

Joseph C Bear

List of Publications by Year in descending order

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34
papers

914
citations

430874

18
h-index

454955

30
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35
all docs

35
docs citations

35
times ranked

1911
citing authors

#	ARTICLE	IF	CITATIONS
1	Ring-fused dimethoxybenzimidazole-benzimidazolequinone (DMBBQ): tunable halogenation and quinone formation using NaX/Oxone. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2716-2724.	2.8	3
2	Influence of Solvent in Crystal Engineering: A Significant Change to the Order–Disorder Transition in Ferrocene. <i>Journal of the American Chemical Society</i> , 2020, 142, 1731-1734.	13.7	8
3	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.	9.4	9
4	Surface Interactions and Mechanisms Study on the Removal of Iodide from Water by Use of Natural Zeolite-Based Silver Nanocomposites. <i>Nanomaterials</i> , 2020, 10, 1156.	4.1	21
5	Radio-metal cross-linking of alginate hydrogels for non-invasive in vivo imaging. <i>Biomaterials</i> , 2020, 243, 119930.	11.4	29
6	pH-Responsive nanocomposite fibres allowing MRI monitoring of drug release. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7264-7274.	5.8	25
7	Catalytic Oxidation of Methylene Blue by Use of Natural Zeolite-Based Silver and Magnetite Nanocomposites. <i>Processes</i> , 2020, 8, 471.	2.8	13
8	In situ formation of low molecular weight organogelators for slick solidification. <i>RSC Advances</i> , 2020, 10, 13369-13373.	3.6	2
9	Surface radio-mineralisation mediates chelate-free radiolabelling of iron oxide nanoparticles. <i>Chemical Science</i> , 2019, 10, 2592-2597.	7.4	15
10	Chemically Treated 3D Printed Polymer Scaffolds for Biomineral Formation. <i>ACS Omega</i> , 2018, 3, 4342-4351.	3.5	24
11	A new family of urea-based low molecular-weight organogelators for environmental remediation: the influence of structure. <i>Soft Matter</i> , 2018, 14, 8821-8827.	2.7	11
12	Active removal of waste dye pollutants using Ta ₃ N ₅ /W ₁₈ O ₄₉ nanocomposite fibres. <i>Scientific Reports</i> , 2017, 7, 4090.	3.3	29
13	Nanoscale, conformal films of graphitic carbon nitride deposited at room temperature: a method for construction of heterojunction devices. <i>Nanoscale</i> , 2017, 9, 16586-16590.	5.6	20
14	Understanding the Effect of Functional Groups on the Seeded Growth of Copper on Carbon Nanotubes for Optimizing Electrical Transmission. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27202-27212.	8.0	11
15	Enhancing the Antibacterial Activity of Light-Activated Surfaces Containing Crystal Violet and ZnO Nanoparticles: Investigation of Nanoparticle Size, Capping Ligand, and Dopants. <i>ACS Omega</i> , 2016, 1, 334-343.	3.5	41
16	[{VOCl ₂ (CH ₂ (COOEt) ₂)} ₄] as a molecular precursor for thermochromic monoclinic VO ₂ thin films and nanoparticles. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10453-10463.	5.5	6
17	Magnetic hyperthermia controlled drug release in the GI tract: solving the problem of detection. <i>Scientific Reports</i> , 2016, 6, 34271.	3.3	23
18	A SPION-eicosane protective coating for water soluble capsules: Evidence for on-demand drug release triggered by magnetic hyperthermia. <i>Scientific Reports</i> , 2016, 6, 20271.	3.3	19

#	ARTICLE	IF	CITATIONS
19	Advanced Compositional Analysis of Nanoparticle-polymer Composites Using Direct Fluorescence Imaging. Journal of Visualized Experiments, 2016, , .	0.3	1
20	SWCNT photocathodes sensitised with InP/ZnS core-shell nanocrystals. Journal of Materials Chemistry C, 2016, 4, 3379-3384.	5.5	15
21	Superhydrophobic Au/polymer nanocomposite films via AACVD/swell encapsulation tandem synthesis procedure. RSC Advances, 2016, 6, 31146-31152.	3.6	10
22	On-demand, magnetic hyperthermia-triggered drug delivery: optimisation for the GI tract. Journal of Materials Chemistry B, 2016, 4, 1704-1711.	5.8	15
23	Doping Group IIB Metal Ions into Quantum Dot Shells via the One-pot Decomposition of Metal-dithiocarbamates. Advanced Optical Materials, 2015, 3, 704-712.	7.3	19
24	Nanoparticle-sulphur inverse vulcanisation-polymer composites. Chemical Communications, 2015, 51, 10467-10470.	4.1	35
25	Bi-phasic titanium dioxide nanoparticles doped with nitrogen and neodymium for enhanced photocatalysis. Nanoscale, 2015, 7, 17735-17744.	5.6	11
26	Anatase/rutile bi-phasic titanium dioxide nanoparticles for photocatalytic applications enhanced by nitrogen doping and platinum nano-islands. Journal of Colloid and Interface Science, 2015, 460, 29-35.	9.4	26
27	Laser-generated ultrasound with optical fibres using functionalised carbon nanotube composite coatings. Applied Physics Letters, 2014, 104, .	3.3	101
28	Visible Light Photocatalytic Activity in AACVD-Prepared N-modified TiO ₂ Thin Films. Chemical Vapor Deposition, 2014, 20, 91-97.	1.3	14
29	Photocatalytic Evidence of the Rutile-Anatase Electron Transfer in Titania. Advanced Materials Interfaces, 2014, 1, 1400069.	3.7	43
30	Copper-Doped CdSe/ZnS Quantum Dots: Controllable Photoactivated Copper(I) Cation Storage and Release Vectors for Catalysis. Angewandte Chemie - International Edition, 2014, 53, 1598-1601.	13.8	58
31	A low cost synthesis method for functionalised iron oxide nanoparticles for magnetic hyperthermia from readily available materials. Faraday Discussions, 2014, 175, 83-95.	3.2	12
32	Organic-inorganic hybrid materials: nanoparticle containing organogels with myriad applications. Chemical Communications, 2014, 50, 14418-14420.	4.1	28
33	A general method for the incorporation of nanoparticles into superhydrophobic films by aerosol assisted chemical vapour deposition. Journal of Materials Chemistry A, 2013, 1, 4336.	10.3	47
34	Superhydrophobic Photocatalytic Surfaces through Direct Incorporation of Titania Nanoparticles into a Polymer Matrix by Aerosol Assisted Chemical Vapor Deposition. Advanced Materials, 2012, 24, 3505-3508.	21.0	167