. L. I. G. O. S., Collaboration, T. V., Abbott, B. P., Abbott, R., Abbott, T. D., Abernathy, M. R., . . . Zweizig, J. An improved analysis of GW150914 using a fully spin-precessing waveform model.
- Collaboration, T. L. I. G. O. S., Collaboration, T. V., Abbott, B. P., Abbott, R., Abbott, T. D., Abernathy, M. R., . . . Zweizig, J. The Rate of Binary Black Hole Mergers Inferred from Advanced LIGO Observations Surrounding GW150914.

- Collaboration, T. L. I. G. O. S., Collaboration, T. V., Abbott, B. P., Abbott, R., Abbott, T. D., Abernathy, M. R., . . . Zweizig, J. Supplement: The Rate of Binary Black Hole Mergers Inferred from Advanced LIGO Observations Surrounding GW150914.
- Collaboration, T. L. I. G. O. S., Collaboration, T. V., Abbott, B. P., Abbott, R., Abbott, T. D., Abernathy, M. R., . . . Zweizig, J. Upper limits on the rates of binary neutron star and neutron-star--black-hole mergers from Advanced LIGO's first observing run.
- Collins, A. S., Patranabis-Deb, S., Alexander, E., Bertram, C. N., Falster, G. M., Gore, R. J., . . . Wade, B. P. (2015). Detrital mineral age, radiogenic isotopic stratigraphy and tectonic significance of the Cuddapah Basin, India. [10.1016/j.gr.2014.10.013]. *Gondwana Research*, 28(4), 1294-1309. doi: 10.1016/j.gr.2014.10.013
- Cook, N. J., Etschmann, B., Ciobanu, C. L., Geraki, K., Howard, D. L., Williams, T., . . . Brugger, J. (2015). Distribution and substitution mechanism of Ge in a Ge-(Fe)-bearing sphalerite. [10.3390/min5020117]. *Minerals*, 5(2), 117-132. doi: 10.3390/min5020117
- Cortés-Hernández, V. E., Zheng, F., Evans, J., Lambert, M., Sharma, A., & Westra, S. (2016). Evaluating regional climate models for simulating sub-daily rainfall extremes. [10.1007/s00382-015-2923-4]. *Climate Dynamics*, 47(5-6), 1613-1628. doi: 10.1007/s00382-015-2923-4
- Counts, J. W., & Amos, K. J. (2015). Sedimentology, depositional environments and significance of an Ediacaran salt-withdrawal minibasin, Billy Springs Formation, Flinders Ranges, South Australia. [10.1111/sed.12250]. *Sedimentology, Online Publ*, 1-80. doi: 10.1111/sed.12250
- Craw, D., Kerr, G., Reith, F., & Falconer, D. (2015). Pleistocene paleodrainage and placer gold redistribution, western Southland, New Zealand. [10.1080/00288306.2015.1007462]. *New Zealand Journal of Geology and Geophysics*, 58(2), 137-153. doi: 10.1080/00288306.2015.1007462
- Cui, X., Bi, J., Dai, S., & Ye, H. (2015). Single-cell analysis for bioprocessing. [10.1002/elsc.201400155]. *Engineering in Life Sciences*, 15(6), 582-592. doi: 10.1002/elsc.201400155
- Dai, X., Liang, J., Ma, D., Zhang, X., Zhao, H., Zhao, B., . . . Qiao, S. (2015). Large-pore mesoporous RuNi-doped $TiO_2-Al_2O_3$ nanocomposites for highly efficient selective CO methanation in hydrogen-rich reformate gases. [10.1016/j.apcatb.2014.10.069]. *Applied Catalysis B: Environmental*, 165(C), 752-762. doi: 10.1016/j.apcatb.2014.10.069
- Davey, S. J., Vu, H. X., Arulampalam, M. S., Fletcher, F., & Lim, C. C. (2015). Histogram probabilistic multi-hypothesis tracker with colour attributes. [10.1049/iet-rsn.2014.0406]. *IET Radar, Sonar & Navigation*, 9(8), 999-1008. doi: 10.1049/iet-rsn.2014.0406
- De Pelsmaeker, E., Glorie, S., Buslov, M. M., Zhimulev, F. I., Poujol, M., Korobkin, V. V., . . . De Grave, J. (2015). Late-Paleozoic emplacement and Meso-Cenozoic reactivation of the southern Kazakhstan granitoid basement. [10.1016/j.tecto.2015.06.014]. *Tectonophysics*, 662(C), 416-433. doi: 10.1016/j.tecto.2015.06.014
- Deng, A., & Zhou, Y. (2015). Modeling Electroosmosis and Surcharge Preloading Consolidation I: Model formulation. [10.1061/(ASCE)GT.1943-5606.0001417]. *Journal of Geotechnical and Geoenvironmental Engineering*, 142(4). doi: 10.1061/(ASCE)GT.1943-5606.0001417
- Derakhshan, H., Griffith, M., & Ingham, J. (2015). Out-of-plane seismic response of vertically spanning URM connected to flexible diaphragms. [10.1002/eqe.2671]. *Earthquake Engineering and Structural Dynamics*, 45(4), 9

- 563-580. doi:
10.1002/eqe.2671
- Didana, Y. L., Thiel, S., & Heinsohn, G. (2015). Three dimensional conductivity model of the Tendaho High Enthalpy Geothermal Field, NE Ethiopia. [10.1016/j.jvolgeores.2014.11.013]. *Journal of Volcanology and Geothermal Research*, 290(C), 53-62. doi: 10.1016/j.jvolgeores.2014.11.013
- Dizhur, D., Bailey, S., Griffith, M., & Ingham, J. (2015). Earthquake performance of two vintage URM buildings retrofitted using surface bonded GFRP: Case study. [10.1061/(ASCE)CC.1943-5614.0000561]. *Journal of Composites for Construction*, 19(5), 05015001-05015001. doi: 10.1061/(ASCE)CC.1943-5614.0000561
- Dong, X., Griffith, M., & Soebarto, V. I. (2015). Feasibility of rammed earth constructions for seismic loads in Australia. [10.1080/13287982.2015.1092685]. *Australian Journal of Structural Engineering*, 16(4), 262-272. doi: 10.1080/13287982.2015.1092685
- Dong, X., Nathan, G. J., Mahmoud, S., Ashman, P. J., Gu, D., & Dally, B. B. (2015). Global characteristics of non-premixed jet flames of hydrogen-hydrocarbon blended fuels. [10.1016/j.combustflame.2014.11.001]. *Combustion and Flame*, 162(4), 1326-1335. doi:10.1016/j.combustflame.2014.11.001
- Dong, X., Nathan, G. J., Sun, Z., Gu, D., & Ashman, P. J. (2015). Concentric multilayer model of the arc in high intensity discharge lamps for solar simulators with experimental validation. [10.1016/j.solener.2015.09.04]. *Solar Energy*, 122(C), 293-306. doi: 10.1016/j.solener.2015.09.004
- Dong, X., Soebarto, V., & Griffith, M. (2015). Design optimization of insulated cavity rammed earth walls for houses in Australia. [10.1016/j.enbuild.2014.11.014]. *Energy and Buildings*, 86(C), 852-863. doi: 10.1016/j.enbuild.2014.11.014
- Dong, X., Sun, Z., Nathan, G. J., Ashman, P. J., & Gu, D. (2015). Time-resolved spectra of solar simulators employing metal halide and xenon arc lamps. [10.1016/j.solener.2015.03.017]. *Solar Energy*, 115(C), 613-620. doi: 10.1016/j.solener.2015.03.017
- Doonan, C. J., Gourlay, C., Nielsen, D. J., Ng, V. W. L., Smith, P. D., Evans, D. J., . . . Young, C. G. (2015). d¹ oxosulfido-Mo(V) compounds: first isolation and unambiguous characterization of an extended series. [10.1021/acs.inorgchem.5b00708]. *Inorganic Chemistry*, 54(13), 6386-6396. doi: 10.1021/acs.inorgchem.5b00708
- Dowd, P. A., Pardo-Igúzquiza, E., & Egozcue, J. J. (2015). The total bootstrap median: a robust and efficient estimator of location and scale for small samples. [10.1080/02664763.2014.999650]. *Journal of Applied Statistics*, 42(6), 1306-1321. doi: 10.1080/02664763.2014.999650
- Du, X., Xiong, L., Dai, S., & Qiao, S. Z. (2015). γ-PGA-coated mesoporous silica nanoparticles with covalently attached prodrugs for enhanced cellular uptake and intracellular GSH-responsive release. [10.1002/adhm.201400726]. *Advanced Healthcare Materials*, 4(5), 771-781. doi: 10.1002/adhm.201400726
- Du, X., & Zhang Qiao, S. (2015). Dendritic silica particles with center-radial pore channels: promising platforms for catalysis and biomedical applications. [10.1002/smll.201401201]. *Small*, 11(4), 392-413. doi: 10.1002/smll.201401201
- Du, Y., Kopittke, P. M., Noller, B. N., James, S. A., Harris, H. H., Xu, Z. P., . . . Huang, L. (2015). In situ analysis of foliar zinc absorption and short-distance movement in fresh and hydrated leaves of tomato and citrus using synchrotron-based X-ray fluorescence microscopy. [10.1093/aob/mcu212]. *Annals of Botany*, 115(1), 41-53. doi: 10.1093/aob/mcu212
- Duan, J., Chen, S.,

- Chambers, B. A., Andersson, G. G., & Qiao, S. Z. (2015). 3D WS₂ nanolayers@heteroatom-doped graphene films as hydrogen evolution catalyst electrodes. [10.1002/adma.201501692]. *Advanced Materials*, 27(28), 4234-4241. doi: 10.1002/adma.201501692
- Duan, J., Chen, S., Jaroniec, M., & Qiao, S. Z. (2015). Heteroatom-doped graphene-based materials for energy-relevant electrocatalytic processes. [10.1021/acscatal.5b00991]. *ACS Catalysis*, 5(9), 5207-5234. doi: 10.1021/acscatal.5b00991
- Duan, J., Chen, S., Jaroniec, M., & Qiao, S. Z. (2015). Porous C₃N₄ nanolayers@n-graphene films as catalyst electrodes for highly efficient hydrogen evolution. [10.1021/nn506701x]. *ACS Nano*, 9(1), 931-940. doi: 10.1021/nn506701x
- Dutta, N. C., Bradford, K. J., Bui, H., Tutuncu, A., Liaw, A., Amruthapuri, G., . . . Tingay, M. (2015). Introduction to special section: Abnormal pore pressure. [10.1190/INT2014-1214-SPSEINTRO.1]. *Interpretation*, 3(1), SEi. doi: 10.1190/INT2014-1214-SPSEINTRO.1
- Eboibi, B. E., Lewis, D. M., Ashman, P. J., & Chinnasamy, S. (2015). Influence of process conditions on pretreatment of microalgae for protein extraction and production of biocrude during hydrothermal liquefaction of pretreated *Tetraselmis* sp. [10.1039/c4ra11662c]. *RSC Advances*, 5(26), 20193-20207. doi: 10.1039/c4ra11662c
- Eboibi, B. E., Lewis, D. M., Ashman, P. J., & Chinnasamy, S. (2015). Integrating anaerobic digestion and hydrothermal liquefaction for renewable energy production: an experimental investigation. [10.1002/ep.12172]. *Environmental Progress and Sustainable Energy*, 34(6), 1662-1673. doi: 10.1002/ep.12172
- Emes, M. J., Arjomandi, M., & Nathan, G. J. (2015). Effect of heliostat design wind speed on the levelised cost of electricity from concentrating solar thermal power tower plants. [10.1016/j.solener.2015.02.047]. *Solar Energy*, 115(C), 441-451. doi: 10.1016/j.solener.2015.02.047
- Erkelens, M., Ball, A. S., & Lewis, D. M. (2015). The application of activated carbon for the treatment and reuse of the aqueous phase derived from the hydrothermal liquefaction of a halophytic *Tetraselmis* sp. [10.1016/j.biortech.2015.01.129]. *Bioresource Technology*, 182(C), 378-382. doi: 10.1016/j.biortech.2015.01.129
- Ertasgin, G., Soong, W. L., & Ertugrul, N. (2015). Performance analysis of a low-cost current-source 1-ph grid-connected PV inverter. [10.3906/elk-1404-294]. *TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES*, 23(6), 1981-1995. doi: 10.3906/elk-1404-294
- Ertugrul, N., Hasegawa, R., Soong, W. L., Gayler, J., Kloeden, S., & Kahourzade, S. (2015). A novel tapered rotating electrical machine topology utilizing cut amorphous magnetic material. [10.1109/TMAG.2015.2399867]. *IEEE Transactions on Magnetics*, 51(7). doi: 10.1109/TMAG.2015.2399867
- Evans, J. D., Huang, D. M., Hill, M. R., Sumby, C. J., Sholl, D. S., Thornton, A. W., & Doonan, C. J. (2015). Molecular design of amorphous porous organic cages for enhanced gas storage. [10.1021/jp512944r]. *Journal of Physical Chemistry C*, 119(14), 7746-7754. doi: 10.1021/jp512944r
- Evans, J. D., Sumby, C. J., & Doonan, C. J. (2015). Synthesis and applications of porous organic cages. [10.1246/cl.150021]. *Chemistry Letters*, 44(5), 582-588. doi: 10.1246/cl.150021
- Evans, M. J., Medwell, P. R., & Tian, Z. F. (2015). Modeling lifted jet flames in a heated coflow using an optimized Eddy dissipation concept model. [10.1080/00102202.2014.100

- 2836]. *Combustion Science and Technology*, 187(7), 1093-1109. doi: 10.1080/00102202.2014.1002836
- Farrokhi Derakhshandeh, J., Arjomandi, M., Cazzolato, B. S., & Dally, B. (2015). Harnessing hydro-kinetic energy from wake-induced vibration using virtual mass spring damper system. [10.1016/j.oceaneng.2015.08.003]. *Ocean Engineering*, 108(C), 115-128. doi: 10.1016/j.oceaneng.2015.08.003
- Foden, J., Sossi, P. A., & Wawryk, C. M. (2015). Fe isotopes and the contrasting petrogenesis of A-, I- and S-type granite. [10.1016/j.lithos.2014.10.015]. *Lithos*, 212-215(C), 32-44. doi: 10.1016/j.lithos.2014.10.015
- Forbes, C., Giles, D., Freeman, H., Sawyer, M., & Normington, V. (2015). Glacial dispersion of hydrothermal monazite in the Prominent Hill deposit: An exploration tool. [10.1016/j.gexplo.2015.04.011]. *Journal of Geochemical Exploration*, 156(C), 10-33. doi: 10.1016/j.gexplo.2015.04.011
- Fosu, S., Pring, A., Skinner, W., & Zanin, M. (2015). Characterisation of coarse composite sphalerite particles with respect to flotation. [10.1016/j.mineng.2014.08.023]. *Minerals Engineering*, 71(C), 105-112. doi: 10.1016/j.mineng.2014.08.023
- Friedrich, T., & Neumann, F. (2015). Maximizing submodular functions under matroid constraints by evolutionary algorithms. [10.1162/EVCO_a_00159]. *Evolutionary Computation*, 23(4), 543-558. doi: 10.1162/EVCO_a_00159
- Friedrich, T., Neumann, F., & Thyssen, C. (2015). Multiplicative approximations, optimal hypervolume distributions, and the choice of the reference point. [10.1162/EVCO_a_00126]. *Evolutionary Computation*, 23(1), 131-159. doi: 10.1162/EVCO_a_00126
- George, L., Cook, N. J., Cristiana, C., & Wade, B. P. (2015). Trace and minor elements in galena: a reconnaissance LA-ICP-MS study. [10.2138/am-2015-4862]. *American Mineralogist*, 100(2-3), 548-569. doi: 10.2138/am-2015-4862
- Ghanadi, F., Arjomandi, M., Cazzolato, B. S., & Zander, A. C. (2015). Analysis of the turbulent boundary layer in the vicinity of a self-excited cylindrical Helmholtz resonator. [10.1080/14685248.2015.1024839]. *Journal of Turbulence*, 16(8), 705-728. doi: 10.1080/14685248.2015.1024839
- Gillespie, J., Glorie, S., Xiao, W., Zhang, Z., Collins, A. S., Evans, N., . . . De Grave, J. (2015). Mesozoic reactivation of the Beishan, southern Central Asian Orogenic Belt: Insights from low-temperature thermochronology. [10.1016/j.gr.2015.10.004]. *Gondwana Research*. doi: 10.1016/j.gr.2015.10.004
- Ginman, E., Prider, J., Matthews, J., Virtue, J., & Watling, J. (2015). Sheep as vectors for branched broomrape (*Orobanche ramosa* subsp. *mutelii* [F.W. Schultz] Cout.) seed dispersal. [10.1111/wbm.12065]. *Weed Biology and Management*, 15(2), 61-69. doi: 10.1111/wbm.12065
- Glorie, S., Zhimulev, F. I., Buslov, M. M., Andersen, T., Plavsa, D., Izmer, A., . . . De Grave, J. (2015). Formation of the Kokchetav subduction-collision zone (northern Kazakhstan): Insights from zircon U-Pb and Lu-Hf isotope systematics. [10.1016/j.gr.2013.10.012]. *Gondwana Research*, 27(1), 424-438. doi: 10.1016/j.gr.2013.10.012
- Gong, J., Lambert, M., Simpson, A., & Zecchin, A. (2015). Closure to "single-event leak detection in pipeline using first three resonant responses" by Jinzhe Gong, Martin F. Lambert, Angus R. Simpson, and Aaron C. Zecchin. [10.1061/(ASCE)HY.1943-7900.0000720]. *Journal of Hydraulic Engineering*, 141(2), 07014020-07014020. doi: 10.1061/(ASCE)HY.1943-7900.0000720
- Gong, J., Stephens, M. L., Arbon, N. S., Zecchin, A. C.,

- Lambert, M. F., & Simpson, A. R. (2015). On-site non-invasive condition assessment for cement mortar-lined metallic pipelines by time-domain fluid transient analysis. [10.1177/1475921715591875]. *Structural Health Monitoring*, 14(5), 426-438. doi: 10.1177/1475921715591875
- Gu, D. H., Sun, Z. W., Medwell, P. R., Alwahabi, Z. T., Dally, B. B., & Nathan, G. J. (2015). Mechanism for laser-induced fluorescence signal generation in a nanoparticle-seeded flow for planar flame thermometry. [10.1007/s00340-014-5972-1]. *Applied Physics B-Lasers and Optics*, 118(2), 209-218. doi: 10.1007/s00340-014-5972-1
- Guangcheng, Z., Huiming, T., Xin, X., Karakus, M., & Jiangpeng, W. (2015). Theoretical study of rockfall impacts based on logistic curves. [10.1016/j.ijrmms.2015.06.001]. *International Journal of Rock Mechanics and Mining Sciences*, 78(C), 133-143. doi: 10.1016/j.ijrmms.2015.06.001
- Gulati, K., Kant, K., Findlay, D., & Losic, D. (2015). Periodically tailored titania nanotubes for enhanced drug loading and releasing performances. [10.1039/c4tb01882f]. *Journal of Materials Chemistry B*, 3(12), 2553-2559. doi: 10.1039/c4tb01882f
- Gulati, K., Santos, A., Findlay, D., & Losic, D. (2015). Optimizing anodization conditions for the growth of titania nanotubes on curved surfaces. [10.1021/acs.jpcc.5b03383]. *Journal of Physical Chemistry C*, 119(28), 16033-16045. doi: 10.1021/acs.jpcc.5b03383
- Guo, P., Van Eyk, P. J., Saw, W. L., Ashman, P. J., Nathan, G. J., & Stechel, E. B. (2015). Performance assessment of Fischer-Tropsch liquid fuels production by solar hybridized dual fluidized bed gasification of lignite. [10.1021/acs.energyfuels.5b00007]. *Energy & Fuels*, 29(4), 2738-2751. doi: 10.1021/acs.energyfuels.5b00007
- Gutiérrez-Alonso, G., Collins, A. S., Fernández-Suárez, J., Pastor-Galán, D., González-Clavijo, E., Jourdan, F., . . . Johnston, S. T. (2015). Dating of lithospheric buckling: $^{40}\text{Ar}/^{39}\text{Ar}$ ages of syn-orocline strike-slip shear zones in northwestern Iberia. [10.1016/j.tecto.2014.12.009]. *Tectonophysics*, 643(C), 44-54. doi: 10.1016/j.tecto.2014.12.009
- Han, L. L., Kulinich, S. A., Zhang, Y. Y., Zou, J., Liu, H., Wang, W. H., . . . Du, X. W. (2015). Synergistic synthesis of quasi-monocrystal CdS nanoboxes with high-energy facets. [10.1039/c5ta05472a]. *Journal of Materials Chemistry A*, 3(46), 23106-23112. doi: 10.1039/c5ta05472a
- Han, W., Yu, Y., Fang, L., Johnston, M. R., Qiao, S. Z., & Tang, Y. (2015). Functionalised silica/epoxy nanocomposites with enhanced fracture toughness for large-scale applications. [10.1177/0021998314534867]. *Journal of Composite Materials*, 49(12), 1439-1447. doi: 10.1177/0021998314534867
- Hansberry, R. L., Collins, A. S., King, R. C., Morley, C. K., Gize, A. P., Warren, J., . . . Hall, P. A. (2015). Syn-deformation temperature and fossil fluid pathways along an exhumed detachment zone, khao khwang fold-thrust belt, Thailand. [10.1016/j.tecto.2015.05.012]. *Tectonophysics*, 655(C), 73-87. doi: 10.1016/j.tecto.2015.05.012
- Hansen, K. L., Hansen, C. H., & Zajamšek, B. (2015). Outdoor to indoor reduction of wind farm noise for rural residences. [10.1016/j.buildenv.2015.06.017]. *Building and Environment*, 94(2), 764-772. doi: 10.1016/j.buildenv.2015.06.017
- Harada, T., McTernan, H. L., Pham, D. T., Lincoln, S. F., & Kee, T. W. (2015). Femtosecond transient absorption spectroscopy of the medicinal agent curcumin in diamide linked γ -cyclodextrin dimers. [10.1021/jp507272f]. *The journal of physical chemistry B*, 119(6), 2425-2433. doi: 10.1021/jp507272f
- Hartanto, Y., Yun, S., Jin, B., & Dai, S. (2015).

- Functionalized thermo-responsive microgels for high performance forward osmosis desalination.
[10.1016/j.watres.2014.12.023]. *Water Research*, 70(C), 385-393. doi: 10.1016/j.watres.2014.12.023
- Hashemi, S. S., Melkoumian, N., & Taheri, A. (2015). A borehole stability study by newly designed laboratory tests on thick-walled hollow cylinders.
[10.1016/j.jrmge.2015.06.005]. *Journal of Rock Mechanics and Geotechnical Engineering*, 7(5), 519-531. doi: 10.1016/j.jrmge.2015.06.005
- Hashemi, S. S., Melkoumian, N., Taheri, A., & Jaksa, M. (2015). The failure behaviour of poorly cemented sands at a borehole wall using laboratory tests.
[10.1016/j.ijrmms.2015.03.037]. *International Journal of Rock Mechanics and Mining Sciences*, 77(C), 348-357. doi: 10.1016/j.ijrmms.2015.03.037
- Hashemi, S. S., Taheri, A., & Melkoumian, N. (2015). An experimental study on the relationship between localised zones and borehole instability in poorly cemented sands.
[10.1016/j.petrol.2015.08.009]. *Journal of Petroleum Science and Engineering*, 135(C), 101-117. doi: 10.1016/j.petrol.2015.08.009
- He, X., & Xu, C. (2015). Discrete element modelling of rock cutting: from ductile to brittle transition.
- [10.1002/nag.2362]. *International Journal for Numerical and Analytical Methods in Geomechanics*, 39(12), 1331-1351. doi: 10.1002/nag.2362
- He, Z., Kotousov, A., & Berto, F. (2015). Effect of vertex singularities on stress intensities near plate free surfaces.
[10.1111/ffe.12294]. *Fatigue & Fracture of Engineering Materials & Structures*, 38(7), 860-869. doi: 10.1111/ffe.12294
- Henderson, B. J., Collins, W. J., Murphy, J. B., Gutierrez-Alonso, G., & Hand, M. (2015). Gondwanan basement terranes of the Variscan-Appalachian orogen: Baltic, Saharan and West African hafnium isotopic fingerprints in Avalonia, Iberia and the Armorican Terranes.
[10.1016/j.tecto.2015.11.020]. *Tectonophysics*, Online(C), 1-27. doi: 10.1016/j.tecto.2015.11.020
- Higgs, K. E., Haese, R. R., Golding, S. D., Schacht, U., & Watson, M. N. (2015). The Pretty Hill Formation as a natural analogue for CO₂ storage: an investigation of mineralogical and isotopic changes associated with sandstones exposed to low, intermediate and high CO₂ concentrations over geological time.
[10.1016/j.chemgeo.2014.10.019]. *Chemical Geology*, 399, 36-64. doi: 10.1016/j.chemgeo.2014.10.019
- Hill, K. E., Guerin, G. R., Hill, R. S., & Watling, J. R. (2015). Temperature influences stomatal density and maximum potential water loss through stomata of Dodonea viscosa subsp. angustissima along a latitude gradient in southern Australia.
[10.1071/BT14204]. *Australian Journal of Botany*, 62(8), 657-665. doi: 10.1071/BT14204
- Holford, S. P., Tassone, D. R., Stoker, M. S., & Hillis, R. R. (2015). Contemporary stress orientations in the Faroe-Shetland region.
[10.1144/jgs2015-048]. *Journal of the Geological Society*, 173(1), 142-152. doi: 10.1144/jgs2015-048
- Hongrapipat, J., Saw, W. L., & Pang, S. (2015). Co-gasification of blended lignite and wood pellets in a dual fluidized bed steam gasifier: The influence of lignite to fuel ratio on NH₃ and H₂S concentrations in the producer gas.
[10.1016/j.fuel.2014.09.030]. *Fuel*, 139(C), 494-501. doi: 10.1016/j.fuel.2014.09.030
- Hope, G. S., & Nanson, R. A. (2015). Peatland carbon stores and fluxes in the Snowy Mountains, New South Wales, Australia. *Mires and Peat*, 15(11), 1-23.
- Horner, K. N., Schacht, U., & Haese, R. R. (2015). Characterizing long-term CO₂-water-rock reaction pathways to identify tracers of CO₂ migration during geological storage in a low-

- salinity, siliciclastic reservoir system.
[10.1016/j.chemgeo.2014.09.021]. *Chemical Geology*, 399(C), 123-133. doi: 10.1016/j.chemgeo.2014.09.021
- Howard, H. M., Smithies, R. H., Kirkland, C. L., Kelsey, D. E., Aitken, A., Wingate, M. T. D., . . . Maier, W. D. (2015). The burning heart - the Proterozoic geology and geological evolution of the west Musgrave Region, central Australia.
[10.1016/j.gr.2014.09.001]. *Gondwana Research*, 27(1), 64-94. doi: 10.1016/j.gr.2014.09.001
- Howard, H. M., Smithies, R. H., Kirkland, C. L., Kelsey, D. E., Aitken, A., Wingate, M. T. D., . . . Maier, W. D. (2015). Corrigendum to The burning heart - The Proterozoic geology and geological evolution of the west Musgrave Region, central Australia [Gondwana Research, 27, 1, (2015), 64-94] DOI:
10.1016/j.gr.2014.09.001.
[10.1016/j.gr.2015.06.002]. *Gondwana Research*, 28(3), 1255. doi:
10.1016/j.gr.2015.06.002
- Howlett, D., Raimondo, T., & Hand, M. (2015). Evidence for 1808–1770 Ma bimodal magmatism, sedimentation, high-temperature deformation and metamorphism in the Aileron Province, Central Australia.
[10.1080/08120099.2015.1108364]. *Australian Journal of Earth Sciences*, 62(7), 831-852. doi:
- 10.1080/08120099.2015.1108364
- Hu, C., Liu, A. C. Y., Weyland, M., Madani, S. H., Pendleton, P., Rodríguez-Reinoso, F., . . . Biggs, M. J. (2015). A multi-method study of the transformation of the carbonaceous skeleton of a polymer-based nanoporous carbon along the activation pathway.
[10.1016/j.carbon.2014.12.051]. *Carbon*, 85(C), 119-134. doi:
10.1016/j.carbon.2014.12.051
- Hu, C., Sedghi, S., Silvestre-Albero, A., Andersson, G. G., Sharma, A., Pendleton, P., . . . Biggs, M. J. (2015). Raman spectroscopy study of the transformation of the carbonaceous skeleton of a polymer-based nanoporous carbon along the thermal annealing pathway.
[10.1016/j.carbon.2014.12.098]. *Carbon*, 85(C), 147-158. doi:
10.1016/j.carbon.2014.12.098
- Hu, C., Smillie, L. A., Liu, A. C. Y., Weyland, M., Hadi Madani, S., Pendleton, P., . . . Biggs, M. J. (2015). Erratum: A multi-method study of the transformation of the carbonaceous skeleton of a polymer-based nanoporous carbon along the activation pathway (Carbon (2015) 85 (119-134)).
[10.1016/j.carbon.2015.08.054]. *Carbon*, 95(C), 286. doi:
10.1016/j.carbon.2015.08.054
- Huang, A. C., Sefton, M. A.,
- Sumby, C. J., Tiekkink, E. R. T., & Taylor, D. K. (2015). Mechanistic studies on the autoxidation of α-guaiene: structural diversity of the sesquiterpenoid downstream products.
[10.1021/np500819f]. *Journal of Natural Products*, 78(1), 131-145. doi:
10.1021/np500819f
- Huang, H., Chen, L., & Hu, E. (2015). A neural network-based multi-zone modelling approach for predictive control system design in commercial buildings.
[10.1016/j.enbuild.2015.03.045]. *Energy and Buildings*, 97(C), 86-97. doi:
10.1016/j.enbuild.2015.03.045
- Huang, H., Chen, L., & Hu, E. (2015). A new model predictive control scheme for energy and cost savings in commercial buildings: an airport terminal building case study.
[10.1016/j.buildenv.2015.01.037]. *Building and Environment*, 89(C), 203-216. doi:
10.1016/j.buildenv.2015.01.037
- Huang, L., Sheikh, A. H., Ng, C. T., & Griffith, M. C. (2015). An efficient finite element model for buckling analysis of grid stiffened laminated composite plates.
[10.1016/j.compstruct.2014.11.039]. *Composite Structures*, 122(C), 41-50. doi:
10.1016/j.compstruct.2014.11.039
- Huynh, T., Harris, H. H.,

- Zhang, H., & Noller, B. N. (2015). Measurement of labile arsenic speciation in water and soil using diffusive gradients in thin films (DGT) and X-ray absorption near edge spectroscopy (XANES). [10.1071/EN14047]. *Environmental Chemistry*, 12(2), 102-111. doi: 10.1071/EN14047
- Jayasuriya, K. (2015). Constituting market citizenship: regulatory state, market making and higher education. [10.1007/s10734-015-9879-5]. *Higher Education*, 70(6), 973-985. doi: 10.1007/s10734-015-9879-5
- Jayasuriya, K. (2015). Regulatory regionalism, political projects, and state transformation in the Asia-Pacific. [10.1111/aspp.12224]. *Asian Politics & Policy*, 7(4), 517-529. doi: 10.1111/aspp.12224
- Jayasuriya, K., & Cannon, D. (2015). State transformation and resource politics: Australia and the regional political economy. [10.1080/09512748.2015.101211]. *Pacific Review*, 28(3), 391-410. doi: 10.1080/09512748.2015.101211
- Jiao, Y., Du, A., Smith, S. C., Zhu, Z., & Qiao, S. Z. (2015). H₂ purification by functionalized graphdiyne-role of nitrogen doping. [10.1039/c5ta01062d]. *Journal of Materials Chemistry A*, 3(13), 6767-6771. doi: 10.1039/c5ta01062d
- Jiao, Y., Zheng, Y., Jaroniec, M., & Qiao, S. Z. (2015). Design of electrocatalysts for oxygen- and hydrogen-involving energy conversion reactions. [10.1039/c4cs00470a]. *Chemical Society Reviews*, 44(8), 2060-2086. doi: 10.1039/c4cs00470a
- Jin, N., Jin, B., Zhu, N., Yuan, H., & Ruan, J. (2015). Disinhibition of excessive volatile fatty acids to improve the efficiency of autothermal thermophilic aerobic sludge digestion by chemical approach. [10.1016/j.biortech.2014.10.073]. *Bioresource Technology*, 175(C), 120-127. doi: 10.1016/j.biortech.2014.10.073
- Johnson, T. E., Clark, C., Taylor, R. J. M., Santosh, M., & Collins, A. S. (2015). Prograde and retrograde growth of monazite in migmatites: An example from the Nagercoil Block, southern India. [10.1016/j.gsf.2014.12.003]. *Geoscience Frontiers*, 6(3), 373-387. doi: 10.1016/j.gsf.2014.12.003
- Kabiri, S., Tran, D. N. H., Azari, S., & Losic, D. (2015). Graphene-diatom silica aerogels for efficient removal of mercury ions from water. [10.1021/acsami.5b01159]. *ACS Applied Materials and Interfaces*, 7(22), 11815-11823. doi: 10.1021/acsami.5b01159
- Kadir, M. A., Ramli, R., Kassim, N., Mansor, N., & Sumby, C. J. (2015). Synthesis, structural and spectroscopic studies of palladium(II) metallocycles containing ancillary blocking ligands and N,N'-2,6-Bis(3-pyridylmethyl)pyridine dicarboxamide. *Malaysian Journal of Analytical Sciences*, 19(3), 520-530.
- Kalantariasl, A., Farajzadeh, R., You, Z., & Bedrikovetsky, P. (2015). Nonuniform external filter cake in long injection wells. [10.1021/ie504936q]. *Industrial and Engineering Chemistry Research*, 54(11), 3051-3061. doi: 10.1021/ie504936q
- Kant, K., Yoo, J., Amos, S., Erkelens, M., Priest, C., Shapter, J. G., & Losic, D. (2015). Microbial cell lysis and nucleic acid extraction via nanofluidic channel. [10.1039/c5ra01336d]. *RSC Advances*, 5(30), 23886-23891. doi: 10.1039/c5ra01336d
- Kelsey, D. E., & Hand, M. (2015). On ultrahigh temperature crustal metamorphism: phase equilibria, trace element thermometry, bulk composition, heat sources, timescales and tectonic settings. [10.1016/j.gsf.2014.09.006]. *Geoscience Frontiers*, 6(3), 311-356. doi: 10.1016/j.gsf.2014.09.006
- Kelso, R. M., Choudhry, A., & Arjomandi, M. (2015). A study of long separation bubbles on thick airfoils and its consequent effects. [10.1016/j.ijheatfluidflow.2014

- .12.001]. *International Journal of Heat and Fluid Flow*, 52, 84-96. doi: 10.1016/j.ijheatfluidflow.2014.12.001
- Keshavarz, A., Badalyan, A., Carageorgos, T., Bedrikovetsky, P., & Johnson, R. (2015). Stimulation of coal seam permeability by micro-sized graded proppant placement using selective fluid properties. [10.1016/j.fuel.2014.12.054]. *Fuel*, 144(C), 228-236. doi: 10.1016/j.fuel.2014.12.054
- Khanna, A., & Kotousov, A. (2015). The stress field due to an interfacial edge dislocation in a multi-layered medium. [10.1016/j.ijisolstr.2015.06.030]. *International Journal of Solids and Structures*, 72(C), 1-10. doi: 10.1016/j.ijisolstr.2015.06.030
- Khodakov, D. A., Khodakova, A. S., Huang, D. M., Linacre, A., & Ellis, A. V. (2015). Protected DNA strand displacement for enhanced single nucleotide discrimination in double-stranded DNA. [10.1038/srep08721]. *Scientific Reports*, 5(ARTN 8721), 8721-8721-8728. doi: 10.1038/srep08721
- King, E., Levin, Y., Ottaway, D., & Veitch, P. (2015). Modeling thermoelastic distortion of optics using elastodynamic reciprocity. [10.1103/PhysRevD.92.022005]. *Physical Review D - Particles, Fields, Gravitation, and Cosmology*, 92(2), 022005-022005-022008. doi: 10.1103/PhysRevD.92.022005
- Kirkby, A., Heinsohn, G., Holford, S., & Thiel, S. (2015). Mapping fractures using 1D anisotropic modelling of magnetotelluric data: A case study from the Otway Basin, Victoria, Australia. [10.1093/gji/ggv116]. *Geophysical Journal International*, 201(3), 1961-1976. doi: 10.1093/gji/ggv116
- Kitchin, M., Konstas, K., Sumby, C. J., Czyz, M. L., Valente, P., Hill, M. R., . . . Doonan, C. J. (2015). Continuous flow synthesis of a carbon-based molecular cage macrocycle via a three-fold homocoupling reaction. [10.1039/c5cc05181a]. *Chemical Communications*, 51(75), 14231-14234. doi: 10.1039/c5cc05181a
- Kitchin, M., Teo, J., Konstas, K., Lau, C. H., Sumby, C. J., Thornton, A. W., . . . Hill, M. R. (2015). AIMs: a new strategy to control physical aging and gas transport in mixed-matrix membranes. [10.1039/c5ta02286j]. *Journal of Materials Chemistry A*, 3(29), 15241-15247. doi: 10.1039/c5ta02286j
- Klantsataya, E., François, A., Ebendorff-Heidepriem, H., Hoffmann, P., & Monro, T. M. (2015). Surface plasmon scattering in exposed core optical fiber for enhanced resolution refractive index sensing.
- [10.3390/s151025090]. *Sensors*, 15(10), 25090-25102. doi: 10.3390/s151025090
- Korhonen, F., Brown, M., Clark, C., Foden, J. D., & Taylor, R. (2015). Are granites and granulites consanguineous? [10.1130/G37164.1]. *Geology*, 43(11), 991-994. doi: 10.1130/G37164.1
- Kotousov, A., & Chang, D. (2015). Theoretical and experimental study of fatigue growth of interacting cracks. [10.1016/j.ijfatigue.2014.09.006]. *International Journal of Fatigue*, 70(C), 130-136. doi: 10.1016/j.ijfatigue.2014.09.006
- Kotousov, A., He, Z., & Fanciulli, A. (2015). Application of digital image correlation technique for investigation of the displacement and strain fields within a sharp notch. [10.1016/j.tafmec.2015.05.012]. *Theoretical and Applied Fracture Mechanics*, 79(C), 51-57. doi: 10.1016/j.tafmec.2015.05.012
- Krieger, L., & Grigoli, F. (2015). Optimal re-orientation of geophysical sensors: a quaternion-based analytical solution. [10.1190/GEO2014-0095.1]. *Geophysics*, 80(2), F19-F30. doi: 10.1190/GEO2014-0095.1
- Kuang, P. Y., Ran, J. R., Liu, Z. Q., Wang, H. J., Li, N., Su, Y. Z., . . . Qiao, S. Z. (2015). Enhanced photoelectrocatalytic activity of BiOI nanoplate-zinc oxide

- nanorod p-n heterojunction. [10.1002/chem.201501183]. *Chemistry - A European Journal*, 21(43), 15360-15368. doi: 10.1002/chem.201501183
- Kueh, K. C. Y., Nathan, G. J., & Saw, W. L. (2015). Storage capacities required for a solar thermal plant to avoid unscheduled reductions in output. [10.1016/j.solener.2015.04.040]. *Solar Energy*, 118(C), 209-221. doi: 10.1016/j.solener.2015.04.040
- Kumeria, T., Mon, H., Aw, M. S., Gulati, K., Santos, A., Giesser, H. J., & Losic, D. (2015). Advanced biopolymer-coated drug-releasing titania nanotubes (TNTs) implants with simultaneously enhanced osteoblast adhesion and antibacterial properties. [10.1016/j.colsurfb.2015.04.021]. *Colloids and Surfaces B: Biointerfaces*, 130(C), 255-263. doi: 10.1016/j.colsurfb.2015.04.021
- Kumeria, T., Yu, J., Alsawat, M., Kurkuri, M. D., Santos, A., Abell, A. D., & Losic, D. (2015). Membranes: photoswitchable membranes based on Peptide-modified nanoporous anodic alumina: toward smart membranes for on-demand molecular transport (adv. Mater. 19/2015). [10.1002/adma.201570127]. *Advanced materials (Deerfield Beach, Fla.)*, 27(19), 2950. doi: 10.1002/adma.201570127
- Kumeria, T., Yu, J., Alsawat, M., Kurkuri, M. D., Santos, A., Abell, A. D., & Losic, D. (2015). Photoswitchable membranes based on peptide-modified nanoporous anodic alumina: toward smart membranes for on-demand molecular transport. [10.1002/adma.201500473]. *Advanced Materials*, 27(19), 3019-3024. doi: 10.1002/adma.201500473
- Lane, D. J., Van Eyk, P. J., Ashman, P. J., Kwong, C. W., De Nys, R., Roberts, D. A., . . . Lewis, D. M. (2015). Release of Cl, S, P, K, and Na during thermal conversion of algal biomass. [10.1021/acs.energyfuels.5b00279]. *Energy and Fuels*, 29(4), 2542-2554. doi: 10.1021/acs.energyfuels.5b00279
- Lane, D. J., van Eyk, P. J., de Nys, R., Roberts, D. A., Cole, A. J., & Ashman, P. J. (2015). Mobilisation of trace elements during thermal conversion of algae cultivated in ash dam water. [10.1016/j.biombioe.2015.09.013]. *Biomass and Bioenergy*, 83(C), 183-195. doi: 10.1016/j.biombioe.2015.09.013
- Lane, K., Jagodzinski, E. A., Dutch, R., Reid, A. J., & Hand, M. (2015). Age constraints on the timing of iron ore mineralisation in the southeastern Gawler Craton. [10.1080/08120099.2015.993160]. *Australian Journal of Earth Sciences*, 62(1), 55-75. doi: 10.1080/08120099.2015.993160
- Law, C. S., Santos, A., Kumeria, T., & Losic, D. (2015). Engineered therapeutic-releasing nanoporous anodic alumina-aluminum wires with extended release of therapeutics. [10.1021/am5091963]. *ACS Applied Materials and Interfaces*, 7(6), 3846-3853. doi: 10.1021/am5091963
- Leung, M. H. M., Harada, T., Dai, S., & Kee, T. W. (2015). Nanoprecipitation and spectroscopic characterization of curcumin-encapsulated polyester nanoparticles. [10.1021/acs.langmuir.5b02773]. *Langmuir*, 31(42), 11419-11427. doi: 10.1021/acs.langmuir.5b02773
- Levina, A., McLeod, A. I., Gasparini, S. J., Nguyen, A., De Silva, W. G. M., Aitken, J. B., . . . Lay, P. A. (2015). Reactivity and speciation of anti-diabetic vanadium complexes in whole blood and its components: the important role of red blood cells. [10.1021/acs.inorgchem.5b00665]. *Inorganic Chemistry*, 54(16), 7753-7766. doi: 10.1021/acs.inorgchem.5b00665
- Li, B. B., Liang, Y. Q., Yang, X. J., Cui, Z. D., Qiao, S. Z., Zhu, S. L., . . . Yin, K. (2015). $\text{MoO}_2\text{-CoO}$ coupled with a macroporous carbon hybrid electrocatalyst for highly efficient oxygen evolution.

- [10.1039/c5nr04666a]. *Nanoscale*, 7(40), 16704-16714. doi: 10.1039/c5nr04666a
- Li, B. B., Qiao, S. Z., Zheng, X. R., Yang, X. J., Cui, Z. D., Zhu, S. L., . . . Liang, Y. Q. (2015). Pd coated MoS₂ nanoflowers for highly efficient hydrogen evolution reaction under irradiation. [10.1016/j.jpowsour.2015.03.021]. *Journal of Power Sources*, 284(C), 68-76. doi: 10.1016/j.jpowsour.2015.03.021
- Li, F., Shi, P., Wu, L., Basin, M. V., & Lim, C. C. (2015). Quantized control design for cognitive radio networks modeled as nonlinear semi-Markovian jump systems. [10.1109/TIE.2014.2351379]. *IEEE Transactions on Industrial Electronics*, 62(4), 2330-2340. doi: 10.1109/TIE.2014.2351379
- Li, F., Wu, L., Shi, P., & Lim, C. C. (2015). State estimation and sliding mode control for semi-Markovian jump systems with mismatched uncertainties. [10.1016/j.automatica.2014.10.065]. *Automatica*, 51(C), 385-393. doi: 10.1016/j.automatica.2014.10.065
- Li, F., Xing, Y., Huang, M., Li, K. L., Yu, T. T., Zhang, Y. X., & Losic, D. (2015). MnO₂ nanostructures with three-dimensional (3D) morphology replicated from diatoms for high-performance supercapacitors. [10.1039/c5ta00634a]. *Journal of Materials Chemistry A*, 3(15), 7855-7861. doi: 10.1039/c5ta00634a
- Li, F. T., Ran, J., Jaroniec, M., & Qiao, S. Z. (2015). Solution combustion synthesis of metal oxide nanomaterials for energy storage and conversion. [10.1039/c5nr05299h]. *Nanoscale*, 7(42), 17590-17610. doi: 10.1039/c5nr05299h
- Li, F. T., Wang, Q., Ran, J., Hao, Y. J., Wang, X. J., Zhao, D., & Qiao, S. Z. (2015). Ionic liquid self-combustion synthesis of BiOBr/Bi₂₄O₃₁Br₁₀ heterojunctions with exceptional visible-light photocatalytic performances. [10.1039/c4nr05451b]. *Nanoscale*, 7(3), 1116-1126. doi: 10.1039/c4nr05451b
- Li, H., Shen, C., Van Den Hengel, A., & Shi, Q. (2015). Worst case linear discriminant analysis as scalable semidefinite feasibility problems. [10.1109/TIP.2015.2401511]. *IEEE Transactions on Image Processing*, 24(8), 2382-2392. doi: 10.1109/TIP.2015.2401511
- Li, K., Pring, A., Etschmann, B., Macmillan, E., Ngothai, Y., O'Neill, B., . . . Brugger, J. (2015). Uranium scavenging during mineral replacement reactions. [10.2138/am-2015-5125]. *American Mineralogist*, 100(8-9), 1728-1735. doi: 10.2138/am-2015-5125
- Li, L., Lambert, M. F., Maier, H. R., Partington, D., & Simmons, C. T. (2015). Assessment of the internal dynamics of the Australian Water Balance Model under different calibration regimes. [10.1016/j.envsoft.2014.12.015]. *Environmental Modelling and Software*, 66(C), 57-68. doi: 10.1016/j.envsoft.2014.12.015
- Liang, C., Jaksa, M. B., Kuo, Y. L., & Ostendorf, B. (2015). Back analysis of lower river murray riverbank collapses. *Australian Geomechanics Journal*, 50(2), 29-41.
- Liang, C., Jaksa, M. B., Kuo, Y. L., & Ostendorf, B. (2015). Identifying areas susceptible to high risk of riverbank collapse along the Lower River Murray. [10.1016/j.compgeo.2015.05.019]. *Computers and Geotechnics*, 69(C), 236-246. doi: 10.1016/j.compgeo.2015.05.019
- Liang, C., Jaksa, M. B., Ostendorf, B., & Kuo, Y. L. (2015). Influence of river level fluctuations and climate on riverbank stability. [10.1016/j.compgeo.2014.08.012]. *Computers and Geotechnics*, 63(C), 83-98. doi: 10.1016/j.compgeo.2014.08.012
- Liang, K., Ricco, R., Doherty, C. M., Styles, M. J., Bell, S., Kirby, N., . . . Falcaro, P. (2015). Biomimetic mineralization of metal-organic frameworks as protective coatings for

- biomacromolecules.
[10.1038/ncomms8240]. *Nature Communications*, 6(ARTN 7240), 1-8. doi: 10.1038/ncomms8240
- Lim, M. T., Saw, W. L., & Pang, S. (2015). Effect of fluidizing velocity on gas bypass and solid fraction in a dual fluidized bed gasifier and a cold model.
[10.1016/j.partic.2014.05.007]. *Particuology*, 18(C), 58-65. doi: 10.1016/j.partic.2014.05.007
- Lim, M. T., Saw, W. L., & Pang, S. (2015). Estimation of Solids Circulation Rate from Risers at High Solids-to-Gas Density Ratios.
[10.1080/00986445.2013.838162]. *Chemical Engineering Communications*, 202(3), 356-360. doi: 10.1080/00986445.2013.838162
- Lin, G., Shen, C., & van den Hengel, A. (2015). Supervised hashing using graph cuts and boosted decision trees.
[10.1109/TPAMI.2015.2404776]. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 37(11), 2317-2331. doi: 10.1109/TPAMI.2015.2404776
- Liu, G., Chen, H., Xia, L., Wang, S., Ding, L. X., Li, D., . . . Wang, H. (2015). Hierarchical mesoporous/macroporous perovskite $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_{3-\chi}$ nanotubes: a bifunctional catalyst with enhanced activity and cycle stability for rechargeable lithium oxygen batteries.
[10.1021/acsami.5b06587]. *ACS Applied Materials and Interfaces*, 7(40), 22478-22486. doi: 10.1021/acsami.5b06587
- Liu, H., Zheng, Y., Wang, G., & Qiao, S. Z. (2015). A three-component nanocomposite with synergistic reactivity for oxygen reduction reaction in alkaline solution.
[10.1002/aenm.201401186]. *Advanced Energy Materials*, 5(3), 1401186-1401181-1401186-1401187. doi: 10.1002/aenm.201401186
- Liu, J., Wang, J., Wang, Y., Liu, C., Jin, M., Xu, Y., . . . Prud'homme, R. K. (2015). A thermosensitive hydrogel carrier for nickel nanoparticles.
[10.1016/j.colcom.2014.12.001]. *Colloids and Interface Science Communications*, 4(C), 1-4. doi: 10.1016/j.colcom.2014.12.001
- Liu, J., Wickramaratne, N. P., Qiao, S. Z., & Jaroniec, M. (2015). Molecular-based design and emerging applications of nanoporous carbon spheres.
[10.1038/nmat4317]. *Nature Materials*, 14(8), 763-774. doi: 10.1038/nmat4317
- Liu, J., Yan, L., Wang, J., Li, T., Zhao, H., Li, L., . . . Guo, X. (2015). Reversible photo-responsive vesicle based on the complexation between an azobenzene containing molecule and α -cyclodextrin.
[10.1039/c5ra04597e]. *RSC Advances*, 5(41), 32846-32852. doi: 10.1039/c5ra04597e
- Loh, K. H., Smith, N. M., Onagi, H., Lincoln, S. F., & Easton, C. J. (2015). A cyclodextrin-based photoresponsive molecular gate that functions independently of either solvent or potentially competitive guests.
[10.1002/asia.201500696]. *Chemistry - An Asian Journal*, 10(11), 2328-2332. doi: 10.1002/asia.201500696
- Losic, D., Aw, M. S., Santos, A., Gulati, K., & Bariana, M. (2015). Titania nanotube arrays for local drug delivery: recent advances and perspectives.
[10.1517/17425247.2014.945418]. *Expert Opinion on Drug Delivery*, 12(1), 103-127. doi: 10.1517/17425247.2014.945418
- Ma, T. Y., Ran, J., Dai, S., Jaroniec, M., & Qiao, S. Z. (2015). Phosphorus-doped graphitic carbon nitrides grown In situ on carbon-fiber paper: flexible and reversible oxygen electrodes.
[10.1002/anie.201411125]. *Angewandte Chemie International Edition*, 54(15), 4646-4650. doi: 10.1002/anie.201411125
- Madani, S. H., Badalyan, A., Biggs, M. J., & Pendleton, P. (2015). Uncertainty in pore size distribution derived from adsorption isotherms: I. Classical methods.
[10.1016/j.micromeso.2015.04.026]. *Microporous and Mesoporous Materials*, 214(C), 210-216. doi: 10.1016/j.micromeso.2015.04.026

- 10.1016/j.micromeso.2015.04.026
- Madani, S. H., Diaz, L. H., Biggs, M. J., & Pendleton, P. (2015). Uncertainty in pore size distribution derived from adsorption isotherms: II. Adsorption integral approach. [10.1016/j.micromeso.2015.04.030]. *Microporous and Mesoporous Materials*, 214(C), 217-223. doi: 10.1016/j.micromeso.2015.04.030
- Madani, S. H., Sedghi, S., Biggs, M. J., & Pendleton, P. (2015). Analysis of adsorbate-adsorbate and adsorbate-adsorbent Interactions to decode isosteric heats of gas adsorption. [10.1002/cphc.201500881]. *ChemPhysChem*, 16(18), 3797-3805. doi: 10.1002/cphc.201500881
- Madani, S. H., Silvestre-Albero, A., Biggs, M. J., Rodríguez-Reinoso, F., & Pendleton, P. (2015). Immersion calorimetry: molecular packing effects in micropores. [10.1002/cphc.201500580]. *ChemPhysChem*, 16(18), 3984-3991. doi: 10.1002/cphc.201500580
- Maher, S., Alsawat, M., Kumeria, T., Fathalla, D., Fetih, G., Santos, A., . . . Losic, D. (2015). Luminescent silicon diatom replicas: self-reporting and degradable drug carriers with biologically derived shape for sustained delivery of therapeutics. [10.1002/adfm.201501249]. *Advanced Functional Materials*, 25(32), 5107-5116. doi: 10.1002/adfm.201501249
- Mahmoud, S. M., Nathan, G. J., Medwell, P. R., Dally, B. B., & Alwahabi, Z. T. (2015). Simultaneous planar measurements of temperature and soot volume fraction in a turbulent non-premixed jet flame. [10.1016/j.proci.2014.06.122]. *Proceedings of the Combustion Institute*, 35(2), 1931-1938. doi: 10.1016/j.proci.2014.06.122
- Mahony, D., Mody, K. T., Cavallaro, A. S., Hu, Q., Mahony, T. J., Qiao, S., & Mitter, N. (2015). Immunisation of sheep with bovine viral diarrhoea virus, E2 protein using a freeze-dried hollow silica mesoporous nanoparticle formulation. [10.1371/journal.pone.0141870]. *PLoS One*, 10(11), e0141870-0141871-e0141870-0141816. doi: 10.1371/journal.pone.0141870
- Malouf, A., Henderson-Sapir, O., Gorjan, M., & Ottaway, D. J. Numerical Modeling of 3.5 micron Dual-Wavelength Pumped Erbium Doped Mid-Infrared Fiber Lasers.
- Maruf Morshed, M. M., Hansen, C. H., & Zander, A. C. (2015). Prediction of acoustic loads on a launch vehicle: Nonunique source allocation method. [10.2514/1.A33204]. *Journal of Spacecraft and Rockets*, 52(5), 1478-1485. doi: 10.2514/1.A33204
- Matichard, F., Lantz, B., Mason, K., Mittleman, R., Abbott, B., Abbott, S., . . . Warner, J. (2015). Advanced LIGO two-stage twelve-axis vibration isolation and positioning platform. Part 1: Design and production overview. [10.1016/j.precisioneng.2014.09.010]. *Precision Engineering*, 40(C), 273-286. doi: 10.1016/j.precisioneng.2014.09.010
- Matichard, F., Lantz, B., Mason, K., Mittleman, R., Abbott, B., Abbott, S., . . . Warner, J. (2015). Advanced LIGO two-stage twelve-axis vibration isolation and positioning platform. Part 2: Experimental investigation and tests results. [10.1016/j.precisioneng.2014.11.010]. *Precision Engineering*, 40(C), 287-297. doi: 10.1016/j.precisioneng.2014.11.010
- Matichard, F., Lantz, B., Mittleman, R., Mason, K., Kissel, J., Abbott, B., . . . Wen, S. (2015). Seismic isolation of advanced LIGO: review of strategy, instrumentation and performance. [10.1088/0264-9381/32/18/185003]. *Classical and Quantum Gravity*, 32(18), 185003-185001-185003-185030. doi: 10.1088/0264-9381/32/18/185003
- Matschullat, J., Armbrecht, L., Bachor, H., Bremhorst, K., Christian, M.,

- Kanajanabootra, S., . . .
 Zhang, Y. (2015). An Interhemispheric Perspective on Environment and Energy. *International Journal of Performativity Engineering*, 11(6), 589-603.
- McCullough, D. P., van Eyk, P. J., Ashman, P. J., & Mullinger, P. J. (2015). Impact of sodium and sulfur species on agglomeration and defluidization during spouted bed gasification of South Australian lignite. [10.1021/acs.energyfuels.3b00367]. *Energy Fuels*, 29(6), 3922-3932. doi: 10.1021/acs.energyfuels.3b00367
- McGee, B., Collins, A. S., Trindade, R. I. F., & Jourdan, F. (2015). Investigating mid-Ediacaran glaciation and final Gondwana amalgamation using coupled sedimentology and ^{40}Ar / ^{39}Ar detrital muscovite provenance from the Paraguay Belt, Brazil. [10.1111/sed.12143]. *Sedimentology*, 62(1), 130-154. doi: 10.1111/sed.12143
- McGee, B., Collins, A. S., Trindade, R. I. F., & Payne, J. (2015). Age and provenance of the Cryogenian to cambrian passive margin to foreland basin sequence of the northern Paraguay Belt, Brazil. [10.1130/B30842.1]. *Bulletin of the Geological Society of America*, 127(1-2), 76-86. doi: 10.1130/B30842.1
- Medlin, C. J., & Ellegaard, C. (2015). Conceptualizing competition and rivalry in a networking business market. [10.1016/j.indmarman.2015.05.009]. *Industrial Marketing Management*, 51(C), 131-140. doi: 10.1016/j.indmarman.2015.05.009
- Medlin, C. J., & Törnroos, J. T. (2015). Exploring and exploiting network relationships to commercialize technology: a biofuel case. [10.1016/j.indmarman.2015.05.036]. *Industrial Marketing Management*, 49(C), 42-52. doi: 10.1016/j.indmarman.2015.05.036
- Mei, Y., Sherman, D. M., Liu, W., Etschmann, B., Testemale, D., & Brugger, J. (2015). Zinc complexation in chloride-rich hydrothermal fluids (25-600°C): a thermodynamic model derived from ab initio molecular dynamics. [10.1016/j.gca.2014.09.023]. *Geochimica et Cosmochimica Acta*, 150(C), 265-284. doi: 10.1016/j.gca.2014.09.023
- Mimani, A., Doolan, C. J., & Medwell, P. R. (2015). Stability and accuracy of aeroacoustic time-reversal using the pseudo-characteristic formulation. [10.20855/ijav.2015.20.4386]. *International Journal of Acoustics and Vibration*, 20(4), 226-243. doi: 10.20855/ijav.2015.20.4386
- Mimani, A., Moreau, D. J. M., Prime, Z., & Doolan, C. J. D. (2015). Enhanced focal-resolution of dipole sources using aeroacoustic time-reversal in a wind tunnel. [10.1016/j.ymssp.2015.09.037]. *Mechanical Systems and Signal Processing*, 72-73(C), 925-937. doi: 10.1016/j.ymssp.2015.09.037
- Mimani, A., Prime, Z., Doolan, C. J., & Medwell, P. R. (2015). A sponge-layer damping technique for aeroacoustic Time-Reversal. [10.1016/j.jsv.2014.12.007]. *Journal of Sound and Vibration*, 342(C), 124-151. doi: 10.1016/j.jsv.2014.12.007
- Miri, N., Mohammadzaheri, M., & Chen, L. (2015). An enhanced physics-based model to estimate the displacement of piezoelectric actuators. [10.1177/1045389X14546648]. *Journal of Intelligent Material Systems and Structures*, 26(11), 1442-1451. doi: 10.1177/1045389X14546648
- Miri, N., Mohammadzaheri, M., & Chen, L. (2015). An evolutionary approach to physics-based modelling of piezoelectric actuators, supported by a critical review and experimental results. *International Journal of Mechanical Engineering and Automation*, 2(8), 335-347.
- Misson, M., Jin, B., Chen, B., & Zhang, H. (2015). Enhancing enzyme stability and metabolic functional ability of β -galactosidase through functionalized polymer nanofiber immobilization. [10.1007/s00449-015-1432-5]. *Bioprocess and biosystems engineering*,

- 38(10), 1915-1923. doi: 10.1007/s00449-015-1432-5
- Misson, M., Zhang, H., & Jin, B. (2015). Nanobiocatalyst advancements and bioprocessing applications. [10.1098/rsif.2014.0891]. *Journal of the Royal Society, Interface / the Royal Society*, 12(102), 20140891. doi: 10.1098/rsif.2014.0891
- Mitchell, C., Hill, S. M., Giles, D., & Hulme, K. (2015). El Niño-La Niña cycles and biogeochemical sampling: Variability of element concentrations within *E. camaldulensis* leaves in semi-arid Australia. [10.1144/geochem2014-304]. *Geochemistry: Exploration, Environment, Analysis*, 15(4), 350-360. doi: 10.1144/geochem2014-304
- Miyajima, K., Sobhan, M. A., Hardy, R. A., Metha, G. F., & Mafuné, F. (2015). Structural rearrangement in gas phase niobium carbide clusters, Nb<inf>n</inf>/C<inf>n</inf> and Nb<inf>n</inf>/C<inf>n</inf>. [10.1016/j.cplett.2015.06.031]. *Chemical Physics Letters*, 634, 261-265. doi: 10.1016/j.cplett.2015.06.031
- Moazen Ahmadi, A., Petersen, D., & Howard, C. (2015). A nonlinear dynamic vibration model of defective bearings - the importance of modelling the finite size of rolling elements. [10.1016/j.ymssp.2014.06.006]. *Mechanical Systems and Signal Processing*, 52-53(1), 309-326. doi:
- 10.1016/j.ymssp.2014.06.006
- Modra, K., Dai, S., Zhang, H., Shi, B., & Bi, J. (2015). Polycation-mediated gene delivery: Challenges and considerations for the process of plasmid DNA transfection. [10.1002/elsc.201400043]. *Engineering in Life Sciences*, 15(5), 489-498. doi: 10.1002/elsc.201400043
- Mohammadzaheri, M., Chen, L., Mirsepaei, A., Ghanbari, M., & Tafreshi, R. (2015). Neuro-predictive control of an infrared dryer with a feedforward-feedback approach. [10.1002/asjc.1038]. *Asian Journal of Control*, 17(6), 1972-1977. doi: 10.1002/asjc.1038
- Momeni, A., Karakus, M., Khanlari, G. R., & Heidari, M. (2015). Effects of cyclic loading on the mechanical properties of a granite. [10.1016/j.ijrmms.2015.03.029]. *International Journal of Rock Mechanics and Mining Sciences*, 77(C), 89-96. doi: 10.1016/j.ijrmms.2015.03.029
- Moon, L., Biggs, D., Ingham, J., & Griffith, M. (2015). Transect survey as a post-disaster global rapid damage assessment tool. [10.1193/070113EQS185M]. *Earthquake Spectra*, 31(4), 2443-2457. doi: 10.1193/070113EQS185M
- Moridi, M. A., Kawamura, Y., Sharifzadeh, M., Chanda, E. K., Wagner, M., Jang, H., & Okawa, H. (2015). Development of underground mine monitoring and communication system integrated ZigBee and GIS. [10.1016/j.ijmst.2015.07.017]. *International Journal of Mining Science and Technology*, 25(5), 811-818. doi: 10.1016/j.ijmst.2015.07.017
- Morrissey, L. J., Hand, M., & Kelsey, D. E. (2015). Multi-stage metamorphism in the Rayner-Eastern Ghats Terrane: P-T-t constraints from the northern Prince Charles Mountains, east Antarctica. [10.1016/j.precamres.2015.06.003]. *Precambrian Research*, 267(C), 137-163. doi: 10.1016/j.precamres.2015.06.003
- Mougouei, D., Shen, H., & Babar, M. A. (2015). Partial selection of agile software requirements. [10.14257/ijseia.2015.9.1.10]. *International Journal of Software Engineering and its Applications*, 9(1), 113-126. doi: 10.14257/ijseia.2015.9.1.10
- Munoz, H., Taheri, A., & Chanda, E. K. (2016). Fracture Energy-Based Brittleness Index Development and Brittleness Quantification by Pre-peak Strength Parameters in Rock Uniaxial Compression. [10.1007/s00603-016-1071-4]. *Rock Mechanics and Rock Engineering*, 1-20. doi: 10.1007/s00603-016-1071-4
- Naik, S., You, Z., & Bedrikovetsky, P. (2015). Rate enhancement in

- unconventional gas reservoirs by wettability alteration.
[10.1016/j.jngse.2015.06.016]. *Journal of Natural Gas Science and Engineering*, 26(C), 1573-1584. doi: 10.1016/j.jngse.2015.06.016
- Nallaperuma, S., Wagner, M., & Neumann, F. (2015). Analyzing the effects of instance features and algorithm parameters for max-min ant system and the traveling salesperson problem.
[10.3389/frobt.2015.00018]. *Frontiers in Robotics and AI*, 2(18), 18-11-18-16. doi: 10.3389/frobt.2015.00018
- Navvab Kashani, M., Zivkovic, V., Elekaei, H., Herrera, L. F., Affleck, K., & Biggs, M. J. (2015). A new method for reconstruction of the structure of micro-packed beds of spherical particles from desktop X-ray microtomography images. Part B. Structure refinement and analysis.
[10.1016/j.ces.2016.05.036]. *Chemical Engineering Science*, 153(C), 434-443. doi: 10.1016/j.ces.2016.05.036
- Nemati, M., Santos, A., Kumeria, T., & Losic, D. (2015). Label-free real-time quantification of enzyme levels by interferometric spectroscopy combined with gelatin-modified nanoporous anodic alumina photonic films.
[10.1021/acs.analchem.5b0225]. *Analytical chemistry*, 87(17), 9016-9024. doi: 10.1021/acs.analchem.5b0225
- 25
- Nguyen, A. Q., Sutton, A. M., & Neumann, F. (2015). Population size matters: Rigorous runtime results for maximizing the hypervolume indicator.
[10.1016/j.tcs.2014.06.023]. *Theoretical Computer Science*, 561(PA), 24-36. doi: 10.1016/j.tcs.2014.06.023
- Nine, M. J., Cole, M. A., Johnson, L., Tran, D. N. H., & Losic, D. (2015). Robust superhydrophobic graphene-based composite coatings with self-cleaning and corrosion barrier properties.
[10.1021/acsami.5b09611]. *ACS Applied Materials and Interfaces*, 7(51), 28482-28493. doi: 10.1021/acsami.5b09611
- Nine, M. J., Cole, M. A., Tran, D. N. H., & Losic, D. (2015). Graphene: a multipurpose material for protective coatings.
[10.1039/c5ta01010a]. *Journal of Materials Chemistry A*, 3(24), 12580-12602. doi: 10.1039/c5ta01010a
- Nishimura, A., Fukuoka, T., Baba, M., Hirota, M., & Hu, E. (2015). Clarification on temperature distribution in single cell of polymer electrolyte fuel cell under different operation conditions by means of 1D multi-plate heat-transfer model.
[10.1252/jcej.14we200]. *Journal of Chemical Engineering of Japan*, 48(10), 862-871. doi: 10.1252/jcej.14we200
- Nyberg, B., Buckley, S. J., Howell, J. A., & Nanson, R. A. (2015). Geometric attribute and shape characterization of modern depositional elements: A quantitative GIS method for empirical analysis.
[10.1016/j.cageo.2015.06.003]. *Computers and Geosciences*, 82(C), 191-204. doi: 10.1016/j.cageo.2015.06.003
- Oak, M. (2015). Legalization of bribe giving when bribe type is endogenous.
[10.1111/jpet.12149]. *Journal of Public Economic Theory*, 17(4), 580-604. doi: 10.1111/jpet.12149
- Olea, R. A., Pardo-Iguzquiza, E., & Dowd, P. A. (2015). Robust and resistant semi-variogram modelling using a generalized bootstrap.
Journal of the Southern African Institute of Mining and Metallurgy, 155(1), 37-44.
- Patil, P., Madhuprasad, Kumeria, T., Losic, D., & Kurkuri, M. (2015). Isolation of circulating tumour cells by physical means in a microfluidic device: a review.
[10.1039/c5ra16489c]. *RSC Advances*, 5(109), 89745-89762. doi: 10.1039/c5ra16489c
- Payne, J. L., Hand, M., Pearson, N. J., Barovich, K. M., & McInerney, D. J. (2015). Crustal thickening and clay: controls on O isotope variation in global magmatism and siliciclastic sedimentary rocks.
[10.1016/j.epsl.2014.12.037]. *Earth and Planetary Science*

- Letters*, 412(C), 70-76. doi: 10.1016/j.epsl.2014.12.037
- Peace, M., Mattner, T., Mills, G., Kepert, J., & McCaw, L. (2015). Fire-Modified Meteorology in a Coupled Fire–Atmosphere Model. [10.1175/JAMC-D-14-0063.1]. *Journal of Applied Meteorology and Climatology*, 54(3), 704-720. doi: 10.1175/JAMC-D-14-0063.1
- Peace, M., McCaw, L. W., Kepert, J. D., Mills, G. A., & Mattner, T. W. (2015). WRF and SFIRE simulations of the Layman fuel reduction burn. *Australian Meteorological and Oceanographic Journal*, 65(3-4), 302-317.
- Penna, M. J., Mijajlovic, M., Tamerler, C., & Biggs, M. J. (2015). Molecular-level understanding of the adsorption mechanism of a graphite-binding peptide at the water/graphite interface. [10.1039/c5sm00123d]. *Soft matter*, 11(26), 5192-5203. doi: 10.1039/c5sm00123d
- Perez, S., Karakus, M., & Sepulveda, E. (2015). A preliminary study on the role of acoustic emission on inferring Cerchar abrasivity index of rocks using artificial neural network. [10.1016/j.wear.2015.10.006]. *Wear*, 344-345(C), 1-8. doi: 10.1016/j.wear.2015.10.006
- Perrella, C., Griesser, H. P., Light, P. S., Kostecki, R., Stace, T. M., Ebendorff-Heidepriem, H., . . . Luiten, A. N. (2015). Demonstration of an exposed-core fiber platform for two photon rubidium spectroscopy. [10.1103/PhysRevApplied.4.0 14013]. *Physical review applied*, 4(1), 014013-014011-014013-014017. doi: 10.1103/PhysRevApplied.4.0 14013
- Petersen, D., Howard, C., & Prime, Z. (2015). Varying stiffness and load distributions in defective ball bearings: analytical formulation and application to defect size estimation. [10.1016/j.jsv.2014.10.004]. *Journal of Sound and Vibration*, 337(C), 284-300. doi: 10.1016/j.jsv.2014.10.004
- Petersen, D., Howard, C., Sawalhi, N., Moazen Ahmadi, A., & Singh, S. (2015). Analysis of bearing stiffness variations, contact forces and vibrations in radially loaded double row rolling element bearings with raceway defects. [10.1016/j.ymssp.2014.04.014]. *Mechanical Systems and Signal Processing*, 50-51(C), 139-160. doi: 10.1016/j.ymssp.2014.04.014
- Pham, D. T., Nguyen, H. T., Lincoln, S. F., Wang, J., Guo, X., Easton, C. J., & Prud'Homme, R. K. (2015). Complexation of dodecyl-substituted poly(acrylate) by linked β -cyclodextrin dimers and trimers in aqueous solution. [10.1002/pola.27563]. *Journal of Polymer Science, Part A: Polymer Chemistry*, 53(10), 1278-1286. doi: 10.1002/pola.27563
- Plavsa, D., Collins, A. S., Foden, J. D., & Clark, C. (2015). The evolution of a Gondwanan collisional orogen: a structural and geochronological appraisal from the Southern Granulite Terrane, South India. [10.1002/2014TC003706]. *Tectonics*, 34(5), 820-857. doi: 10.1002/2014TC003706
- Pokalai, K., Fei, Y., Ahmad, M., Haghghi, M., & Gonzalez Perdomo, M. E. (2015). Design and optimisation of multi-stage hydraulic fracturing in a horizontal well in a shale gas reservoir in the Cooper Basin, South Australia. *The APPEA Journal*, 55, 1-14.
- Popelka-Filcoff, R. S., Lenehan, C. E., Lombi, E., Donner, E., Howard, D. L., de Jonge, M. D., . . . Pring, A. (2015). Microelemental characterisation of Aboriginal Australian natural Fe oxide pigments. [10.1039/c5ay01547b]. *Analytical Methods*, 7(17), 7363-7380. doi: 10.1039/c5ay01547b
- Porteous, R., Prime, Z., Doolan, C. J., Moreau, D. J., & Valeau, V. (2015). Three-dimensional beamforming of dipolar aeroacoustic sources. [10.1016/j.jsv.2015.06.030]. *Journal of Sound and Vibration*, 355(C), 117-134. doi: 10.1016/j.jsv.2015.06.030
- Psaltis, S., Farrell, T., Burrage, K., Burrage, P., McCabe, P., Moroney, T., . . . Mazumder, S. (2015). Mathematical modelling of

- gas production and compositional shift of a CSG (coal seam gas) field: local model development. [10.1016/j.energy.2015.05.107]. *Energy*, 88(C), 621-635. doi: 10.1016/j.energy.2015.05.107
- Qi, G., Nathan, G. J., & Lau, T. C. W. (2015). Velocity and orientation distributions of fibrous particles in the near-field of a turbulent jet. [10.1016/j.powtec.2015.02.003]. *Powder Technology*, 276(C), 10-17. doi: 10.1016/j.powtec.2015.02.003
- Qu, K., Zheng, Y., Dai, S., & Qiao, S. Z. (2015). Polydopamine-graphene oxide derived mesoporous carbon nanosheets for enhanced oxygen reduction. [10.1039/c5nr03089g]. *Nanoscale*, 7(29), 12598-12605. doi: 10.1039/c5nr03089g
- Rahman, S., Atkins, G. J., Findlay, D. M., & Losic, D. (2015). Nanoengineered drug releasing aluminium wire implants: a model study for localized bone therapy. [10.1039/c5tb00150a]. *Journal of Materials Chemistry B*, 3(16), 3288-3296. doi: 10.1039/c5tb00150a
- Rahman, S., Ormsby, R., Santos, A., Atkins, G. J., Findlay, D. M., & Losic, D. (2015). Nanoengineered drug-releasing aluminium wire implants: comparative investigation of nanopore geometry, drug release and osteoblast cell adhesion. [10.1039/c5ra10418a]. *RSC Advances*, 5(92), 75004-75014. doi: 10.1039/c5ra10418a
- Ran, J., Ma, T. Y., Gao, G., Du, X. W., & Qiao, S. Z. (2015). Porous P-doped graphitic carbon nitride nanosheets for synergistically enhanced visible-light photocatalytic H₂ production. [10.1039/c5ee02650d]. *Energy and Environmental Science*, 8(12), 3708-3717. doi: 10.1039/c5ee02650d
- Raveggi, M., Giles, D., Foden, J., Meffre, S., Nicholls, I., & Raetz, M. (2015). Lead and Nd isotopic evidence for a crustal Pb source of the giant Broken Hill Pb-Zn-Ag deposit, New South Wales, Australia. [10.1016/j.oregeorev.2014.09.012]. *Ore Geology Reviews*, 65(Part 1), 228-244. doi: 10.1016/j.oregeorev.2014.09.012
- Reith, F., Zammit, C. M., Pohrib, R., Gregg, A. L., & Wakelin, S. A. (2015). Geogenic factors as drivers of microbial community diversity in soils overlying polymetallic deposits. [10.1128/AEM.01856-15]. *Applied and Environmental Microbiology*, 81(22), 7822-7832. doi: 10.1128/AEM.01856-15
- Richards, L., King, R. C., Collins, A. S., Sayab, M., Khan, M. A., Haneef, M., . . . Warren, J. (2015). Macrostructures vs microstructures in evaporite detachments: an example from the Salt Range, Pakistan. [10.1016/j.jseaes.2015.04.015]. *Journal of Asian Earth Sciences*, 113(2), 922-934. doi: 10.1016/j.jseaes.2015.04.015
- Roberts, A., Campbell, I., Pring, A., Bell, G., Watchman, A., Popelka-Filcoff, R. S., . . . Mannum Aboriginal Community, A. (2015). A multidisciplinary investigation of a rock coating at Ngaut Ngaut (Devon Downs), South Australia. [10.1080/03122417.2015.11682042]. *Australian Archaeology*, 80(80), 32-39. doi: 10.1080/03122417.2015.11682042
- Robinson, F., Foden, J. D., & Collins, A. (2015). Zircon geochemical and geochronological constraints on contaminated and enriched mantle sources beneath the Arabian Shield, Saudi Arabia. [10.1086/683192]. *The Journal of Geology*, 123(5), 463-489. doi: 10.1086/683192
- Robinson, F. A., Foden, J. D., & Collins, A. S. (2015). Geochemical and isotopic constraints on island arc, synorogenic, post-orogenic and anorogenic granitoids in the Arabian Shield, Saudi Arabia. [10.1016/j.lithos.2015.01.021]. *Lithos*, 220-223(C), 97-115. doi: 10.1016/j.lithos.2015.01.021
- Robinson, S. J., Souter, N. J., Bean, N. G., Ross, J. V.,

- Thompson, R. M., & Bjornsson, K. T. (2015). Statistical description of wetland hydrological connectivity to the River Murray in South Australia under both natural and regulated conditions. [10.1016/j.jhydrol.2015.10.006]. *Journal of Hydrology*, 531(3), 929-939. doi: 10.1016/j.jhydrol.2015.10.006
- Rosas-Carbajal, M., Linde, N., Peacock, J., Zyberman, F. I., Kalscheuer, T., & Thiel, S. (2015). Probabilistic 3-D time-lapse inversion of magnetotelluric data: Application to an enhanced geothermal system. [10.1093/gji/ggv406]. *Geophysical Journal International*, 203(3), 1946-1960. doi: 10.1093/gji/ggv406
- Rosser, A. (2015). Contesting tobacco-control policy in Indonesia. [10.1080/14672715.2015.997083]. *Critical Asian Studies*, 47(1), 69-93. doi: 10.1080/14672715.2015.997083
- Rosser, A. (2015). Law and the realisation of human rights: insights from Indonesia's education sector. [10.1080/10357823.2015.1025462]. *Asian Studies Review*, 39(2), 194-212. doi: 10.1080/10357823.2015.1025462
- Rosser, A. (2015). Realising rights in low quality democracies: instructive Asian cases. [10.1080/10357823.2015.1024099]. *Asian Studies Review*, 39(2), 180-193. doi: 10.1080/10357823.2015.1024099
- 10.1080/10357823.2015.1024099
- Rosser, A., & Bremner, S. (2015). The World Bank's health projects in Timor-Leste: the political economy of effective aid. [10.1080/13533312.2015.1059731]. *International Peacekeeping*, 22(4), 435-451. doi: 10.1080/13533312.2015.1059731
- Rosser, A. J. (2015). Where there's smoke, there's politics. *Inside Indonesia*(111).
- Ruan, J., Shi, P., Lim, C. C., & Wang, X. (2015). Relief supplies allocation and optimization by interval and fuzzy number approaches. [10.1016/j.ins.2015.01.002]. *Information Sciences*, 303(C), 15-32. doi: 10.1016/j.ins.2015.01.002
- Ruan, J., Shi, P., Lim, C. C., & Wang, X. (2015). Situation-based allocation of vaccines in infectious disasters with interval values. *ICIC Express Letters*, 9(1), 175-182.
- Ruan, Y., Gibson, B. C., Lau, D. W. M., Greentree, A. D., Ji, H., Ebendorff-Heidepriem, H., . . . Monro, T. M. (2015). Atom-Photon coupling from nitrogen-vacancy centres embedded in tellurite microspheres. [10.1038/srep11486]. *Scientific Reports*, 5(ARTN 11486), 11486-11481-11486-11487. doi: 10.1038/srep11486
- Ruan, Y., Ji, H., Johnson, B., . . . Ohshima, T., Greentree, A. D., Gibson, B. C., . . . Ebendorff-Heidepriem, H. (2015). Nanodiamond in tellurite glass Part II: practical nanodiamond-doped fibers. [10.1364/OME.5.000073]. *Optical Materials Express*, 5(1), 73-87. doi: 10.1364/OME.5.000073
- Rudolph, M. L., Manga, M., Tingay, M., & Davies, R. J. (2015). Influence of seismicity on the Lusi mud eruption. [10.1002/2015GL065310]. *Geophysical Research Letters*, 42(18), 7436-7443. doi: 10.1002/2015GL065310
- Sacramento, R. N., Yang, Y., You, Z., Waldmann, A., Martins, A. L., Vaz, A. S. L., . . . Bedrikovetsky, P. (2015). Deep bed and cake filtration of two-size particle suspension in porous media. [10.1016/j.petrol.2014.12.001]. *Journal of Petroleum Science and Engineering*, 126(C), 201-210. doi: 10.1016/j.petrol.2014.12.001
- Saha, M., Chinnici, A., Dally, B. B., & Medwell, P. R. (2015). Numerical study of pulverized coal MILD combustion in a self-recuperative furnace. [10.1021/acs.energyfuels.5b01644]. *Energy and Fuels*, 29(11), 7650-7669. doi: 10.1021/acs.energyfuels.5b01644
- Saji, V. S., Kumeria, T., Gulati, K., Prideaux, M., Rahman, S., Alsawat, M., . . . Losic, D. (2015). Localized drug delivery of selenium (Se) using nanoporous

- anodic aluminium oxide for bone implants.
[10.1039/c5tb00125k].
Journal of Materials Chemistry B, 3(35), 7090-7098. doi:
10.1039/c5tb00125k
- Salmachi, A., & Yarmohammadtooski, Z. (2015). Production data analysis of coalbed methane wells to estimate the time required to reach to peak of gas production.
[10.1016/j.coal.2015.02.006].
International Journal of Coal Geology, 141-142(C), 33-41. doi:
10.1016/j.coal.2015.02.006
- Schartner, E. P., Tsiminis, G., François, A., Kostecki, R., Warren-Smith, S. C., Nguyen, L. V., . . . Monro, T. M. (2015). Taming the light in microstructured optical fibers for sensing.
[10.1111/ijag.12128].
International Journal of Applied Glass Science, 6(3), 229-239. doi:
10.1111/ijag.12128
- Schnaidt, S., & Heinson, G. (2015). Bootstrap resampling as a tool for uncertainty analysis in 2-D magnetotelluric inversion modelling.
[10.1093/gji/ggv264].
Geophysical Journal International, 203(1), 92-106. doi: 10.1093/gji/ggv264
- Schofield, N., Holford, S., Millett, J., Brown, D., Jolley, D., Passey, S., . . . Stevenson, C. (2015). Regional Magma Plumbing and emplacement mechanisms of the Faroe-Shetland Sill Complex:
- Implications for magma transport and petroleum systems within sedimentary basins. [10.1111/bre.12164].
Basin Research, n/a-n/a. doi: 10.1111/bre.12164
- Sedghi, S., Madani, S. H., Hu, C., Silvestre-Albero, A., Skinner, W., Kwong, P., . . . Biggs, M. J. (2015). Control of the spatial homogeneity of pore surface chemistry in particulate activated carbon.
[10.1016/j.carbon.2015.08.019]. *Carbon*, 95(C), 144-149. doi:
10.1016/j.carbon.2015.08.019
- Seredych, M., Biggs, M. J., & Bandosz, T. J. (2015). Oxygen reduction on chemically heterogeneous iron-containing nanoporous carbon: The effects of specific surface functionalities.
[10.1016/j.micromeso.2015.09.032]. *Microporous and Mesoporous Materials*, 221(C), 137-149. doi:
10.1016/j.micromeso.2015.09.032
- Shariatinia, Z., Haghghi, M., Shafiei, A., Feiznia, S., & Zendehboudi, S. (2015). PVTX characteristics of oil inclusions from Asmari formation in Kuh-e-Mond heavy oil field in Iran.
[10.1007/s00531-014-1101-y]. *International Journal of Earth Sciences*, 104(3), 603-623. doi: 10.1007/s00531-014-1101-y
- Shaw, R. E., & Meyer, W. S. (2015). Improved empirical representation of plant responses to waterlogging for simulating crop yield.
[10.2134/agronj14.0625].
Agronomy Journal, 107(5), 1711-1723. doi:
10.2134/agronj14.0625
- Shen, F., Shen, C., Shi, Q., Van Den Hengel, A., Tang, Z., & Shen, H. T. (2015). Hashing on nonlinear manifolds.
[10.1109/TIP.2015.2405340].
IEEE Transactions on Image Processing, 24(6), 1839-1851. doi:
10.1109/TIP.2015.2405340
- Shi, Q., Reid, M., Caetano, T., Van Den Hengel, A., & Wang, Z. (2015). A hybrid loss for multiclass and structured prediction.
[10.1109/TPAMI.2014.2306414].
IEEE Transactions on Pattern Analysis and Machine Intelligence, 37(1), 2-12. doi:
10.1109/TPAMI.2014.2306414
- Sia, T. H., Dai, S., Jin, B., Biggs, M., & Chong, M. N. (2015). Hybridising nitrogen doped titania with kaolinite: A feasible catalyst for a semi-continuous photo-degradation reactor system.
[10.1016/j.cej.2015.05.101].
Chemical Engineering Journal, 279(C), 939-947. doi:
10.1016/j.cej.2015.05.101
- Singh, S., Howard, C. Q., & Hansen, C. H. (2015). An extensive review of vibration modelling of rolling element bearings with localised and extended defects.
[10.1016/j.jsv.2015.04.037].
Journal of Sound and Vibration, 357(C), 300-330.

- doi:
10.1016/j.jsv.2015.04.037
- Slotte, M., Metha, G., & Zevenhoven, R. (2015). Life cycle indicator comparison of copper, silver, zinc and aluminum nanoparticle production through electric arc evaporation or chemical reduction. [10.1007/s40095-015-0171-3]. *International Journal of Energy and Environmental Engineering*, 6(3), 233-243. doi: 10.1007/s40095-015-0171-3
- Song, Z., Schunnesson, H., Rinne, M., & Sturgul, J. (2015). An approach to realizing process control for underground mining operations of mobile machines. [10.1371/journal.pone.0129572]. *PLoS One*, 10(6), e0129572-0129571-e0129572-0129517. doi: 10.1371/journal.pone.0129572
- Song, Z., Schunnesson, H., Rinne, M., & Sturgul, J. (2015). Intelligent scheduling for underground mobile mining equipment. [10.1371/journal.pone.0131003]. *PLoS One*, 10(6), e0131003-0131001-e0131003-0131021. doi: 10.1371/journal.pone.0131003
- Soong, W. L., Kahourzade, S., Liaw, C. Z., & Lillington, P. (2015). Interior PM generator for portable AC generator sets. [10.1109/TIA.2015.2488594]. *IEEE Transactions on Industry Applications*, 2015(2), 1340-1349. doi: 10.1109/TIA.2015.2488594
- Stalker, L., Boreham, C., Underschultz, J., Freifeld, B., Perkins, E., Schacht, U., & Sharma, S. (2015). Application of tracers to measure, monitor and verify breakthrough of sequestered CO₂ at the CO₂CRC Otway Project, Victoria, Australia. [10.1016/j.chemgeo.2014.12.006]. *Chemical Geology*, 399(C), 2-19. doi: 10.1016/j.chemgeo.2014.12.006
- Stockton, K. P., Merritt, C. J., Sumby, C. J., & Greatrex, B. W. (2015). Palladium-Catalyzed Suzuki-Miyaura, Heck and Hydroarylation Reactions on (-)-Levoglucosenone and Application to the Synthesis of Chiral γ-Butyrolactones. [10.1002/ejoc.201501083]. *European Journal of Organic Chemistry*, 2015(32), 6999-7008. doi: 10.1002/ejoc.201501083
- Sun, L. L., Hansen, C. H., & Doolan, C. (2015). Evaluation of the performance of a passive-active vibration isolation system. [10.1016/j.ymssp.2014.05.008]. *Mechanical Systems and Signal Processing*, 50-51(C), 480-497. doi: 10.1016/j.ymssp.2014.05.008
- Sun, X., Hu, F., Zhou, Y., & Lim, C. C. (2015). Optimal acquisition, inventory and production decisions for a closed-loop manufacturing system with legislation constraint. [10.3934/jimo.2015.11.1355]. *Journal of Industrial and Management Optimization*, 11(4), 1355-1373. doi: 10.3934/jimo.2015.11.1355
- Sun, Z., Zetterberg, J., Alwahabi, Z., Aldén, M., & Li, Z. (2015). Single-shot, planar infrared imaging in flames using polarization spectroscopy. [10.1364/OE.23.030414]. *Optics Express*, 23(23), 30414-30420. doi: 10.1364/OE.23.030414
- Sun, Z. W., Alwahabi, Z. T., Gu, D. H., Mahmoud, S. M., Nathan, G. J., & Dally, B. B. (2015). Planar laser-induced incandescence of turbulent sooting flames: the influence of beam steering and signal trapping. [10.1007/s00340-015-6080-6]. *Applied Physics B*, 119(4), 731-743. doi: 10.1007/s00340-015-6080-6
- Sun, Z. W., Gu, D. H., Nathan, G. J., Alwahabi, Z. T., & Dally, B. B. (2015). Single-shot, Time-Resolved planar Laser-Induced Incandescence (TiRe-LII) for soot primary particle sizing in flames. [10.1016/j.proci.2014.07.066]. *Proceedings of the Combustion Institute*, 35(3), 3673-3680. doi: 10.1016/j.proci.2014.07.066
- Swierczek, E., Backe, G., Holford, S. P., Tenthorey, E., & Mitchell, A. (2015). 3D seismic analysis of complex faulting patterns above the Snapper Field, Gippsland Basin: implications for CO₂ storage. [10.1080/08120099.2015.978373]. *Australian Journal of Earth Sciences*, 62(1), 77-94.

- doi:
10.1080/08120099.2015.978
373
- Szpak, Z. L., Chojnacki, W., & van den Hengel, A. (2015). Guaranteed ellipse fitting with a confidence region and an uncertainty measure for centre, axes, and orientation. [10.1007/s10851-014-0536-x]. *Journal of Mathematical Imaging and Vision*, 52(2), 173-199. doi: 10.1007/s10851-014-0536-x
- Ta, C., Brugger, J., Pring, A., Hocking, R. K., Lenehan, C. E., & Reith, F. (2015). Effect of manganese oxide minerals and complexes on gold mobilization and speciation. [10.1016/j.chemgeo.2015.04.016]. *Chemical Geology*, 407-408(C), 10-20. doi: 10.1016/j.chemgeo.2015.04.016
- Talemi, P. Field Emission properties of nanocomposites of conducting polymers.
- Talemi, P., Delaigue, M., Murphy, P., & Fabretto, M. (2015). Flexible polymer-on-polymer architecture for piezo/pyroelectric energy harvesting. [10.1021/am5089082]. *ACS applied materials & interfaces*, 7(16), 8465-8471. doi: 10.1021/am5089082
- Talemi, P., & Simon, G. Welding of Carbon Nanotubes to solid Surfaces using Microwave-Plasma.
- Tam, A., Yu, Z., Kelso, R. M., & Binder, B. J. (2015). Predicting channel bed topography in hydraulic falls.
- [10.1063/1.4935419]. *Physics of Fluids*, 27(11), 112106-112106-112107. doi: 10.1063/1.4935419
- Tang, C., Soong, W. L., Jahns, T. M., & Ertugrul, N. (2015). Analysis of iron loss in interior PM machines with distributed windings under deep field weakening. [10.1109/TIA.2015.2433901]. *IEEE Transactions on Industry Applications*, 51(5), 3761-3772. doi: 10.1109/TIA.2015.2433901
- Tao, G., Ebendorff-Heidepriem, H., Stolyarov, A. M., Danto, S., Badding, J. V., Fink, Y., . . . Abouraddy, A. F. (2015). Infrared fibers. [10.1364/AOP.7.000379]. *Advances in Optics and Photonics*, 7(2), 379-458. doi: 10.1364/AOP.7.000379
- Tapping, P. C., Clafton, S. N., Schwarz, K. N., Kee, T. W., & Huang, D. M. (2015). Molecular-level details of morphology-dependent exciton migration in poly(3-hexylthiophene) nanostructures. [10.1021/acs.jpcc.5b00705]. *Journal of Physical Chemistry C*, 119(13), 7047-7059. doi: 10.1021/acs.jpcc.5b00705
- Tarshizi, E., Sturgul, J., Ibarra, V., & Taylor, D. (2015). Simulation and animation model to boost mining efficiency and enviro-friendly in multi-pit operations. [10.1016/j.ijmst.2015.05.023]. *International Journal of Mining Science and Technology*, 25(4), 671-674. doi:
- 10.1016/j.ijmst.2015.05.023
- Taylor, R. J. M., Clark, C., Johnson, T. E., Santosh, M., & Collins, A. S. (2015). Unravelling the complexities in high-grade rocks using multiple techniques: the Achankovil Zone of southern India. [10.1007/s00410-015-1147-2]. *Contributions to Mineralogy and Petrology*, 169(5), 51-51-51-19. doi: 10.1007/s00410-015-1147-2
- Tian, Z. F., Nathan, G. J., & Cao, Y. (2015). Numerical modelling of flows in a solar-enhanced vortex gasifier: Part 1, comparison of turbulence models. [10.1504/PCFD.2015.068819]. *Progress in Computational Fluid Dynamics*, 15(2), 114-122. doi: 10.1504/PCFD.2015.068819
- Tingay, M. (2015). Initial pore pressures under the Lusi mud volcano, Indonesia. [10.1190/INT-2014-0092.1]. *Interpretation*, 3(1), SE33-SE49. doi: 10.1190/INT-2014-0092.1
- Tingay, M. R. P., Rudolph, M. L., Manga, M., Davies, R. J., & Wang, C. Y. (2015). Initiation of the Lusi mudflow disaster. [10.1038/ngeo2472]. *Nature Geoscience*, 8(7), 493-494. doi: 10.1038/ngeo2472
- Toor, M., Jin, B., Dai, S., & Vimonses, V. (2015). Activating natural bentonite as a cost-effective adsorbent for removal of Congo-red in wastewater. [10.1016/j.jiec.2014.03.033]. *Journal of Industrial and*

- Engineering Chemistry*, 21(C), 653-661. doi: 10.1016/j.jiec.2014.03.033 , Tran, D. N. H., Kabiri, S., Sim, T. R., & Losic, D. (2015). Selective adsorption of oil-water mixtures using polydimethylsiloxane (PDMS)-graphene sponges. [10.1039/c5ew00035a]. *Environmental Science: Water Research and Technology*, 1(3), 298-305. doi: 10.1039/c5ew00035a
- Tran, D. N. H., Kabiri, S., Wang, L., & Losic, D. (2015). Engineered graphene-nanoparticle aerogel composites for efficient removal of phosphate from water. [10.1039/c4ta06308b]. *Journal of Materials Chemistry A*, 3(13), 6844-6852. doi: 10.1039/c4ta06308b
- Tubilewicz, C., & Jayasuriya, K. (2015). Internationalisation of the Chinese subnational state and capital: the case of Yunnan and the Greater Mekong Subregion. [10.1080/10357718.2014.978739]. *Australian Journal of International Affairs*, 69(2), 185-204. doi: 10.1080/10357718.2014.978739
- Tucker, N. M., Hand, M., Kelsey, D. E., & Dutch, R. A. (2015). A duality of timescales: short-lived ultrahigh temperature metamorphism preserving a long-lived monazite growth history in the Grenvillian Musgrave-Albany-Fraser Orogen. [10.1016/j.precamres.2015.04.015]. *Precambrian Research*, 264(C), 204-234. doi: 10.1016/j.precamres.2015.04.015
- Tucker, N. M., Hand, M., & Payne, J. L. (2015). A rift-related origin for regional medium-pressure, high-temperature metamorphism. [10.1016/j.epsl.2015.04.003]. *Earth and Planetary Science Letters*, 421(C), 75-88. doi: 10.1016/j.epsl.2015.04.003
- Tung, T. T., Losic, D., Park, S. J., Feller, J. F., & Kim, T. (2015). Core-shell nanostructured hybrid composites for volatile organic compound detection. [10.2147/IJN.S88305]. *International Journal of Nanomedicine*, 10, 203-214. doi: 10.2147/IJN.S88305
- Tunney, A. P., Denier, J. P., Mattner, T. W., & Cater, J. E. (2015). A new inviscid mode of instability in compressible boundary-layer flows. [10.1017/jfm.2015.627]. *Journal of Fluid Mechanics*, 785, 301-323. doi: 10.1017/jfm.2015.627
- Tyiasning, S., & Cooke, D. (2015). A comparison of competing amplitude variation with offset techniques applied to tight gas sand exploration in the Cooper Basin of Australia. [10.1190/INT-2014-0262.1]. *Interpretation*, 3(3), SZ15-SZ26. doi: 10.1190/INT-2014-0262.1
- Vasani, R. B., Losic, D., Cavallaro, A., & Voelcker, N. H. (2015). Fabrication of stimulus-responsive diatom biosilica microcapsules for antibiotic drug delivery. [10.1039/c5tb00648a]. *Journal of Materials Chemistry B*, 3(21), 4325-4329. doi: 10.1039/c5tb00648a
- Visser, B. R., Addicoat, M. A., Gascooke, J. R., Zhang, X., Bowen, K., Lawrence, W. D., & Metha, G. F. (2015). Photodetachment velocity map imaging of the $1A' \leftarrow 2A'$ transition in the AuOH anion. [10.1016/j.cplett.2015.02.053]. *Chemical Physics Letters*, 625(C), 164-167. doi: 10.1016/j.cplett.2015.02.053
- Wagner, M., Bringmann, K., Friedrich, T., & Neumann, F. (2015). Efficient optimization of many objectives by approximation-guided evolution. [10.1016/j.ejor.2014.11.032]. *European Journal of Operational Research*, 243(2), 465-479. doi: 10.1016/j.ejor.2014.11.032
- Wagner, M., Neumann, F., & Urli, T. (2015). On the performance of different genetic programming approaches for the SORTING problem. [10.1162/EVCO_a_00149]. *Evolutionary Computation*, 23(4), 583-609. doi: 10.1162/EVCO_a_00149
- Wainman, C. C., McCabe, P. J., Crowley, J. L., & Nicoll, R. S. (2015). U-Pb zircon age of the Walloon Coal Measures in the Surat Basin, southeast Queensland: implications for paleogeography and basin subsidence. [10.1080/08120099.2015.1106975]. *Australian Journal of*

- Earth Sciences*, 62(7), 807-816. doi: 10.1080/08120099.2015.1106975
- Walsh, A. K., Hand, M., & Kelsey, D. E. (2015). A metamorphic perspective on foreland flexure during intraplate orogeny: Evidence for the involvement of weak lithosphere. [10.1111/ter.12164]. *Terra Nova*, 27(5), 329-337. doi: 10.1111/ter.12164
- Walsh, A. K., Kelsey, D. E., Kirkland, C. L., Hand, M., Smithies, R. H., Clark, C., & Howard, H. M. (2015). P-T-t evolution of a large, long-lived, ultrahigh-temperature Grenvillian belt in central Australia. [10.1016/j.gr.2014.05.012]. *Gondwana Research*, 28(2), 531-564. doi: 10.1016/j.gr.2014.05.012
- Wan, Z., Huang, S., Sun, Z., & You, Z. (2015). Stability of jets in a shallow water layer. [10.1108/HFF-04-2013-0137]. *International Journal of Numerical Methods for Heat and Fluid Flow*, 25(2), 358-374. doi: 10.1108/HFF-04-2013-0137
- Wan, Z., You, Z., Chen, J., & Wang, M. (2015). Modeling of aggregation kinetics by a new moment method. [10.1016/j.apm.2015.02.041]. *Applied Mathematical Modelling*, 39(22), 6915-6924. doi: 10.1016/j.apm.2015.02.041
- Wang, A., Wang, H., & Soong, W. L. (2015). Design and optimisation of interior PM machines with distributed and fractional-slot concentrated-windings for hybrid electric vehicles. [10.1504/IJVD.2015.073130]. *International Journal of Vehicle Design*, 69(1-4), 241-254. doi: 10.1504/IJVD.2015.073130
- Wang, C., Liu, L., Wang, Y. H., He, S. P., Li, R. S., Li, M., ... Wu, Z. N. (2015). Recognition and tectonic implications of an extensive Neoproterozoic volcano-sedimentary rift basin along the southwestern margin of the Tarim Craton, northwestern China. [10.1016/j.precamres.2014.1.022]. *Precambrian Research*, 257(C), 65-82. doi: 10.1016/j.precamres.2014.11.022
- Wang, H., Shi, P., Lim, C. C., & Xue, Q. (2015). Event-triggered control for networked Markovian jump systems. [10.1002/rnc.3273]. *International Journal of Robust and Nonlinear Control*, 25(17), 3422-3438. doi: 10.1002/rnc.3273
- Wang, J., Xu, Y., Wang, Y., Liu, J., Xu, J., Li, L., ... Guo, X. (2015). Bridged-cyclodextrin supramolecular hydrogels: Host-guest interaction between a cyclodextrin dimer and adamantyl substituted poly(acrylate)s. [10.1039/c5ra06163f]. *RSC Advances*, 5(57), 46067-46073. doi: 10.1039/c5ra06163f
- Wang, P., Phillips, B. J., & Liebelt, M. J. (2015). Memristor-based activation circuit for longterm memories in cognitive architectures. [10.1049/el.2015.1726]. *Electronics Letters*, 51(21), 1639-1641. doi: 10.1049/el.2015.1726
- Wang, Y., Chen, Y., Kumeria, T., Ding, F., Evdokiou, A., Losic, D., & Santos, A. (2015). Facile synthesis of optical microcavities by a rationally designed anodization approach: tailoring photonic signals by nanopore structure. [10.1021/acsmami.5b01885]. *ACS Applied Materials & Interfaces*, 7(18), 9879-9888. doi: 10.1021/acsmami.5b01885
- Wang, Y., Kaur, G., Chen, Y., Santos, A., Losic, D., & Evdokiou, A. (2015). Bioinert anodic alumina nanotubes for targeting of endoplasmic reticulum stress and autophagic signaling: a combinatorial nanotube-based drug delivery system for enhancing cancer therapy. [10.1021/acsmami.5b07557]. *ACS Applied Materials & Interfaces*, 7(49), 27140-27151. doi: 10.1021/acsmami.5b07557
- Wang, Y., Kaur, G., Zysk, A., Liapis, V., Hay, S., Santos, A., ... Evdokiou, A. (2015). Systematic invitro nanotoxicity study on anodic alumina nanotubes with engineered aspect ratio: understanding nanotoxicity by a nanomaterial model. [10.1016/j.biomaterials.2014.12.008]. *Biomaterials*, 46(C), 117-130. doi: 10.1016/j.biomaterials.2014.12.008

- Wang, Y., Santos, A., Evdokiou, A., & Losic, D. (2015). An overview of nanotoxicity and nanomedicine research: principles, progress and implications for cancer therapy. [10.1039/c5tb00956a]. *Journal of Materials Chemistry B*, 3(36), 7153-7172. doi: 10.1039/c5tb00956a
- Wang, Y., Santos, A., Evdokiou, A., & Losic, D. (2015). Rational design of ultra-short anodic alumina nanotubes by short-time pulse anodization. [10.1016/j.electacta.2014.12.056]. *Electrochimica Acta*, 154(C), 379-386. doi: 10.1016/j.electacta.2014.12.056
- Wang, Z., & Abraham, J. (2015). Fundamental physics of flame development in an autoigniting dual fuel mixture. [10.1016/j.proci.2014.06.079]. *Proceedings of the Combustion Institute*, 35(1), 1041-1048. doi: 10.1016/j.proci.2014.06.079
- Ward, A., Ball, A., & Lewis, D. (2015). Halophytic microalgae as a feedstock for anaerobic digestion. [10.1016/j.algal.2014.11.008]. *Algal Research*, 7(C), 16-23. doi: 10.1016/j.algal.2014.11.008
- Wawryk, A. S., & Van Hende, K. (2015). Civil Liability for Spills from Oil Rigs: The Development of Bilateral and Regional Principles. *Lloyd's Maritime and Commercial Law Quarterly*, 2015(2), 216-244.
- Wawryk, C. M., & Foden, J. D. (2015). Fe-isotope fractionation in magmatic-hydrothermal mineral deposits: a case study from the Renison Sn-W deposit, Tasmania. [10.1016/j.gca.2014.09.044]. *Geochimica et Cosmochimica Acta*, 150(C), 285-298. doi: 10.1016/j.gca.2014.09.044
- Williamson, N. M., Huang, D. M., Bell, S. G., & Metha, G. F. (2015). Guided inquiry learning in an introductory chemistry course. *International Journal of Innovation in Science and Mathematics Education*, 23(6), 34-51.
- Wong, B. L., Morrissey, L. J., Hand, M., Fields, C. E., & Kelsey, D. E. (2015). Grenvillian-aged reworking of late Paleoproterozoic crust of the southern North Australian Craton, central Australia: implications for the assembly of Mesoproterozoic Australia. [10.1016/j.precamres.2015.09.001]. *Precambrian Research*, 270(C), 100-123. doi: 10.1016/j.precamres.2015.09.001
- Wu, J., Delcheva, I., Ngothai, Y., Krasowska, M., & Beattie, D. A. (2015). Bubble-surface interactions with graphite in the presence of adsorbed carboxymethylcellulose. [10.1039/c4sm02380c]. *Soft Matter*, 11(3), 587-599. doi: 10.1039/c4sm02380c
- Wu, J., Hou, H., Yang, Y., &
- Hu, E. (2015). Annual performance of a solar aided coal-fired power generation system (SACPG) with various solar field areas and thermal energy storage capacity. [10.1016/j.apenergy.2015.08.022]. *Applied Energy*, 157(C), 123-133. doi: 10.1016/j.apenergy.2015.08.022
- Wu, J. W., Madani, S. H., Biggs, M. J., Phillip, P., Lei, C., & Hu, E. J. (2015). Characterizations of activated carbon-methanol adsorption pair including the heat of adsorptions. [10.1021/je501113y]. *Journal of Chemical and Engineering Data*, 60(6), 1727-1731. doi: 10.1021/je501113y
- Wu, K. S., Henderson-Sapir, O., Veitch, P. J., Hamilton, M., Munch, J., & Ottaway, D. J. (2015). Self-pulsing in Tm-doped YAlO_3 lasers: excited-state absorption and chaos. [10.1103/PhysRevA.91.043819]. *Physical Review A*, 91(4), 043819-043811-043819-043817. doi: 10.1103/PhysRevA.91.043819
- Wu, P., Shen, Y. H., Geng, W. B., Jia, L., Liu, X. G., Guo, X. M., . . . Dai, S. (2015). Synthesis of Multi-responsive Mikto-arm Star Polymers by RAFT Polymerization. *ACTA POLYMERICA SINICA*(9), 1114-1120.
- Wu, W. T., Liu, H., Dong, C., Zheng, W. J., Han, L. L., Li, L., . . . Du, X. W. (2015). Gain high-quality colloidal quantum dots directly from natural minerals.

- [10.1021/la5044415]. *Langmuir*, 31(8), 2251-2255. doi: 10.1021/la5044415
- Xiong, L., Du, X., Kleitz, F., & Qiao, S. Z. (2015). Cancer-cell-specific nuclear-targeted drug delivery by dual-ligand-modified mesoporous silica nanoparticles. [10.1002/smll.201501056]. *Small*, 11(44), 5919-5926. doi: 10.1002/smll.201501056
- Xiong, L., Du, X., Shi, B., Bi, J., Kleitz, F., & Qiao, S. Z. (2015). Tunable stellate mesoporous silica nanoparticles for intracellular drug delivery. [10.1039/c4tb01601g]. *Journal of Materials Chemistry B*, 3(8), 1712-1721. doi: 10.1039/c4tb01601g
- Xu, C., Dowd, P. A., & Tian, Z. F. (2015). A simplified coupled hydro-thermal model for enhanced geothermal systems. [10.1016/j.apenergy.2014.11.050]. *Applied Energy*, 140(C), 135-145. doi: 10.1016/j.apenergy.2014.11.050
- Xu, J., Cai, C., Zou, Y., & Lim, C. C. (2015). Mixed output feedback of the finite frequency H^∞ control for singularly perturbed system. [10.1080/00207721.2014.998317]. *International Journal of Systems Science*, 46(13), 2351-2366. doi: 10.1080/00207721.2014.998317
- Xu, R., Zhang, R., Liu, N., Chen, B., & Zhang Qiao, S. (2015). Template Design and Economical Strategy for the Synthesis of SSZ-13 (CHA-Type) Zeolite as an Excellent Catalyst for the Selective Catalytic Reduction of $\text{NO}_{\infty}x$ by Ammonia. [10.1002/cctc.201500771]. *ChemCatChem*, 7(23), 3842-3847. doi: 10.1002/cctc.201500771
- Xu, X., Gao, B., Jin, B., Zhen, H., Wang, X., & Dai, M. (2015). Study of microbial perchlorate reduction: considering of multiple pH, electron acceptors and donors. [10.1016/j.jhazmat.2014.10.061]. *Journal of Hazardous Materials*, 285(C), 228-235. doi: 10.1016/j.jhazmat.2014.10.061
- Yang, H., Li, R., Kong, P., Sun, Q. C., Biggs, M. J., & Zivkovic, V. (2015). Avalanche dynamics of granular materials under the slumping regime in a rotating drum as revealed by speckle visibility spectroscopy. [10.1103/PhysRevE.91.042206]. *Physical Review E - Statistical, Nonlinear, and Soft Matter Physics*, 91(4). doi: 10.1103/PhysRevE.91.042206
- Yang, T., Zhou, R., Wang, D. W., Jiang, S. P., Yamauchi, Y., Qiao, S. Z., . . . Liu, J. (2015). Hierarchical mesoporous yolk-shell structured carbonaceous nanospheres for high performance electrochemical capacitive energy storage. [10.1039/c4cc09366f]. *Chemical Communications*, 51(13), 2518-2521. doi: 10.1039/c4cc09366f
- Ye, J., Medwell, P. R., Varea, E., Kruse, S., Dally, B. B., & Pitsch, H. G. (2015). An experimental study on MILD combustion of prevaporised liquid fuels. [10.1016/j.apenergy.2015.04.019]. *Applied Energy*, 151(C), 93-101. doi: 10.1016/j.apenergy.2015.04.019
- Yerramilli, R. C., Zitha, P. L. J., Yerramilli, S. S., & Bedrikovetsky, P. (2015). A novel water-injectivity model and experimental validation with CT-scanned corefloods. *SPE Journal*, 20(6), 1200-1211.
- You, Z., Bedrikovetsky, P., Badalyan, A., & Hand, M. (2015). Particle mobilization in porous media: temperature effects on competing electrostatic and drag forces. [10.1002/2015GL063986]. *Geophysical Research Letters*, 42(8), 2852-2860. doi: 10.1002/2015GL063986
- Yuan, S., Mao, J., Cook, N. J., Wang, X., Liu, X., & Yuan, Y. (2015). A Late Cretaceous tin metallogenic event in Nanling W-Sn metallogenic province: Constraints from U-Pb, Ar-Ar geochronology at the Jiepailing Sn-Be-F deposit, Hunan, China. [10.1016/j.oregeorev.2014.10.006]. *Ore Geology Reviews*, 65(P1), 283-293. doi: 10.1016/j.oregeorev.2014.10.006
- Zajamšek, B., Hansen, K. L., Doolan, C. J., & Hansen, C. H. (2015). Characterisation of

- wind farm infrasound and low-frequency noise. [10.1016/j.jsv.2016.02.001]. *Journal of Sound and Vibration*, 370(C), 176-190. doi: 10.1016/j.jsv.2016.02.001
- Zanchetta, E., Malfatti, L., Ricco, R., Styles, M. J., Lisi, F., Coghlan, C. J., . . . Falcaro, P. (2015). ZnO as an efficient nucleating agent for rapid, room temperature synthesis and patterning of Zn-based metal-organic frameworks. [10.1021/cm502882a]. *Chemistry of Materials*, 27(3), 690-699. doi: 10.1021/cm502882a
- Zeinijahromi, A., Al-Jassasi, H., Begg, S., & Bedrikovetski, P. (2015). Improving sweep efficiency of edge-water drive reservoirs using induced formation damage. [10.1016/j.petrol.2015.04.008]. *Journal of Petroleum Science and Engineering*, 130(C), 123-129. doi: 10.1016/j.petrol.2015.04.008
- Zhang, J., Mi, J., Li, P., Wang, F., & Dally, B. B. (2015). Moderate or intense low-oxygen dilution combustion of methane diluted by CO$\text{<inf>}2\text{</inf>}$ and N$\text{<inf>}2\text{</inf>}$. [10.1021/acs.energyfuels.5b00511]. *Energy and Fuels*, 29(7), 4576-4585. doi: 10.1021/acs.energyfuels.5b00511
- Zhang, N., Brugger, J., Etschmann, B., Ngothai, Y., & Zeng, D. (2015). Thermodynamic modeling of poorly complexing metals in concentrated electrolyte solutions: an X-ray absorption and UV-Vis spectroscopic study of Ni(II) in the NiCl₂-MgCl₂-H₂O system. [10.1371/journal.pone.0119805]. *PLoS One*, 10(4), e0119805-0119801-e0119805-0119823. doi: 10.1371/journal.pone.0119805
- Zhang, N., Zeng, D., Brugger, J., Zhou, Q., & Ngothai, Y. (2015). Effect of Solvent Activity on Solute Association: The Formation of Aqueous Nickel(II) Chloride Complexes Studied by UV-Vis and EXAFS Spectroscopy. [10.1007/s10953-015-0334-0]. *Journal of Solution Chemistry*, 44(6), 1320-1338. doi: 10.1007/s10953-015-0334-0
- Zhang, P., Han, Y., & Babar, M. A. (2015). A dataflow optimisation mechanism for service-oriented cloud workflow. [10.1504/IJCSE.2015.067053]. *International Journal of Computational Science and Engineering*, 10(1), 15-31. doi: 10.1504/IJCSE.2015.067053
- Zhang, Y., Lu, T. F., & Al-Sarawi, S. (2015). Formulation of a simple distributed-parameter model of multilayer piezoelectric actuators. [10.1177/1045389X15595294]. *Journal of Intelligent Material Systems and Structures*, OnlinePubl(11), 1-7. doi: 10.1177/1045389X15595294
- Zhang, Y., Lu, T. F., & Peng, Y. (2015). Three-port equivalent circuit of multi-layer piezoelectric stack. [10.1016/j.sna.2015.10.033]. *Sensors and Actuators, A: Physical*, 236(C), 92-97. doi: 10.1016/j.sna.2015.10.033
- Zhang, Z. H., Song, Q., Alwahabi, Z. T., & Yao, Q. (2015). Influence of flame emission spectroscopy on k measurement using laser induced breakdown spectroscopy. [10.3964/j.issn.1000-0593(2015)04-1033-04]. *Guang Pu Xue Yu Guang Pu Fen Xi/Spectroscopy and Spectral Analysis*, 35(4), 1033-1036. doi: 10.3964/j.issn.1000-0593(2015)04-1033-04
- Zhang, Z. H., Song, Q., Alwahabi, Z. T., Yao, Q., & Nathan, G. J. (2015). Temporal release of potassium from pinewood particles during combustion. [10.1016/j.combustflame.2014.07.030]. *Combustion and Flame*, 162(2), 496-505. doi: 10.1016/j.combustflame.2014.07.030
- Zhao, S., Lu, T. F., Koch, B., & Hurdzman, A. (2015). 3D stockpile modelling and quality calculation for continuous stockpile management. [10.1016/j.minpro.2015.04.012]. *International Journal of Mineral Processing*, 140(C), 32-42. doi: 10.1016/j.minpro.2015.04.012

- Zhao, S., Lu, T. F., Koch, B., & Hurdzman, A. (2015). Automatic quality estimation in blending using a 3D stockpile management model. [10.1016/j.aei.2015.07.002]. *Advanced Engineering Informatics*, 29(3), 680-695. doi: 10.1016/j.aei.2015.07.002
- Zheng, Y., Jiao, Y., & Qiao, S. Z. (2015). Engineering of carbon-based electrocatalysts for emerging energy conversion: from fundamentality to functionality. [10.1002/adma.201500821]. *Advanced Materials*, 27(36), 5372-5378. doi: 10.1002/adma.201500821
- Zhong, R., Brugger, J., Chen, Y., & Li, W. (2015). Contrasting regimes of Cu, Zn and Pb transport in ore-forming hydrothermal fluids. [10.1016/j.chemgeo.2014.12.008]. *Chemical Geology*, 395(C), 154-164. doi: 10.1016/j.chemgeo.2014.12.008
- Zhong, R., Brugger, J., Tomkins, A. G., Chen, Y., & Li, W. (2015). Fate of gold and base metals during metamorphic devolatilization of a pelite. [10.1016/j.gca.2015.09.013]. *Geochimica et Cosmochimica Acta*, 171(C), 338-352. doi: 10.1016/j.gca.2015.09.013
- Zhou, B., Heinsohn, G., & Rivera-Rios, A. (2015). Integrated and explicit boundary conditions of electromagnetic fields at arbitrary interfaces between two anisotropic media. [10.4236/jemaa.2015.73009]. *Journal of Electromagnetic Analysis and Applications*, 7(3), 75-88. doi: 10.4236/jemaa.2015.73009
- Zhou, B., Heinsohn, G., & Rivera-Rios, A. (2015). Subdomain Chebyshev spectral method for 2D and 3D numerical differentiations in a curved coordinate system. [10.4236/jamp.2015.33047]. *Journal of Applied Mathematics and Physics*, 03(03), 358-370. doi: 10.4236/jamp.2015.33047
- Zhou, L., Li, Y., Hu, E., Qin, J., & Yang, Y. (2015). Comparison in net solar efficiency between the use of concentrating and non-concentrating solar collectors in solar aided power generation systems. [10.1016/j.applthermaleng.2014.09.063]. *Applied Thermal Engineering*, 75(C), 685-691. doi: 10.1016/j.applthermaleng.2014.09.063
- Zhou, R., Jaroniec, M., & Qiao, S. Z. (2015). Nitrogen-doped carbon electrocatalysts decorated with transition metals for the oxygen reduction reaction. [10.1002/cctc.201500411]. *ChemCatChem*, 7(23), 3808-3817. doi: 10.1002/cctc.201500411
- Zhou, R., & Qiao, S. Z. (2015). An Fe/N co-doped graphitic carbon bulb for high-performance oxygen reduction reaction. [10.1039/c5cc00995b]. *Chemical Communications*, 51(35), 7516-7519. doi: 10.1039/c5cc00995b
- Zhou, X., Shi, P., Lim, C. C., Yang, C., & Gui, W. (2015). Event based guaranteed cost consensus for distributed multi-agent systems. [10.1016/j.jfranklin.2015.02.012]. *Journal of the Franklin Institute*, 352(9), 3546-3563. doi: 10.1016/j.jfranklin.2015.02.012
- Zhu, T., Cazzolato, B., Robertson, W. S. P., & Zander, A. (2015). Vibration isolation using six degree-of-freedom quasi-zero stiffness magnetic levitation. [10.1016/j.jsv.2015.07.013]. *Journal of Sound and Vibration*, 358(C), 48-73. doi: 10.1016/j.jsv.2015.07.013
- Zhu, Y., Kwong, C. W., van Eyk, P. J., de Nys, R., Wang, D., & Ashman, P. J. (2015). Pyrolysis characteristics and char reactivity of Oedogonium sp. and Loy Yang coal. [10.1021/acs.energyfuels.5b00642]. *Energy and Fuels*, 29(8), 5047-5055. doi: 10.1021/acs.energyfuels.5b00642
- Zhu, Y., Piotrowska, P., Van Eyk, P. J., Boström, D., Kwong, C. W., Wang, D., . . . Ashman, P. J. (2015). Cogasification of Australian brown coal with algae in a fluidized bed reactor. [10.1021/ef502422t]. *Energy and Fuels*, 29(3), 1686-1700. doi: 10.1021/ef502422t

Zivkovic, V., & Biggs, M. J.
(2015). On importance of
surface forces in a
microfluidic fluidized bed.
[10.1016/j.ces.2014.12.023].
*Chemical Engineering
Science*, 126(C), 143-149.
doi: 0.1016/j.ces.2014.12.023

Conference Papers

- Ahmadi, A. M., & Howard, C. (2015/01/01). *Observation and analysis of the vibration and displacement signature of defective bearings due to various speeds and loads.* Alamshah, V., Zander, A., & Lenchine, V. (2015/01/01). *Effects of turbulent flow characteristics on wind-induced noise generation in shielded microphones.*
- Algoraini, S., Sun, Z., & Alwahabi, Z. (2015). *Laser-Induced Incandescence of Laminar Premixed C2H4-Air flames at Well-Controlled Pressure.* Paper presented at the 7th Australian Conference on Laser Diagnostics in Fluid Mechanics and Combustion, Melbourne.
- Allen, C., Masia, M. J., Page, A. W., Griffith, M. C., & Derakhshan, H. (2015). *Cyclic in-plane shear testing of unreinforced masonry walls with openings.* Paper presented at the Pacific Earthquake Engineering Conference, Sydney, NSW.
- Alwahabi, Z., Sun, Z., & Wall, M. (2015). *Laser Induced Breakdown Spectroscopy: Detection of High and Low Concentrations.* Paper presented at the 7th Australian conference on Laser Diagnostics in Fluid Mechanics and Combustion, Melbourne.
- Anvari, F., Richards, D., Hitchens, M., & Babar, M. A. (2015/08/12/). *Effectiveness of Persona with Personality Traits on Conceptual Design.*

- Paper presented at the IEEE/ACM 2nd International Workshop on Software Architecture and Metrics (SAM), Florence, ITALY.
- Babar, M. A., Paik, H. Y., Chetlur, M., Bauer, M., & Sharifloo, A. M. (2015/08/12/). *7th International Workshop on Principles of Engineering Service-Oriented and Cloud Systems (PESOS 2015).* Paper presented at the IEEE/ACM 2nd International Workshop on Software Architecture and Metrics (SAM), Florence, ITALY.
- Bedrikovetsky, P., Zeinijahromi, A., Badalyan, A., Ahmetgareev, V., & Khisamov, R. (2015/01/01/). *Fines-migration-assisted low-salinity waterflooding: Field case analysis.* Bradley, A. C., Jaksa, M. B., Kuo, Y. L., & Bennett, T. (2015). *A finite element model for heavy tamping on dry sand.* Paper presented at the XVI European Conference on Soil Mechanics and Geotechnical Engineering (ECSMGE), Edinburgh, UK.
- Brinn, M., Zhao, S., Kumaratilake, J., Lu, T. F., Freeman, B., Al-Sarawi, S., & Henneberg, M. (2015/08/01/). *Axon stretch growth of adult primary motor neurons.* Paper presented at the 25th Biennial Meeting of the International-Society-for-Neurochemistry Jointly with the 13th Meeting of the Asian-Pacific-Society-for-Neurochemistry in Conjunction with the 35th Meeting of the Australasian-Neuroscience-Society, Cairns, AUSTRALIA.
- Carageorgos, T., Badalyan, A., Beasley, T., Nguyen, D., Kashavarz, A., Schacht, U., . . . Bedrikovetsky, P. (2015). *Laboratory and Mathematical Modelling of Fines Production from CSG Interburden Rocks.* Paper presented at the SPE Asia Pacific Unconventional Resources Conference and Exhibition, Brisbane, Australia.
- Carageorgos, T., Badalyan, A., You, Z., Schacht, U., Bedrikovetsky, P., Hand, M., & Matthews, C. (2015). *Laboratory study on formation damage in geothermal reservoirs due to fines migration.* Paper presented at the World Geothermal Congress, Melbourne, Australia.
- Carageorgos, T., Vaz, A., Maffra, D., & Bedrikovetsky, P. (2015). *Characterisation of Reactive Flow in Porous Media from Pressure Measurements.* Paper presented at the SPE Russian Petroleum Technology Conference, Moscow, Russia.
- Chauhan, M. A., Babar, M. A., & Sheng, Q. Z. (2015/08/17/). *A Reference Architecture for a Cloud-Based Tools as a Service Workspace.* Paper presented at the 12th IEEE International Conference on Services Computing (SCC), New York City, NY.
- Chen, S., Fumeaux, C.,

- Talemi, P., Chivers, B., & Shepherd, R. (2015/11/09/). *A Highly Flexible and Efficient Dipole Antenna Realized in Methanol-Treated Conductive Polymers*. Paper presented at the 2015 International Symposium on Antennas and Propagation, Hobart, Tasmania.
- Chen, Y., Liu, X., & Hu, E. (2015/01/01/). *Tracking error and contouring error analysis of coordinated control in biaxial motion of radar servo system*.
- Chinnici, A., Xue, Y., Lau, T. C. W., Arjomandi, M., & Nathan, G. (2015). *Experimental Characterisation of the Vortex Structure within a Solar Expanding-Vortex Particle Receiver-Reactor*. Paper presented at the 7th Australian Conference on Laser Diagnostics in Fluid Mechanics and Combustion, Melbourne.
- Ciobanu, C. L., Cook, N. J., Ehrig, K., Wade, B. P., & Kamenetsky, V. S. (2015/01/01/). *Trace Element Signatures in Iron Oxides from the Olympic Dam IOCG Deposit, South Australia*. Paper presented at the 13th SGA Biennial Meeting on Mineral Resources in a Sustainable World, Nancy, FRANCE.
- Cook, N. J., & Ciobanu, C. L. (2015/01/01/). *Mineral Hosts for Critical Metals in Hydrothermal Ores*. Paper presented at the 13th SGA Biennial Meeting on Mineral Resources in a Sustainable World, Nancy, FRANCE.
- Cotton, B., Damin, L., Silvestri, A., & Howard, C. Q. (2015/01/01/). *Exhaust silencer using water injection*. Coward, S., & Dowd, P. A. (2015/05/04/). *Geometallurgical models for the quantification of uncertainty in mining project value chains*. Paper presented at the The 37th International Symposium on the Application of Computers and Operations Research in the Mineral Industry (APCOM), Fairbanks, USA USA.
- Del Rey Castillo, E., Rhys, R., Griffith, M. C., & Ingham, J. (2015). *Tensile strength of straight FRP anchors in RC structures*. Paper presented at the 12th International Symposium on fiber Reinforced Polymers for RC Structures, Nanjing, China.
- Deng, X., Wen, X., Sheng, R., Huang, S., Harada, T., Kee, T. W., . . . Ho-Baillie, A. (2015/01/01/). *Ultrafast charge generation and relaxation dynamics in methylammonium lead bromide perovskites*. Paper presented at the SPIE Conference on Micro+Nano Materials, Devices, and Systems, Sydney, AUSTRALIA.
- Doerr, B., Neumann, F., & Sutton, A. M. (2015/07/11/). *Improved runtime bounds for the (1+1) EA on random 3-CNF formulas based on fitness-distance correlation*. Paper presented at the 17th Genetic and Evolutionary Computation Conference (GECCO), Madrid, SAN MARINO.
- Donald, J. A., Wielemaker, E. J., Karpfinger, F., Gomez, F., Liang, X., & Tingay, M. (2015/01/01/). *Qualifying stress direction from borehole shear sonic anisotropy*.
- Dong, X., Nathan, G. J., Sun, Z., Gu, D., Ashman, P. J., Alwahabi, Z., & Dally, B. (2015/01/01/). *Influence of simulated solar radiation on the soot volume fraction in laminar sooty flames*.
- Dong, X., Sun, Z., Gu, D., Nathan, G., Ashman, P., Alwahabi, Z., & Dally, B. B. (2015). *The influence of high flux broadband radiation on soot concentration and temperature in a sooty flame*. Paper presented at the Australian Combustion Symposium, Melbourne.
- Donnellan, B. J., Vowles, D. J., & Soong, W. L. (2015/11/10/). *A review of energy storage and its application in power systems*. Paper presented at the Australasian Universities Power Engineering Conference (AUPEC), Wollongong, AUSTRALIA.
- Dowd, P. A., Pardo-Igúzquiza, E., Jorrote, S., & Pulido, A. (2015/01/01/). *Stochastic simulation of spatial hydrofacies accounting for the uncertainty of hydrofacies proportions*. Dowd, P. A., & Xu, C. (2015/06/01/). *Rock fracture network modelling and simulation with particular application to Hot Dry Rock Geothermal reservoirs*. Paper presented at the Society of Mining Professors

- Conference, Freiberg, Germany.
- Ebendorff-Heidepriem, H. (2015/11/13/). *Pushing the limits in the fabrication and properties of soft glass and silica optical fibers*.
- Ebendorff-Heidepriem, H., Ruan, Y., Ji, H., Johnson, B. C., Ohshima, T., Greentree, A. D., . . . Monroe, T. M. (2015/08/10/). *Low-loss tellurite fibers with embedded nanodiamonds*. Paper presented at the Conference on Lasers and Electro-Optics (CLEO), San Jose, CA.
- Evans, M. J., Medwell, P. R., Tian, Z. F., Frassoldati, A., Cuoci, A., & Stagni, A. (2015/06/26/). *Ignition Characteristics in Spatially Zero-, One- and Two-Dimensional Laminar Ethylene Flames*. Paper presented at the 22nd AIAA Computational Fluid Dynamics Conference, Dallas, Texas.
- Evans, M. J., Medwell, P. R., Wu, H., Stagni, A., & Ihme, M. (2015). *Classification of Non-Premixed MILD and Autoignitive Flames*. Paper presented at the Australian Combustion Symposium, Melbourne.
- Evans, M. J., Medwell, P. R., & Ye, J. (2015). *Laser-induced fluorescence of hydroxyl in ethylene in jet flames in hot and diluted coflows*. Paper presented at the 7th Australian Conference on Laser Diagnostics in Fluid Mechanics and Combustion, Melbourne.
- Fabrizio, G., Thomolaris, J., Spencer, N., Lim, C. C., & Ng, B. (2015/01/01/). *Over-the-horizon aircraft detection using skywave AM-radio broadcast signals*. Paper presented at the IEEE International Radar Conference (RadarCon), Arlington, VA.
- Farajzadeh, R., Lotfollahi, M., & Bedrikovetsky, P. (2015/01/01/). *Simultaneous sorption and mechanical entrapment during polymer flow through porous media*.
- Foo, F., Jocher, A., Thong, C., Dally, B. B., Nathan, G. J., Medwell, P., . . . Pitsch, H. (2015). *Preliminary Experimental and Computational Study of Time-varying Laminar Non-Premixed Ethylene/Nitrogen Flames*. Paper presented at the Australian Combustion Symposium, Melbourne.
- Frost, J., Numan, M., Liebelt, M., & Phillips, B. J. (2015). *A new computer for cognitive computing*. Paper presented at the 14th IEEE International Conference on Cognitive Informatics & Cognitive Computing, Tsinghua University, Beijing, China.
- Fu, Z. Y., Jaksa, M. B., & Deng, A. (2015). *Quantifying the influence depth of dynamic compaction using the discrete element method*. Paper presented at the XVI European Conference on Soil Mechanics and Geotechnical Engineering, ECSMGE 2015, Edinburgh, UK.
- Gao, W., Pourhassan, M., &
- Neumann, F. (2015/07/11/). *Runtime analysis of evolutionary diversity optimization and the vertex cover problem*.
- George, L. L., Cook, N. J., & Ciobanu, C. L. (2015). *Trace Element Partitioning between Co-Existing Sphalerite, Galena and Chalcopyrite*. Paper presented at the MINERAL RESOURCES IN A SUSTAINABLE WORLD • 13th SGA Biennial Meeting 2015, Nancy, France.
- Ghanadi, F., Arjomandi, M., Cazzolato, B. S., & Zander, A. C. (2015/07/03/). *The streamwise and spanwise effects of flow-excited Helmholtz resonators on a three-dimensional turbulent boundary layer*. Paper presented at the 9th International Symposium on Turbulence and Shear Flow Phenomena (TSFP-9), Melbourne, Australia.
- Gong, J., Kim, Y. I., Fandrich, H., Lambert, M. F., Simpson, A. R., & Zecchin, A. C. (2015). *Field study on pipeline parameter identification using fluid transient waves with time-domain analysis*. Paper presented at the 12th International Conference on Pressure Surges, Fluid Transients and Water Hammer, Dublin, Ireland.
- Gong, J., Zecchin, A., Lambert, M., & Simpson, A. (2015/01/01/). *Study on the frequency response function of viscoelastic pipelines using a multi-element Kevin-Voigt model*. Paper presented at

- the Computing and Control for the Water Industry (CCWI2015)- Sharing the Best Practice in Water Management, Univ Exeter, Leicester, ENGLAND.
- Griscti, H., McPeake, J., Scott, B., & Howard, C. (2015/01/01). *Design and analysis of a thermoacoustic heat engine*.
- Gu, D. H., Sun, Z. W., Nathan, G. J., Dong, X., Alwahabi, Z. T., Dally, B. B., & Medwell, P. R. (2015/01/01). *Application of two-line atomic fluorescence to sooting flames under irradiation from a high-flux solar simulator*.
- Guo, P., Saw, W., Van Eyk, P., Ashman, P., Nathan, G., & Stechel, E. (2015/01/01). *Fischer-tropsch liquid Fuel Production by Co-gasification of Coal and Biomass in a Solar Hybrid Dual Fluidized Bed Gasifier*. Paper presented at the International Conference on Concentrating Solar Power and Chemical Energy Systems (SolarPACES), Beijing, PEOPLES R CHINA.
- Gupta, S., & Glorie, S. (2015/01/01). *International Association for Gondwana Research (IAGR) 2014 Annual Convention and 11th International Symposium on Gondwana to Asia: A report*. H.E. Bailey, A., C. King, R., P. Holford, S., & M. Sage, J. (2015). *Variation of natural fracture orientations in the Carnarvon Basin's Rankin Platform and Dampier Sub-Basin, NWS, Western Australia*.
- Hansen, C. H., Hansen, K., & Zajamsek. (2015). *Effect of the wind turbine tower on amplitude modulation and rotor noise*. Paper presented at the Symposium on Fluid-Structure-Sound Interactions and Control, Perth, Australia.
- Hansen, C. H., Hansen, K., & Zajamsek. (2015). *Quantifying the character of wind farm noise*. Paper presented at the The 22nd International Congress on Sound and Vibration, Florence, Italy.
- Hansen, C. H., Hansen, K., Zajamsek, & Hessler, G. (2015). *Prediction of infrasound and low frequency noise propagation for modern wind turbines - a proposed supplement to ISO 9613-2*. Paper presented at the Wind Turbine Noise 2015, Glasgow, Scotland.
- Hansen, C. H., Hansen, K., Zajamsek, & Walker, B. (2015). *Perception and annoyance of low frequency noise versus infrasound in the context of wind turbine noise*. Paper presented at the Wind Turbine Noise 2015, Glasgow, Scotland.
- He, Z., Kotousov, A., & Branco, R. (2015/10/28). *Evaluation of fatigue crack front shape for a specimen with finite thickness*. Paper presented at the 4th International Conference on Advances in Mechanics Engineering (ICAME), Madrid, SPAIN.
- Henderson-Sapir, O., Munch, J., & Ottaway, D. J. (2015/08/10). *Wavelength tunable mid-infrared Er³⁺:ZBLAN fiber laser at 3.5 μm using dual wavelength pumping*.
- Henderson-Sapir, O., Munch, J., & Ottaway, D. J. (2015/08/10). *Wavelength tunable mid-infrared Er^{3+>3+}:ZBLAN fiber laser at 3.5 μm using dual wavelength pumping</sup>*. Paper presented at the Conference on Lasers and Electro-Optics (CLEO), San Jose, CA.
- Huang, H., Chen, L., & Hu, E. (2015). *A hybrid model predictive control scheme for energy and cost savings in commercial buildings: simulation and experiment*. Paper presented at the 2015 American Control Conference (ACC), Chicago, USA.
- Hunter, M., Leclercq, D., & Howard, C. (2015/01/01). *Mechanical design of flow control of the exhaust noise from a V6 petrol engine*.
- Kahourzade, S., Soong, W. L., & Lillington, P. (2015/10/27). *Performance of cage-less interior PM motor with open-loop inverter drive*. Paper presented at the IEEE Energy Conversion Congress and Exposition, Montreal, CANADA.
- Kahourzade, S., Soong, W. L., & Lillington, P. (2015/10/27). *Unbalanced loading behavior of the isolated interior permanent-magnet generator*. Paper

- presented at the IEEE Energy Conversion Congress and Exposition, Montreal, CANADA.
- Kalantariasl, A., Bedrikovetsky, P., & Vaz, A. S. (2015/01/01). *Formation damage due to drilling and well completion: External cake formation and stabilisation*.
- Kalantariasl, A., Farajzadeh, R., You, Z., & Bedrikovetsky, P. (2015/01/01). *Mathematical modelling of non-uniform external cake profile in long injection wells*.
- Kalantariasl, A., Schulze, K., Storz, J., Burmester, C., Kuenckeler, S., You, Z., . . . Bedrikovetsky, P. (2015/01/01). *Injectivity during PWRI and disposal in thick low permeable formations (Laboratory and Mathematical Modelling, Field Case)*.
- Karakus, M., Ebong, U., Liu, C., & Zhou, H. (2015). *Three-Dimensional finite element analysis of rock fatigue damage under dynamic loading*. Paper presented at the EUROCK2015, Salzburg, Austria.
- Karakus, M., Perez, S., & Goodchild, D. (2015). *In-situ stress measurements from oriented sub-cores using acoustic emission and deformation rate analysis*. Paper presented at the 24th International Mining Congress and Exhibition of Turkey, Antalya, Turkey.
- Kass, S., Ellis, E., Pourabed, H., Maleki, E., Schumacher, G., & Zeinijahromi, A. (2015/01/01). *Mud filtrate invasion and wireline formation tester cleanup performance: Modelling and field case study*.
- Kelsey, D. E. (2015). *Metamorphism as a tectonic tool*. Paper presented at the Australia–China Tectonics Research Centre meeting of “The amalgamation of Gondwana and Asia”, Northwest University, Xi'an, China.
- Keshavarz, A., Badalyan, A., Carageorgos, T., Bedrikovetsky, P., & Johnson, R. J. (2015). *Graded proppant injection into coal seam gas and shale gas reservoirs for well stimulation*. Paper presented at the SPE European Formation Damage Conference and Exhibition, Budapest, Hungary.
- Keshavarz, A., Badalyan, A., Carageorgos, T., Johnson, R. L., & G Bedrikovetsky, P. (2015/01/01). *Effect of suspension fluid chemistry on fracture system stimulation using micro-sized proppant placement*.
- Keshavarz, A., Badalyan, A., Johnson, R., & Bedrikovetsky, P. (2015/01/01). *Stimulation of unconventional reservoirs using graded proppant injection*.
- Keshavarz, A., Badalyan, A., Ray, J., & Bedrikovetsky, P. (2015/01/01). *A new technique for enhancing hydraulic fracturing treatment in unconventional reservoirs*.
- Khanna, A. S., & Kotoussov, A. (2015/08/04). *Model for Interfacial Defects in Snow Layers*. Paper presented at the The 4th International Conference on Advances in Mechanics Engineering, Madrid, Spain.
- Khanna, A. S., & Kotoussov, A. (2015/08/04). *Numerical Implementation of an Interfacial Edge Dislocation Solution in a Multi-Layered Medium*. Paper presented at the ICAMME 2015 : 17th International Conference on Applied Mechanics and Mechanical Engineering, Stockholm, Sweden.
- Kirch, T., Medwell, P. R., & Birzer, C. H. (2015). *Assessment of natural draft combustion properties of a top-lit up-draft research furnace*. Paper presented at the Australian Combustion Symposium, Melbourne.
- Kontonikas-Charos, A., Ciobanu, C. L., Cook, N. J., Ehrig, K., & Kamenetsky, V. S. (2015/01/01). *Deuteric Coarsening and Albitization in Hiltaba Granites from the Olympic Dam IOCG Deposit, South Australia*. Paper presented at the 13th SGA Biennial Meeting on Mineral Resources in a Sustainable World, Nancy, FRANCE.
- Kordjazi, A., Pooya Nejad, F., & Jaksa, M. B. (2015). *The evaluation of ultimate axial-loading capacity of piles using artificial intelligence methods*. Paper presented at the XVI European Conference on Soil Mechanics and Geotechnical Engineering (ECSMGE), Edinburgh, UK.

- Kordjazi, A., Pooya Nejad, F., & Jaksa, M. B. (2015). *Prediction of load-carrying capacity of piles using a support vector machine and improved data collection*. Paper presented at the 12th Australia New Zealand Conference on Geomechanics (ANZ 2015), Wellington, NZ.
- Kostecki, R., Heng, S., Ebendorff-Heidepriem, H., Abell, A., & Monro, T. (2015/06//). *Thin-Film Polymer Functionalization of Optical Fiber Enabling Multiligand Chemosensing*. Paper presented at the 8th International Conference on Materials for Advanced Technologies & 4th Photonics Global Conference, Singapore.
- Krieger, L., & Grigoli, F. (2015). *Optimal correction of data from misoriented multi-component geophysical sensors*. Paper presented at the International Symposium on Recent Advances in Exploration Geophysics (RAEG), Chiba City, Japan.
- Krneta, S., Ciobanu, C. L., Cook, N. J., Ehrig, K., & Kamenetsky, V. S. (2015/01/01/). *Apatite in the Olympic Dam Fe-Oxide Cu-U-Au-Ag Deposit*. Paper presented at the 13th SGA Biennial Meeting on Mineral Resources in a Sustainable World, Nancy, FRANCE.
- Kueh, K. C. Y., Lau, T., Nathan, G., & Alwahabi, Z. (2015). *Temperature Measurements by Laser-induced Phosphorescence*:
- Effect of Laser Flux Variation*. Paper presented at the 7th Australian Conference on Laser Diagnostics in Fluid Mechanics and Combustion, Melbourne.
- Kulikowski, D., Amrouch, K., Al Barwani, K. H. M., Liu, W., & Cooke, D. (2015). *Insights into the tectonic stress history and regional 4-D natural fracture distribution in the Australian Cooper Basin using Etchecopar's calcite twin stress inversion technique, 2-D/3-D seismic interpretation and natural fracture data from image logs and core*. Paper presented at the 2015 AAPG/SEG International Conference & Exhibition (ICE), Melbourne, Victoria.
- Lane, T. I., Nanson, R. A., Vakarelov, B. V., Ainsworth, R. B., & Rarity, G. F. (2015/09/15/). *Morphology, Sedimentology and Architecture of Megafan-Shoreline Systems: A Case Study of the Mitchell River Delta, Gulf of Carpentaria, Australia*. Paper presented at the AAPG International Conference and Exhibition 2015, Melbourne, Australia.
- Lask, K. M., Medwell, P. R., Birzer, C. H., & Gadgil, A. J. (2015). *Soot reduction in cookstoves due to turbulent mixing*. Paper presented at the Australian Combustion Symposium, Melbourne.
- Lau, T. C., & nathan, G. (2015/12/09/). *The influence of Stokes number on particle clustering within a two-phase turbulent jet*. Paper presented at the 7th Australian Conference on Laser Diagnostics in fluid mechanics and combustion, Melbourne, Australia.
- Leav, O. Y., Cazzolato, B. S., & Howard, C. Q. (2015/01/01/). *Directivity analysis of sound in turbulent exhaust jets with laminar cross-flow: A numerical study*.
- Li, B., Shen, C., Dai, Y., Van Den Hengel, A., & He, M. (2015/10/14/). *Depth and surface normal estimation from monocular images using regression on deep features and hierarchical CRFs*.
- Li, Y., Liu, L., Shen, C., & Van Den Hengel, A. (2015/10/14/). *Mid-level deep pattern mining*.
- Lin, G., Shen, C., Reid, I., & Van Den Hengel, A. (2015/01/01/). *Deeply learning the messages in message passing inference*.
- Liu, L., Shen, C., & Van Den Hengel, A. (2015/10/14/). *The treasure beneath convolutional layers: Cross-convolutional-layer pooling for image classification*.
- Liu, Y., Deng, A., & Jaksa, M. B. (2015). *Discrete element modelling of geocell-reinforced track ballast under static and cyclic loading*. Paper presented at the 12th Australia New Zealand Conference on Geomechanics (ANZ 2015), Wellington, New Zealand.
- Liu, Y. L., Tang, H., Tian, Z. F., & Zheng, H. F. (2015). *CFD simulations of turbulent flows in a twin swirl*

- combustor by RANS and hybrid RANS/LES methods.* Paper presented at the The 12th International Conference on Combustion & Energy Utilisation, Lancaster University.
- Lotfollahi, M., Farajzadeh, R., Delshad, M., Al-Abri, K., Wassing, B. M., Mjeni, R., . . . Bedrikovetsky, P. (2015/01/01). *Mechanistic simulation of polymer injectivity in field tests.* Mahmoud, S., Sun, Z., Dally, B. B., Alwahabie, Z., Medwell, P., & Nathan, G. (2015). *The Effect of Exit Strain Rate on Soot Volume Fraction in Turbulent Non-Premixed Jet Flames.* Paper presented at the Australian Combustion Symposium, Melbourne.
- Mahmoudi, A., Soong, W. L., Pellegrino, G., & Armando, E. (2015/10/27). *Efficiency maps of electrical machines.* Paper presented at the IEEE Energy Conversion Congress and Exposition, Montreal, CANADA.
- Mantopoulos, A., Marques, D. A., Hunt, S. P., Ng, S., Fei, Y., & Haghghi, M. (2015). *Best practice and lessons learned for the development and calibration of integrated production models for the Cooper Basin, Australia.* Paper presented at the Asia Pacific Oil & Gas Conference and Exhibition (APOGCE), Bali, Indonesia.
- McAuley, J., Targett, C., Shi, Q., & Van Den Hengel, A. (2015/08/09). *Image-based recommendations on styles and substitutes.*
- Medwell, P. R. (2015). *Improvement of precision and accuracy of temperature imaging in sooting flames using two-line atomic fluorescence (TLAF).* Paper presented at the 7th Australian Conference on Laser Diagnostics in Fluid Mechanics and Combustion, Melbourne.
- Medwell, P. R., Evans, M. J., Chan, Q. N., & Katta, V. R. (2015). *The adequacy of laminar flame calculations for identifying MILD combustion.* Paper presented at the Australian Combustion Symposium, Melbourne.
- Meeuws, F., Holford, S., & Foden, J. (2015). *Geophysical and geochemical constraints on Cretaceous-Cenozoic magmatism along the southern Australian margin.*
- Milan, A. A., Rikke, G., Dick, A., Moeslund, T. B., & Reid, I. (2015/02/18). *Improving Global Multi-target Tracking with Local Updates.* Paper presented at the ECCV 2014 – European Conference on Computer Vision, Zurich Online.
- Milford, M., Lowry, S., Sunderhauf, N., Shirazi, S., Pepperell, E., Upcroft, B., . . . Reid, I. (2015/10/19). *Sequence searching with deep-learnt depth for condition-and viewpoint-invariant route-based place recognition.*
- Mohabuth, M. A., Kotooussov, A., & Ng, C. T. (2015). *Lamb waves in plates subjected to uniaxial stresses.* Paper presented at the ICAMME 2015: 17th International Conference on Applied Mechanics and Mechanical Engineering, Stockholm, Sweden.
- Mohamed, F., Al Hinai, M., Al Nabhani, H., Yu, S., Sarkar, S., & Haghghi, M. (2015/01/01). *Wettability alteration in hydraulically fractured tight sand for flow-back improvement.*
- Munoz, H., Taheri, A., & Chanda, E. (2015). *Experimental assessment of rock-cutting characteristics by strength- and -fracture-driven mechanisms.* Paper presented at the Africa Australia Technical Mining Conference (ATA), Adelaide, SA.
- Naik, S., You, Z., & Bedrikovetsky, P. (2015/01/01). *Effect of wettability alteration on productivity enhancement in unconventional gas reservoirs: Application of nanotechnology.*
- Nakamura, Y., Derakhshan, H., Griffith, M. C., & Magenes, G. (2015). *Estimating the accuracy of single-mode pushover analysis for unreinforced masonry buildings with flexible diaphragms.* Paper presented at the Pacific Earthquake Engineering Conference, Sydney.
- Nanson, R. A., Lane, T. I., Vakarelov, B. V., Ainsworth, R. B., & Rarity, G. F.

- (2015/06/02/). *Downstream Changes in Architecture and Fill of Distributary Channels on a Delta Fed by a Fluvial Megafan: A Case Study From the Mitchell River, Gulf of Carpentaria, Australia.* Paper presented at the AAPG Annual Convention and Exhibition 2015, Denver, Colorado, USA
- Neumann, F., & Sutton, A. M. (2015/07/11/). *Parameterized complexity analysis of evolutionary algorithms.*
- Neumann, F., & Witt, C. (2015/01/01/). *On the runtime of randomized local search and simple evolutionary algorithms for dynamic makespan scheduling.*
- Numan, M. W., Frost, J., Phillips, B. J., & Liebelt, M. (2015/01/01/). *A network-based communication platform for a cognitive computer.*
- Paisitkriangkrai, S., Shen, C., & Van Den Hengel, A. (2015/10/14/). *Learning to rank in person re-identification with metric ensembles.*
- Paisitkriangkrai, S., Sherrah, J., Janney, P., & Van-Den Hengel, A. (2015/10/19/). *Effective semantic pixel labelling with convolutional networks and Conditional Random Fields.* Paper presented at the IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Boston, MA.
- Paul, M. W., Cook, N. J., Ciobanu, C. L., Anderson, J., & Murray, J. (2015/01/01/). *Preliminary Mineralogical Investigations of the Paris Silver Deposit, Northern Eyre Peninsula, South Australia.* Paper presented at the 13th SGA Biennial Meeting on Mineral Resources in a Sustainable World, Nancy, FRANCE.
- Pender, M., Jaksa, M. B., & Holland, A. (2015). *CPT sounding and the scale of variability of Auckland residual soil.* Paper presented at the 12th Australia New Zealand Conference on Geomechanics (ANZ 2015), Wellington, NZ.
- Perez, S., & Karakus, M. (2015). *An artificial neural network approach for the prediction of abrasivity of hard rocks using acoustic emission.* Paper presented at the EUROCK2015, Salzburg, Austria.
- Perez, S., & Karakus, M. (2015). *The influence of mineral contents of granitic rocks on the acoustic emission during single contact abrasivity test.* Paper presented at the 13th International Congress on Rock Mechanics (ISRM), Montreal, Canada.
- Pokalai, K., Haghghi, M., Sarkar, M., Tyiasning, S., & Cooke, D. (2015). *Investigation of the Effects of Near-Wellbore Pressure Loss and Pressure Dependent Leakoff on Flowback during Hydraulic Fracturing with Pre-Existing Natural Fractures.* Paper presented at the SPE/IATMI Asia Pacific Oil & Gas Conference and Exhibition, Nusa Dua, Bali, Indonesia.
- Polyakovskiy, S., & Neumann, F. (2015/01/01/). *Packing while traveling: Mixed integer programming for a class of nonlinear knapsack problems.* Paper presented at the 12th International Conference on Integration of Artificial Intelligence (AI) and Operations Research (OR) Techniques in Constraint Programming (CPAIOR), Barcelona, SPAIN.
- Polyakovskiy, S., & Neumann, F. (2015). *Packing While Traveling: Mixed Integer Programming for a Class of Nonlinear Knapsack Problems.*
- Pourhassan, M., Gao, W., & Neumann, F. (2015/07/11/). *Maintaining 2-approximations for the dynamic vertex cover problem using evolutionary algorithms.* Paper presented at the 17th Genetic and Evolutionary Computation Conference (GECCO), Madrid, SAN MARINO.
- Pourhassan, M., & Neumann, F. (2015/07/11/). *On the impact of local search operators and variable neighbourhood search for the generalized travelling salesperson problem.* Paper presented at the 17th Genetic and Evolutionary Computation Conference (GECCO), Madrid, SAN MARINO.
- Poursoltan, S., & Neumann, F. (2015/01/01/). *A feature-*

- based analysis on the impact of set of constraints for ε -constrained differential evolution.* Paper presented at the 22nd International Conference on Neural Information Processing (ICONIP), Istanbul, TURKEY.
- Poursoltan, S., & Neumann, F. (2015/01/01/). *A feature-based comparison of evolutionary computing techniques for constrained continuous optimisation.* Paper presented at the 22nd International Conference on Neural Information Processing (ICONIP), Istanbul, TURKEY.
- Rajabi, M., Tingay, M., Heidbach, O., & King, R. (2015). *The pattern of in situ stress in onshore basins of New South Wales.* Paper presented at the 2015 AAPG/SEG International Conference & Exhibition (ICE), Melbourne, Australia.
- Rajabi, M., Tingay, M., Heidbach, O., & King, R. C. (2015). *The role of faults and fractures in local and regional perturbation of present-day horizontal stresses - an example from the Clarence-Moreton Basin, eastern Australia.* Paper presented at the 77th EAGE Conference and Exhibition 2015, Madrid, Spain.
- Rajabi, M., Tingay, M., Heidbach, O., King, R. C., & Cooke, D. (2015). *The new release of the Australian stress map: controls on the stress pattern from the plate to field scale.* Paper presented at the 2015 AAPG/SEG International Conference & Exhibition (ICE), Melbourne, Australia.
- Rajabi, M., Tingay, M., King, R., & Cooke, D. (2015/01/01/). *The present-day stress field of Australia: New release of the Australian Stress Map.* Paper presented at the 24th International Geophysical Conference and Exhibition, Perth, Australia.
- Rarity, G. F., Vakarelov, B. V., Ainsworth, R. B., Nanson, R. A., & Lane, T. I. (2015/06/02/). *Process Variability and Morphology of Mouth Bars: Examples From the Modern and Ancient.* Paper presented at the American Association of Petroleum Geologists Annual Convention and Exhibition 2015, Denver, Colorado, U.S.A.
- Robson, A., King, R., & Holford, S. (2015). *3D seismic analysis of normal fault growth and interaction within a gravitational detachment delta system in the Ceduna Sub-Basin, Great Australian Bight.*
- Ruan, Y., Gibson, B. C., Lau, D. W. M., Greentree, A. D., Ji, H., Ebendorff-Heidepriem, H., . . . Monro, T. M. (2015/08/10/). *Atom-photon coupling from nitrogen-vacancy centers embedded in tellurite microspheres.* Paper presented at the Conference on Lasers and Electro-Optics (CLEO), San Jose, CA.
- Saha, M., Chinnici, A., Medwell, P. R., & Dally, B. B. (2015/01/01/). *Numerical investigation of pulverised coal combustion in a self-recuperative MILD combustion furnace.*
- Saha, M., Dally, B., Medwell, P., & Chinnici, A. (2015). *Effect of Turbulence on the MILD Combustion Characteristics of Victorian Brown Coal.* Paper presented at the Australian Combustion Symposium, Melbourne.
- Salmachi, A., Darby, J., & Yarmohammadtooski, Z. (2015). *Estimation of time of peak gas production in coalbed methane wells using production data analysis.* Paper presented at the Asia Pacific Oil & Gas Conference and Exhibition (APOGCE), Bali, Indonesia.
- Salmachi, A., Wainman, C., Rajabi, M., & McCabe, P. (2015). *Effect of volcanic intrusions and mineral matters on desorption characteristics of coals (Case Study).* Paper presented at the Asia Pacific Unconventional Resources Conference and Exhibition (15URCE), Brisbane, QLD.
- Saw, W., Kaniyal, A., Van Eyk, P., Nathan, G., & Ashman, P. (2015/01/01/). *Solar Hybridized Coal-to-liquids via Gasification in Australia: Techno-economic Assessment.* Paper presented at the International Conference on Concentrating Solar Power and Chemical Energy Systems (SolarPACES), Beijing, PEOPLES R CHINA.
- Schembri, T., Zander, A.,

- Kelso, R., & Medwell, P. (2015/01/01). *Non-stationary analysis of noise from a subsonic fluidic jet*.
- Sepulveda Escobedo, E. M., Dowd, P., & Xu, C. (2015/10/23). *Modelling geometallurgical response variables using Projection Pursuit regression*. Paper presented at the 11th International Mineral Processing Conference, Santiago.
- Sergiienko, N., & Chen, L. (2015). *Adaptive head stabilisation system for a snake-like robot*. Paper presented at the Australasian Conference on Robotics and Automation 2014 (ACRA 2014), Melbourne, Australia.
- Setiawan, B., Jaksa, M. B., Griffith, M. C., & Love, D. (2015). *HVSR recording duration for regolith sites: an experimental approach*. Paper presented at the 10th Pacific Conference on Earthquake Engineering (10PCEE2015), Sydney, NSW.
- S hahin, M., & Babar, M. A. (2015/10/01). *Improving the quality of architecture design through peer-reviews and recombination*. Paper presented at the 9th European Conference on Software Architecture (ECSA), Cavtat, CROATIA.
- Sun, Z., Nathan, G., Alwahabi, Z., & Dally, B. (2015). *Numerical assessments of measuring soot aggregates sizes using elastic scattering at two laser wavelengths and one collection angle*. Paper presented at the 7th Australian Conference on Laser Diagnostics in Fluid Mechanics and Combustion, Melbourne.
- Sun, Z. W., Mahmoud, S. M., Dally, B. B., Nathan, G. J., & Alwahabi, Z. T. (2015/01/01). *Soot volume fraction and temperature measurements in laminar C₂H₄ air diffusion flames with H₂ and N₂ blended at atmospheric pressure*.
- Szpak, Z. L., Chojnacki, W., & Van Den Hengel, A. (2015/10/14). *Robust multiple homography estimation: An ill-solved problem*.
- Taheri, A., Yfantidis, N., Lazo Olivares, C. S., Connelly, B. J., & Bastian, T. J. (2015). *Study on strength and deformability of Hawkesbury sandstone subjected to cyclic loading*. Paper presented at the 12th Australia New Zealand Conference on Geomechanics (ANZ 2015), Wellington, New Zealand.
- Tan, M., Shi, Q., Van Den Hengel, A., Shen, C., Gao, J., Hu, F., & Zhang, Z. (2015/10/14). *Learning graph structure for multi-label image classification via clique generation*.
- Tang, D., Chen, L., & Tian, Z. F. (2015). *Neural-network based online policy iteration for continuous-time infinite-horizon optimal control of nonlinear systems*. Paper presented at the 3rd IEEE China Summit & International Conference on Signal and Information processing (ChinaSIP 2015), Chengdu, China.
- Thong, C., Birzer, C., & Dally, B. B. (2015). *Mixing field characteristics of asymmetrical multi-lateral jets injected into a round pipe flow*. Paper presented at the 7th Australian Conference on Laser Diagnostics in Fluid Mechanics and Combustion, Melbourne.
- Thong, C., Dally, B. B., Birzer, C., & Kalt, P. A. M. (2015). *Effect of multi-lateral fuel jet injection on the flow field of Methane-Air turbulent flame*. Paper presented at the Australian Combustion Symposium, Melbourne.
- Vakarelov, B. V., Rarity, G. F., Ainsworth, R. B., Nanson, R. A., & Lane, T. I. (2015/06/02). *A Practical Approach to Hierarchical Marginal Marine Classification Illustrated With Modern and Ancient Examples*. Paper presented at the AAPG Annual Convention and Exhibition 2015, Denver, Colorado, USA
<http://www.searchanddiscover.com/abstracts/html/2015/90216ace/abstracts/2104078.html>
- Van Den Hengel, A., Russell, C., Dick, A., Bastian, J., Pooley, D., Fleming, L., & Agapito, L. (2015/10/14). *Part-based modelling of compound scenes from*

- images.
- Vaz, A. S., Maffra, D., Carageorgos, T., & Bedrikovetsky, P. (2015/01/01). *Characterisation of formation damage systems from laboratory coreflood pressure measurements.*
- Vu, H. X., Davey, S. J., Arulampalam, S., Fletcher, F. K., & Lim, C. C. (2015/01/01). *Histogram-PMHT with an evolving Poisson prior.* Paper presented at the 40th IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Brisbane, AUSTRALIA.
- Walsh, K., Dizhur, D., Derakhshan, H., Griffith, M. C., & Ingham, J. (2015). *Out-of-plane seismic assessment of Icay brick masonry cavity walls considering different boundary conditions.* Paper presented at the North American Masonry Conference, Denver.
- Wang, C., Chan, Q., Kook, S., Hawkes, E. R., Medwell, P. R., & Lee, J. (2015). *Development of an in-flame thermophoretic soot sampling device.* Paper presented at the Australian Combustion Symposium, Melbourne.
- Wang, C., Chan, Q. N., Kook, S., Hawkes, E. R., Medwell, P. R., & Lee, J. (2015). *External Irradiation Effect on the Evolution of In-Flame Soot Species.* Paper presented at the Australian Combustion Symposium, Melbourne.
- Wang, H., Medwell, P. R., Birzer, C. H., Van Eyk, P. J., & Tian, Z. F. (2015/01/01). *Investigation of smouldering combustion of biomass fuel.*
- Wang, H., Pardo-Igúzquiza, E., & Dowd, P. A. (2015/01/01). *On testing the hypothesis of constant global mean in geostatistics.*
- Wang, K., Peng, X., Du, Z., Haghghi, M., & Sayyafzadeh, M. (2015). *DFN model for flow simulation in hydraulically fractured wells with pre-existing natural fractures using unstructured quadrilateral grids.* Paper presented at the Asia Pacific Unconventional Resources Conference and Exhibition (15URCE), Brisbane, QLD.
- Wang, P., Shen, C., & Van Den Hengel, A. (2015/10/14). *Efficient SDP inference for fully-connected CRFs based on low-rank decomposition.*
- Wang, Z., Motheau, E., & Abraham, J. (2015). *Equivalence ratio effects on turbulent premixed flames in lean methane/air mixtures.* Paper presented at the Australian Combustion Symposium, Melbourne.
- Ward, B., Bastian, J., Van Den Hengel, A., Pooley, D., Bari, R., Berger, B., & Tester, M. (2015/01/01). *A model-based approach to recovering the structure of a plant from images.* Paper presented at the 13th European Conference on Computer Vision (ECCV), Zurich, SWITZERLAND.
- Wawryk, C. M., Foden, J. D., & Garwin, S. L. (2015/03/18). *Iron Isotope Fractionation in Magmatic-hydrothermal Minerals - A Porphyry Copper Case Study from the Batu Hijau Deposit, Sumbawa, Indonesia.* Paper presented at the PACRIM 2015 Congress, Hong Kong.
- Welsh, M. B., & Begg, S. H. (2015). *Reducing overconfidence in forecasting with repeated judgement elicitation.* Paper presented at the 37th Annual Meeting of the Cognitive Science Society, Austin, Texas.
- Wen, X., Chung, S., Gupta, N., Xia, H., Feng, Y., Shrestha, S., . . . Conibeer, G. (2015/12/14). *Ultrafast transient absorption study of hot carrier dynamics in hafnium nitride and zirconium nitride.* Paper presented at the IEEE 42nd Photovoltaic Specialist Conference (PVSC), New Orleans, LA.
- Williams, M. A., Hand, M., & Kelsey, D. E. (2015). *What's under the ice in eastern Antarctica: understanding cryptic polymetamorphism through correlations with Australia.* Paper presented at the Granulites and Granulites 2015, Arebbusch Travel Lodge, Windhoek, Namibia.
- Xu, Y., Liang, P., & Babar, M. A. (2015/01/01). *Introducing learning mechanism for class responsibility assignment problem.*
- Ye, J., Medwell, P. R., & Evans, M. (2015). *Quantitative Rayleigh*

- temperature imaging in turbulent flames of prevapourised n-heptane.* Paper presented at the 7th Australian Conference on Laser Diagnostics in Fluid Mechanics and Combustion, Melbourne.
- Ye, J., Medwell, P. R., Evans, M. J., & Dally, B. B. (2015). *The impact of carrier gas on ethanol flame behaviour in a Jet in Hot Coflow (JHC) burner.* Paper presented at the Australian Combustion Symposium, Melbourne.
- You, Z., Badalyan, A., Yang, Y., Carageorgos, T., Schacht, U., & Bedrikovetski, P. (2015). *New laboratory method to assess formation damage in geothermal wells.* Paper presented at the SPE European Formation Damage Conference and Exhibition, Budapest, Hungary.
- You, Z., & Bedrikovetsky, P. (2015/01/01). *Depth distribution of gas rates from temperature and pressure profiles in unconventional gas wells.*
- You, Z., & Bedrikovetsky, P. (2015/01/01). *Prediction of gas rates from different layers by temperature distributions in wells: Application to unconventional fields.*
- Yu, H., Shi, P., & Lim, C. C. (2015/11//). *Distributed formation control with limited sensing ranges and scalability.* Paper presented at the Control Conference (AUCC), 2015 5th Australian, Gold Coast, QLD.
- Zeinijahromi, A., Ahmetgareev, V., & Bedrikovetsky, P. (2015/01/01). *Case study of 25 years of low salinity water injection.*
- Zeinijahromi, A., & Bedrikovetski, P. (2015/01/01). *Controlling excessive water production using induced formation damage.*
- Zeinijahromi, A., & Bedrikovetsky, P. (2015/01/01). *Fines-migration-assisted oil and gas recovery (low salinity water injection).*
- Zhang, W., Yang, Y., Xiao, J., Liu, X., & Babar, M. A. (2015/08/24). *Ant colony algorithm based scheduling for handling software project delay.*
- Zhao, C., Fumeaux, C., Kaufmann, T., Zhu, Y., Horrestani, A. K., & Lim, C. C. (2015). *A General Design Method for Band-pass Post Filters in Rectangular Waveguide and Substrate Integrated Waveguide.* Paper presented at the 2015 International Symposium on Antennas and Propagation (ISAP), Hobart, Tasmania, Australia.
- Zhao, C., Fumeaux, C., Kaufmann, T., Zhu, Y., & Lim, C. C. (2015/12/06). *Mode matching analysis of dimension for single-mode operation of shielded microstrip lines.* Paper presented at the 2015 Asia-Pacific Microwave Conference (APMC), Nanjing, China.
- Zhao, C., Fumeaux, C., & Lim, C. C. (2015/12//). *Losses in substrate integrated waveguide bandpass post filters.* Paper presented at the 2015 Asia-Pacific Microwave Conference (APMC), Nanjing, China.
- Zhao, C., Kaufmann, T., Zhu, Y., & Lim, C. C. (2015/02/17). *Approximation methods for cylindrical posts in rectangular waveguides with mode matching technique.* Paper presented at the 2014 IEEE Asia-Pacific Conference on Applied Electromagnetics, APACE 2014, Johor Bahru, Malaysia.
- Zhou, Y., Zhang, H., Huang, X., Yang, S., Babar, M. A., & Tang, H. (2015/04/27//). *Quality assessment of systematic reviews in software engineering: A tertiary study.*
- Zhu, S., Kikkert, C. J., & Ertugrul, N. (2015/01/01). *Software for control and calibration of an inductive shunt on-line impedance analyzer.*

Books and Book Chapters

Aw, M. S., Bariana, M., & Lasic, D. (2015). Nanoporous anodic alumina for drug delivery and biomedical applications. In D. Lasic & A. Santos (Eds.), *Nanoporous Alumina: Fabrication, Structure, Properties and Applications* (pp. 319-354). Switzerland: Springer.

Chen, S., Liu, J., & Qiao, S. Z. (2015). Heteroatom-Doped Nanoporous Carbon for Electrocatalysis. In X. Feng (Ed.), *Nanocarbons for Advanced Energy Conversion (Volume 2)* (pp. 43-74). Weinheim: Wiley.

Cremers, D., Reid, I., Saito, H., & Yang, M. H. (2015). *Computer Vision – ACCV 2014: 12th Asian Conference on Computer Vision Singapore, Singapore, November 1–5, 2014 Revised Selected Papers, Part II*. Switzerland: Springer.

Dai, S. (2015). Natural cationic polymers for advanced gene and drug delivery. In S. K. Samal & P. Dubrule (Eds.), *Cationic Polymers in Regenerative Medicine* (pp. 557-582). Cambridge, UK: The Royal Society of Chemistry.

Ergas, H., & Pincus, J. J. (2015). Infrastructure and colonial socialism. In S. Ville & D. Oxley (Eds.), *The Cambridge Economic History of Australia* (pp. 222-244). Port Melbourne: Cambridge University Press.

Garcia-Periera, H., De Sousa, A. J., Ribeiro, J., Salgueiro, R., & Dowd, P. A. (2015). *Correspondence Analysis as a modelling tool*. Lisbon, Portugal: IST Press.

Gulati, K., Kogawa, M., Maher, S., Atkins, G., Findlay, D., & Lasic, D. (2015). Titania nanotubes for local drug delivery from implant surfaces. In D. Lasic & A. Santos (Eds.), *Electrochemically Engineered Nanoporous Materials: Methods, Properties and Applications* (pp. 307-355). Switzerland: Springer.

Howard, C. Q., & Cazzolato, B. S. (2015). *Acoustic Analyses Using Matlab® and Ansys®* (Vol. 1). United States: Taylor & Francis.

Jani, A. M. M., Yazid, H., Habiballah, A. S., Mahmud, A. H., & Lasic, D. (2015). Soft and hard surface manipulation of nanoporous anodic aluminum oxide (AAO). In D. Lasic & A. Santos (Eds.), *Nanoporous Alumina: Fabrication, Structure, Properties and Applications* (pp. 155-184). Switzerland: Springer.

Jayasuriya, K. (2015). Beyond the culturalist problematic: Towards a global social science in the Asian Century? In C. Johnson, V. Mackie & T. Morris-Suzuki (Eds.), *The social sciences in the Asian century* (pp. 81-96). Canberra: ANU Press.

Lasic, D., & Santos, A. (2015). Preface to

'Electrochemically Engineered Nanoporous Materials'. In D. Lasic & A. Santos (Eds.),

Electrochemically Engineered Nanoporous Materials (pp. v-vi): Springer.

Neumann, F., Witt, C., Merz, P., Coello Coello, C. A., Bartz-Beielstein, T., Schütze, O., . . . Raidl, G. (2015). Part e evolutionary computation *Springer Handbook of Computational Intelligence* (pp. 823-824).

Scott, B. T., & Jaksa, M. B. (2015). A field-based study of the effectiveness of rolling dynamic compaction. In B. Indraratna, J. Chu & C. Rujikiakamorn (Eds.), *Ground Improvement Case Histories: Compaction, Grouting and Geosynthetics* (Vol. 1st edition, pp. 429-452). Kidlington, Oxford: Elsevier.

Wawryk, A. S. (2015). Petroleum Regulation in an International Context: the Universality of Petroleum Regulation and the Concept of Lex Petrolea. In T. Hunter (Ed.), *Regulation of the Upstream Petroleum Sector: A Comparative Study of Licensing and Concession Systems* (Vol. 1st edition, pp. 3-35). Cheltenham, UK: Edward Elgar Publishing Limited.

Whitfield, D., & Spoehr, J. (2015). Alternatives to Austerity. In K. Farnsworth & Z. Irving (Eds.), *Social policy in times of austerity: Towards a new international political*

economy of welfare (Vol. 1st edition, pp. 113-142). Bristol, UK: Policy Press.

Zargar, M., Jin, B., & Dai, S. (2015). Development and application of reverse osmosis for separation. In K. Hu & J. Dickson (Eds.), *Membrane Processing for Dairy Ingredient Separation* (pp. 139-175). Chichester: John Wiley & Sons.