

Hugh Doyle

List of Publications by Year in descending order

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41
papers

2,838
citations

331259

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329751

37
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43
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43
docs citations

43
times ranked

4198
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Selective Optical Detection of Fe ³⁺ Ions in Aqueous Solution Using Label-Free Silicon Nanocrystals. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1900034.	1.2	5
2	Tuning the Photoluminescence of Germanium Nanocrystals through Surface Bound Functional Groups. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600303.	1.2	13
3	Widening the bandwidth of vibration energy harvesters using a liquid-based non-uniform load distribution. <i>Sensors and Actuators A: Physical</i> , 2016, 246, 170-179.	2.0	43
4	Size Controlled Synthesis of Germanium Nanocrystals: Effect of Ge Precursor and Hydride Reducing Agent. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-9.	1.5	19
5	Indium tin oxide-silicon nanocrystal nanocomposite grown by aerosol assisted chemical vapour deposition. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 666-672.	1.1	3
6	Germanium nanocrystals as luminescent probes for rapid, sensitive and label-free detection of Fe ³⁺ ions. <i>Nanoscale</i> , 2015, 7, 5488-5494.	2.8	20
7	Neutral red retention time assay in determination of toxicity of nanoparticles. <i>Marine Environmental Research</i> , 2015, 111, 158-161.	1.1	21
8	Luminescent Optical Detection of Volatile Electron Deficient Compounds by Conjugated Polymer Nanofibers. <i>Analytical Chemistry</i> , 2015, 87, 4421-4428.	3.2	12
9	Efficient one-pot synthesis of monodisperse alkyl-terminated colloidal germanium nanocrystals. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	10
10	Size Controlled Synthesis of Silicon Nanocrystals Using Cationic Surfactant Templates. <i>Small</i> , 2014, 10, 584-590.	5.2	21
11	Proteomic evaluation of citrate-coated silver nanoparticles toxicity in <i>Daphnia magna</i> . <i>Analyst</i> , The, 2014, 139, 1678-1686.	1.7	51
12	Efficient one-pot synthesis of highly monodisperse carbon quantum dots. <i>RSC Advances</i> , 2014, 4, 18-21.	1.7	37
13	A bottom-up fabrication method for the production of visible light active photonic crystals. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1675-1682.	2.7	9
14	Size and emission color tuning in the solution phase synthesis of highly luminescent germanium nanocrystals. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3562-3568.	2.7	24
15	Size controlled synthesis of carbon quantum dots using hydride reducing agents. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6025-6031.	2.7	46
16	Solution reduction synthesis of amine terminated carbon quantum dots. <i>RSC Advances</i> , 2014, 4, 12094-12097.	1.7	28
17	Gold Nanoparticles and Oxidative Stress in the Blue Mussel, <i>Mytilus edulis</i> . <i>Methods in Molecular Biology</i> , 2013, 1028, 197-203.	0.4	4
18	Silicon nanocrystals: Novel synthesis routes for photovoltaic applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 649-657.	0.8	8

#	ARTICLE	IF	CITATIONS
19	Synthesis and Compositional Control of Size Monodisperse Si _x Ge _{1-x} Nanocrystals for Optoelectronic Applications. Materials Research Society Symposia Proceedings, 2013, 1551, 11-16.	0.1	0
20	Size Controlled Synthesis of Silicon Nanocrystals within Inverse Micelles. Materials Research Society Symposia Proceedings, 2013, 1546, 1.	0.1	3
21	Effect of nanoparticles on ferroelectric and electrical properties of novel PMNT thin-films. Thin Solid Films, 2011, 519, 5800-5803.	0.8	4
22	Evaluation of process parameters and nanoparticle seeding of sol-gel derived lead-magnesium-niobium titanate thin films. Advances in Applied Ceramics, 2011, 110, 490-495.	0.6	0
23	Exposure of the blue mussel, Mytilus edulis, to gold nanoparticles and the pro-oxidant menadione. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 151, 167-174.	1.3	57
24	Oxidative stress and toxicity of gold nanoparticles in Mytilus edulis. Aquatic Toxicology, 2010, 100, 178-186.	1.9	264
25	Formation and Electrical Interfacing of Nanocrystal-Molecule Nanostructures. Materials Research Society Symposia Proceedings, 2009, 1154, 1.	0.1	0
26	Toward Portable Instrumentation for Quantitative Cocaine Detection with Lab-on-a-Paper and Hybrid Optical Readout. Procedia Chemistry, 2009, 1, 999-1002.	0.7	13
27	Gold nanoparticles and oxidative stress in Mytilus edulis. Marine Environmental Research, 2008, 66, 131-133.	1.1	107
28	Emission Colour Tuning in Semiconducting Polymer Nanotubes by Energy Transfer to Organo-Lanthanide Dopants. Advanced Materials, 2007, 19, 2474-2479.	11.1	36
29	Detection of nitroaromatic compounds based on photoluminescent side chain polymers. , 2005, 5990, 195.		5
30	Near-infrared electroluminescent devices based on colloidal HgTe quantum dot arrays. Applied Physics Letters, 2005, 86, 201114.	1.5	61
31	A potential and ion switched molecular photonic logic gate. Chemical Communications, 2005, , 3918.	2.2	58
32	Effect of Base Stacking on the Relative Thermodynamic Stability of Oligonucleotide Complexes: A Spectroscopic Study. Journal of Biomolecular Structure and Dynamics, 2004, 22, 195-203.	2.0	1
33	Near-Field Optical Addressing of Luminescent Photoswitchable Supramolecular Systems Embedded in Inert Polymer Matrices. Nano Letters, 2004, 4, 835-839.	4.5	31
34	Title is missing!. Helvetica Chimica Acta, 2002, 85, 2594-2607.	1.0	14
35	Competing interactions in dispersions of superparamagnetic nanoparticles. Physical Review B, 2001, 64, .	1.1	145
36	Monodisperse 3d Transition-Metal (Co,Ni,Fe) Nanoparticles and Their Assembly into Nanoparticle Superlattices. MRS Bulletin, 2001, 26, 985-991.	1.7	510

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37	Crystalline, Shape, and Surface Anisotropy in Two Crystal Morphologies of Superparamagnetic Cobalt Nanoparticles by Ferromagnetic Resonance. <i>Journal of Physical Chemistry B</i> , 2001, 105, 7913-7919.	1.2	72
38	Colloidal synthesis of nanocrystals and nanocrystal superlattices. <i>IBM Journal of Research and Development</i> , 2001, 45, 47-56.	3.2	968
39	New Aspects of Nanocrystal Research. <i>MRS Bulletin</i> , 2001, 26, 981-984.	1.7	31
40	Controlled Assembly of Monodisperse γ -Cobalt-Based Nanocrystals. <i>Materials Research Society Symposia Proceedings</i> , 1999, 577, 385.	0.1	48
41	Determination of band edge energies for transparent nanocrystalline TiO ₂ /CdS sandwich electrodes prepared by electrodeposition. <i>Solar Energy Materials and Solar Cells</i> , 1995, 39, 83-98.	3.0	36