

# Gemma-Louise Davies

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,067  
citations

430754

18  
h-index

414303

32  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1940  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmentally responsive MRI contrast agents. <i>Chemical Communications</i> , 2013, 49, 9704.	2.2	122
2	Recent developments in Pickering emulsions for biomedical applications. <i>Current Opinion in Colloid and Interface Science</i> , 2019, 39, 173-189.	3.4	113
3	Preparation of multifunctional nanoparticles and their assemblies. <i>Nature Protocols</i> , 2012, 7, 1677-1693.	5.5	103
4	The immobilisation of chiral organocatalysts on magnetic nanoparticles: the support particle cannot always be considered inert. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7929.	1.5	85
5	Length-dependent pathogenic effects of nickel nanowires in the lungs and the peritoneal cavity. <i>Nanotoxicology</i> , 2012, 6, 899-911.	1.6	66
6	Magnetic Nanoparticles to Recover Cellular Organelles and Study the Time Resolved Nanoparticle-Cell Interactome throughout Uptake. <i>Small</i> , 2014, 10, 3307-3315.	5.2	59
7	Location-tuned relaxivity in Gd-doped mesoporous silica nanoparticles. <i>Journal of Materials Chemistry</i> , 2012, 22, 22848.	6.7	53
8	Rare Earth Doped Silica Nanoparticles via Thermolysis of a Single Source Metallasilsesquioxane Precursor. <i>Scientific Reports</i> , 2017, 7, 45862.	1.6	36
9	Comparative Flow Cytometric Analysis of Immunofunctionalized Nanowire and Nanoparticle Signatures. <i>Small</i> , 2010, 6, 247-255.	5.2	32
10	Mechanisms of silver nanoparticle toxicity on the marine cyanobacterium <i>Prochlorococcus</i> under environmentally-relevant conditions. <i>Science of the Total Environment</i> , 2020, 747, 141229.	3.9	31
11	Preparation and size optimisation of silica nanoparticles using statistical analyses. <i>Chemical Physics Letters</i> , 2009, 468, 239-244.	1.2	30
12	Environmentally relevant concentrations of titanium dioxide nanoparticles pose negligible risk to marine microbes. <i>Environmental Science: Nano</i> , 2021, 8, 1236-1255.	2.2	29
13	High signal contrast gating with biomodified Gd doped mesoporous nanoparticles. <i>Chemical Communications</i> , 2013, 49, 60-62.	2.2	25
14	Isothermally-Responsive Polymers Triggered by Selective Binding of Fe <sup>3+</sup> to Siderophoric Catechol End-Groups. <i>ACS Macro Letters</i> , 2014, 3, 1225-1229.	2.3	25
15	pH-Responsive nanocomposite fibres allowing MRI monitoring of drug release. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7264-7274.	2.9	25
16	Synthesis and characterisation of glucose-functional glycopolymers and gold nanoparticles: study of their potential interactions with ovine red blood cells. <i>Carbohydrate Research</i> , 2015, 405, 47-54.	1.1	24
17	Effects of long-term exposure of gelatinated and non-gelatinated cadmium telluride quantum dots on differentiated PC12 cells. <i>Journal of Nanobiotechnology</i> , 2012, 10, 4.	4.2	22
18	Siderophore-inspired nanoparticle-based biosensor for the selective detection of Fe <sup>3+</sup> . <i>Journal of Materials Chemistry B</i> , 2015, 3, 270-275.	2.9	21

#	ARTICLE	IF	CITATIONS
19	NMR Relaxation of Water in Nanostructures: Analysis of Ferromagnetic Cobalt-Ferrite Polyelectrolyte Nanocomposites. <i>ChemPhysChem</i> , 2011, 12, 772-776.	1.0	19
20	Heparin-stabilised iron oxide for MR applications: a relaxometric study. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3065-3074.	2.9	19
21	Towards white luminophores: developing luminescent silica on the nanoscale. <i>Journal of Materials Chemistry</i> , 2012, 22, 7358.	6.7	17
22	Theranostics for MRI-guided therapy: Recent developments. <i>View</i> , 2022, 3, 20200134.	2.7	17
23	SiO <sub>2</sub> -coated layered gadolinium hydroxides for simultaneous drug delivery and magnetic resonance imaging. <i>Journal of Solid State Chemistry</i> , 2020, 286, 121291.	1.4	14
24	Investigating the Impact of Cerium Oxide Nanoparticles Upon the Ecologically Significant Marine Cyanobacterium <i>Prochlorococcus</i> . <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	13
25	Engineering Cytochrome-c Modified Silica Nanoparticles To Induce Programmed Cell Death. <i>Chemistry - A European Journal</i> , 2013, 19, 17891-17898.	1.7	11
26	Polydopamine-coated nanocomposite theranostic implants for localized chemotherapy and MRI imaging. <i>International Journal of Pharmaceutics</i> , 2022, 615, 121493.	2.6	10
27	Exploring precision polymers to fine-tune magnetic resonance imaging properties of iron oxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 401-411.	5.0	9
28	Layered terbium hydroxides for simultaneous drug delivery and imaging. <i>Dalton Transactions</i> , 2021, 50, 10275-10290.	1.6	7
29	Ligation driven <sup>19</sup> F relaxation enhancement in self-assembled Ln(III) complexes. <i>Chemical Communications</i> , 2015, 51, 2918-2920.	2.2	6
30	Magnetically activated adhesives: towards on-demand magnetic triggering of selected polymerisation reactions. <i>Chemical Science</i> , 2017, 8, 7758-7764.	3.7	6
31	Thermo-responsive nano-in-micro particles for MRI-guided chemotherapy. <i>Materials Science and Engineering C</i> , 2022, , 112716.	3.8	6
32	Controlled synthesis of SPION@SiO <sub>2</sub> nanoparticles using design of experiments. <i>Materials Advances</i> , 2022, 3, 6007-6018.	2.6	6
33	The effect of formulation morphology on stimuli-triggered co-delivery of chemotherapeutic and MRI contrast agents. <i>International Journal of Pharmaceutics</i> , 2021, 609, 121155.	2.6	4
34	Gadolinium Doped Layered Double Hydroxides for Simultaneous Drug Delivery and Magnetic Resonance Imaging. <i>Journal of Cluster Science</i> , 2023, 34, 385-394.	1.7	2
35	Fabrication and characterisation of photonic nanowires. , 2008, , .		0
36	Correction: Heparin-stabilised iron oxide for MR applications: a relaxometric study. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5628-5628.	2.9	0