# Derek Michael Forrester

List of Publications by Year
in descending order



| 25 | 211 | 1039880 9 | 1058333 14 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 26 | 26 | 26 | 180 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Modelling viscous boundary layer dissipation effects in liquid surrounding individual solid nano and micro-particles in an ultrasonic field. Scientific Reports, 2019, 9, 4956. | 1.6 | 2 |
| 2 | The absorption of ultrasound in emulsions: computational modelling of thermal effects. Scientific Reports, 2018, 8, 12486. | 1.6 | 3 |
| 3 | Multiple scattering in random dispersions of spherical scatterers: Effects of shear-acoustic interactions. Journal of the Acoustical Society of America, 2017, 141, 649-660. | 0.5 | 16 |
| 4 | Morphological imperfections of epitaxial graphene: from a hindrance to the generation of new photo-responses in the visible domain. Nanoscale, 2017, 9, 11463-11474. | 2.8 | 11 |
| 5 | Rapid reproduction of complex images in graphite by laser etching and exfoliation. AIMS Materials Science, 2017, 4, 413-420. | 0.7 | 0 |
| 6 | Characterisation of colloidal dispersions using ultrasound spectroscopy and multiple-scattering theory inclusive of shear-wave effects. Chemical Engineering Research and Design, 2016, 114, 69-78. | 2.7 | 16 |
| 7 | The emergence of superconducting systems in Anti-de Sitter space. Journal of High Energy Physics, 2016, 2016, 1. | 1.6 | 0 |
| 8 | Whispering galleries and the control of artificial atoms. Scientific Reports, 2016, 6, 25084. | 1.6 | 3 |
| 9 | The emergence of quantum capacitance in epitaxial graphene. Journal of Materials Chemistry C, 2016, 4, 5829-5838. | 2.7 | 13 |
| 10 | Experimental verification of nanofluid shear-wave reconversion in ultrasonic fields. Nanoscale, 2016, 8, 5497-5506. | 2.8 | 39 |
| 11 | Ultrasound Propagation in Concentrated Suspensions: Shear-mediated Contributions to Multiple Scattering. Physics Procedia, 2015, 70, 213-216. | 1.2 | 5 |
| 12 | Shear-mediated contributions to the effective properties of soft acoustic metamaterials including negative index. Scientific Reports, 2015, 5, 18562. | 1.6 | 10 |
| 13 | Arrays of coupled chemical oscillators. Scientific Reports, 2015, 5, 16994. | 1.6 | 32 |
| 14 | Self-assembled multi-ring formations of glutamine and a possible link to erythema gyratum repens. Medical Hypotheses, 2015, 85, 10-16. | 0.8 | 4 |
| 15 | Confinement effects of levitons in a graphene cosmology laboratory. RSC Advances, 2015, 5, 5442-5449. | 1.7 | 7 |
| 16 | Designing magnetic superlattices that are composed of single domain nanomagnets. Beilstein Journal of Nanotechnology, 2014, 5, 956-963. | 1.5 | 1 |
| 17 | The nanoâ€mechanics and magnetic properties of high moment synthetic antiferromagnetic particles. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 884-889. | 0.8 | 4 |
| 18 | Graphene levitons and anti-levitons in magnetic fields. Nanoscale, 2014, 6, 7594-7603. | 2.8 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Switching dynamics of doped CoFeB trilayers and a comparison to the quasistatic approximation. Physical Review B, 2013, 87, . | 1.1 | 4 |
| 20 | Fundamental design paradigms for systems of three interacting magnetic nanodiscs. Applied Physics Letters, 2011, 98, 163113. | 1.5 | 3 |
| 21 | ASTROID CURVES FOR A SYNTHETIC ANTIFERROMAGNETIC STACK IN AN APPLIED MAGNETIC FIELD. International Journal of Modern Physics B, 2009, 23, 4021-4040. | 1.0 | 2 |
| 22 | Astroid curves of high-moment antiferromagnetic nanoparticles with tunable magnetic properties. Journal of Magnetism and Magnetic Materials, 2009, 321, 903-905. | 1.0 | 2 |
| 23 | ASTROID CURVES FOR A SYNTHETIC ANTIFERROMAGNETIC STACK IN AN APPLIED MAGNETIC FIELD. , 2009, , . | | 0 |
| 24 | Two-particle element for magnetic memory. Physical Review B, 2007, 76, . | 1.1 | 7 |
| 25 | Magnetic cellular automata and the formation of glassy and magnetic structures from a chain of magnetic particles. Physical Review B, 2007, 75, . | 1.1 | 11 |