Gemma-Louise Davies

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3272237/publications.pdf

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36	1,067	430874	414414
papers	citations	18 h-index	32 g-index

38	38	38	1940
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Environmentally responsive MRI contrast agents. Chemical Communications, 2013, 49, 9704.	4.1	122
2	Recent developments in Pickering emulsions for biomedical applications. Current Opinion in Colloid and Interface Science, 2019, 39, 173-189.	7.4	113
3	Preparation of multifunctional nanoparticles and their assemblies. Nature Protocols, 2012, 7, 1677-1693.	12.0	103
4	The immobilisation of chiral organocatalysts on magnetic nanoparticles: the support particle cannot always be considered inert. Organic and Biomolecular Chemistry, 2011, 9, 7929.	2.8	85
5	Length-dependent pathogenic effects of nickel nanowires in the lungs and the peritoneal cavity. Nanotoxicology, 2012, 6, 899-911.	3.0	66
6	Magnetic Nanoparticles to Recover Cellular Organelles and Study the Time Resolved Nanoparticleâ€€Cell Interactome throughout Uptake. Small, 2014, 10, 3307-3315.	10.0	59
7	Location-tuned relaxivity in Gd-doped mesoporous silica nanoparticles. Journal of Materials Chemistry, 2012, 22, 22848.	6.7	53
8	Rare Earth Doped Silica Nanoparticles via Thermolysis of a Single Source Metallasilsesquioxane Precursor. Scientific Reports, 2017, 7, 45862.	3.3	36
9	Comparative Flow Cytometric Analysis of Immunofunctionalized Nanowire and Nanoparticle Signatures. Small, 2010, 6, 247-255.	10.0	32
10	Mechanisms of silver nanoparticle toxicity on the marine cyanobacterium Prochlorococcus under environmentally-relevant conditions. Science of the Total Environment, 2020, 747, 141229.	8.0	31
11	Preparation and size optimisation of silica nanoparticles using statistical analyses. Chemical Physics Letters, 2009, 468, 239-244.	2.6	30
12	Environmentally relevant concentrations of titanium dioxide nanoparticles pose negligible risk to marine microbes. Environmental Science: Nano, 2021, 8, 1236-1255.	4.3	29
13	High signal contrast gating with biomodified Gd doped mesoporous nanoparticles. Chemical Communications, 2013, 49, 60-62.	4.1	25
14	Isothermally-Responsive Polymers Triggered by Selective Binding of Fe³⁺ to Siderophoric Catechol End-Groups. ACS Macro Letters, 2014, 3, 1225-1229.	4.8	25
15	pH-Responsive nanocomposite fibres allowing MRI monitoring of drug release. Journal of Materials Chemistry B, 2020, 8, 7264-7274.	5.8	25
16	Synthesis and characterisation of glucose-functional glycopolymers and gold nanoparticles: study of their potential interactions with ovine red blood cells. Carbohydrate Research, 2015, 405, 47-54.	2.3	24
17	Effects of long-term exposure of gelatinated and non-gelatinated cadmium telluride quantum dots on differentiated PC12 cells. Journal of Nanobiotechnology, 2012, 10, 4.	9.1	22
18	Siderophore-inspired nanoparticle-based biosensor for the selective detection of Fe³⁺. Journal of Materials Chemistry B, 2015, 3, 270-275.	5.8	21

#	Article	IF	Citations
19	NMR Relaxation of Water in Nanostructures: Analysis of Ferromagnetic Cobalt-Ferrite Polyelectrolyte Nanocomposites. ChemPhysChem, 2011, 12, 772-776.	2.1	19
20	Heparin-stabilised iron oxide for MR applications: a relaxometric study. Journal of Materials Chemistry B, 2016, 4, 3065-3074.	5.8	19
21	Towards white luminophores: developing luminescent silica on the nanoscale. Journal of Materials Chemistry, 2012, 22, 7358.	6.7	17
22	Theranostics for MRIâ€guided therapy: Recent developments. View, 2022, 3, 20200134.	5.3	17
23	SiO2-coated layered gadolinium hydroxides for simultaneous drug delivery and magnetic resonance imaging. Journal of Solid State Chemistry, 2020, 286, 121291.	2.9	14
24	Investigating the Impact of Cerium Oxide Nanoparticles Upon the Ecologically Significant Marine Cyanobacterium Prochlorococcus. Frontiers in Marine Science, 2021, 8, .	2.5	13
25	Engineering Cytochromeâ€Modified Silica Nanoparticles To Induce Programmed Cell Death. Chemistry - A European Journal, 2013, 19, 17891-17898.	3.3	11
26	Polydopamine-coated nanocomposite theranostic implants for localized chemotherapy and MRI imaging. International Journal of Pharmaceutics, 2022, 615, 121493.	5.2	10
27	Exploring precision polymers to fine-tune magnetic resonance imaging properties of iron oxide nanoparticles. Journal of Colloid and Interface Science, 2020, 579, 401-411.	9.4	9
28	Layered terbium hydroxides for simultaneous drug delivery and imaging. Dalton Transactions, 2021, 50, 10275-10290.	3.3	7
29	Ligation driven ¹⁹F relaxation enhancement in self-assembled Ln(<scp>iii</scp>) complexes. Chemical Communications, 2015, 51, 2918-2920.	4.1	6
30	Magnetically activated adhesives: towards on-demand magnetic triggering of selected polymerisation reactions. Chemical Science, 2017, 8, 7758-7764.	7.4	6
31	Thermo-responsive nano-in-micro particles for MRI-guided chemotherapy. Materials Science and Engineering C, 2022, , 112716.	7.3	6
32	Controlled synthesis of SPION@SiO₂ nanoparticles using design of experiments. Materials Advances, 2022, 3, 6007-6018.	5.4	6
33	The effect of formulation morphology on stimuli-triggered co-delivery of chemotherapeutic and MRI contrast agents. International Journal of Pharmaceutics, 2021, 609, 121155.	5.2	4
34	Gadolinium Doped Layered Double Hydroxides for Simultaneous Drug Delivery and Magnetic Resonance Imaging. Journal of Cluster Science, 2023, 34, 385-394.	3.3	2
35	Fabrication and characterisation of photonic nanowires. , 2008, , .		0
36	Correction: Heparin-stabilised iron oxide for MR applications: a relaxometric study. Journal of Materials Chemistry B, 2016, 4, 5628-5628.	5.8	0