

Fancey K S, 'Viscoelastically prestressed polymeric matrix composites: An overview', *Journal of Reinforced Plastics and Composites*, 35, pp 1290–1301 (2016)

Wang B, Tan D, Lee T L, Khong J C, Wang F, Eskin D, Connolley T, Fezzaa K, Mi J, 'Ultrafast synchrotron X-ray imaging studies of microstructure fragmentation in solidification under ultrasound', *Acta Materialia*, vol 144, pp 505-515 (2018)

Khong J C, Daisenberger D, Burca G, Kockelmann W, Tremsin A S, Mi J, 'Design and Characterisation of Metallic Glassy Alloys of High Neutron Shielding Capability', *Scientific Reports*, 6, article no 36998, doi:10.1038/srep36998 (2016)

Núñez-Sánchez S, López-García M, Murshidy M M, Abdel-Hady A G, Serry M Y, Adawi A M, Rarity J G, Oulton R, Barnes W L, 'Excitonic Optical Tamm States: a step towards a full molecular-dielectric photonic integration', *ACS Photonics*, 3, pp 743-748 (2016)

Cheng F, Marshall E S, Young A J, Robinson P J, Bouillard J-S G, Adawi A M, Vermeulen N A, Farha O K, Reithofer M R, Chin J M, 'Magnetic Control of MOF Crystal Orientation and Alignment', *Chemistry: A European Journal*, doi:10.1002/chem.201703812 (2017)

Atif M, Dyer P E, Paget T A, Snelling H V, Stringer M R, 'Two-photon excitation studies of m-THPC photosensitizer and photodynamic activity in an epithelial cell line', *Photodiagnosis and Photodynamic Therapy*, 4(2), pp 106-11 (2007)

M. Rey, A. D. Law, D. M. A. Buzza, N. Vogel, 'Anisotropic Self-Assembly from Isotropic Colloidal Building Blocks', *Journal of the American Chemical Society*, 139, pp 17464-17473, DOI: 10.1021/jacs.7b08503 (2017)

Jaafar AH, Gray RJ, Verrelli E, O'Neill M, Kelly SM and Kemp NT, "Reversible optical switching memristors with tunable STDP synaptic plasticity: a route to hierarchical control in artificial intelligent systems" *Nanoscale*, 9, 17091 (2017)

A. O. Solovieva, Y.A. Vorotnikov, K.E. Trifonova, O.A. Efremova, A.A. Krasilnikova, K.A. Brylev, E.V. Vorontsova, P.A. Avrorov, L.V. Shestopalova, A.F. Poveshchenko, Y.V. Mironov, M.A. Shestopalova, 'Cellular internalisation, bioimaging and dark and photodynamic cytotoxicity of silica nanoparticles doped by {Mo6I8}4+ metal cluster', *Journal of Materials Chemistry B*, 2016, 4, 4839-4846

['Structure and Electronic Properties of the Quasi-One-Dimensional Ba2Co1-xZnxS3 Series'](#), M. R. Harrison, A. Maignan, V. Hardy, O. Lebedev, N. A. Young and M. G. Francesconi\*, *Inorganic Chemistry*, 2017, 56 (1), 213-223 DOI: 10.1021/acs.inorgchem.6b02014

Thompson B R, Horozov T S, Stoyanov S D and Paunov V N, 'An ultra melt-resistant hydrogel from food grade carbohydrates', *RSC Advances*, 7, pp 45535–45544 (2017)

Richter A P, Brown J S, Bharti B, Wang A, Gangwal S, Houck K, Cohen Hubal E A, Paunov V N, Stoyanov S D, Velev O D, 'An Environmentally Benign Antimicrobial

Nanoparticle Based on a Silver-Infused Lignin Core', *Nature Nanotechnology*, 10, pp 817-823 (2015)

Halbus A F, Horozov T S, Paunov V N, 'Colloid Particle Formulations for Antimicrobial Applications', *Advances in Colloid and Interface Science*, doi: 10.1016/j.cis.2017.05.012 (2017)

Redshaw C et al, '[Structure of Schiff-base \[2+2\] Macrocycles Derived from 2,2'-Oxydianiline and the ROP Capability of their Organoaluminium Complexes](#)', *Dalton Transactions*, 45, pp 11990-12005 (2016)

Redshaw C et al, '[Vanadium\(V\) Oxo and Imido Calix\[8\]arene Complexes: Synthesis, Structural Studies and Ethylene Homo-\(Co-\)Polymerisation Capability](#)', *Chemistry - A European Journal*, 21, pp 5199-5210 (2015)

V. N. Panov, S. P. Sreenilayam, Yuri P. Panarin, J.K. Vij, C. Welch, G. H. Mehl, 'Characterisation of the sub-micrometer hierarchy levels in the twist-bend nematic phase with nanometric helices via photopolymerization. Explanation for the sign reversal in the polar response', *Nano Letters*, 17, pp 7515–7519; DOI: 10.1021/acs.nanolett.7b03441 (2017)

W. D. Stevenson, Z. Ahmed, X. B. Zeng, C. Welch, G. Ungar and G. H. Mehl, 'Molecular organisation in the twist-bend nematic phase by resonant X-ray scattering at the Se K-edge', *PCCP*, 19, pp 13449-13454, DOI: 10.1039/C7CP01404J (2017)