

Eamonn J Devlin

List of Publications by Year in descending order

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31
papers

988
citations

471061

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33
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33
times ranked

1767
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#	ARTICLE	IF	CITATIONS
1	LAPONITE® nanodisk- Fe_3O_4 nanoparticles: a biocompatible nano-hybrid with ultrafast magnetic hyperthermia and MRI contrast agent ability. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4935-4943.	2.9	4
2	Size effects on the magnetic behavior of Fe_3O_4 core/ SiO_2 shell nanoparticle assemblies. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 522, 167570.	1.0	9
3	Magnetically separable $\text{TiO}_2/\text{CoFe}_2\text{O}_4/\text{Ag}$ nanocomposites for the photocatalytic reduction of hexavalent chromium pollutant under UV and artificial solar light. <i>Chemical Engineering Journal</i> , 2020, 381, 122730.	6.6	88
4	Chemically synthesized nanoparticles of iron and iron-carbides. <i>RSC Advances</i> , 2020, 10, 28958-28964.	1.7	8
5	One-Dimensional Looped Chain and Two-Dimensional Square Grid Coordination Polymers: Encapsulation of Bis(1,2,4-Triazole)-trans-cyclohexane into the Voids. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 543-543.	1.0	0
6	Enhancing the Ordering and Coercivity of L10 FePt Nanostructures with Bismuth Additives for Applications Ranging from Permanent Magnets to Catalysts. <i>ACS Applied Nano Materials</i> , 2019, 2, 3146-3153.	2.4	20
7	Iron carbide nanoplatelets: colloidal synthesis and characterization. <i>Nanoscale Advances</i> , 2019, 1, 4476-4480.	2.2	11
8	Photocatalysis as an advanced reduction process (ARP): The reduction of 4-nitrophenol using titania nanotubes-ferrite nanocomposites. <i>Journal of Hazardous Materials</i> , 2019, 372, 37-44.	6.5	66
9	Mixed matrix polymeric and carbon hollow fiber membranes with magnetic iron-based nanoparticles and their application in gas mixture separation. <i>Materials Chemistry and Physics</i> , 2019, 223, 220-229.	2.0	26
10	One-Dimensional Looped Chain and Two-Dimensional Square Grid Coordination Polymers: Encapsulation of Bis(1,2,4-Triazole)-trans-cyclohexane into the Voids. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 585-591.	1.0	14
11	Crystal engineering of a series of complexes and coordination polymers based on pyrazole-carboxylic acid ligands. <i>New Journal of Chemistry</i> , 2017, 41, 8232-8241.	1.4	26
12	Enrichment and oral bioaccessibility of selected trace elements in fly ash-derived magnetic components. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2337-2349.	2.7	8
13	Increase of the blocking temperature of Fe/Ag granular multilayers with increasing number of the layers. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 386-390.	1.0	2
14	Biotechnological promises of Fe-filled CNTs for cell shepherding and magnetic fluid hyperthermia applications. <i>Nanoscale</i> , 2015, 7, 20474-20488.	2.8	18
15	Effect of nanoconfinement on the formation, structural transition and magnetic behavior of mesoporous copper ferrite. <i>Journal of Alloys and Compounds</i> , 2014, 598, 191-197.	2.8	18
16	Magnetic properties of crystalline mesoporous Zn-substituted copper ferrite synthesized under nanoconfinement in silica matrix. <i>Microporous and Mesoporous Materials</i> , 2014, 190, 346-355.	2.2	27
17	Structure and magnetic properties of $\text{Zn}_x\text{In}_{1-x}\text{Fe}_2\text{O}_4$ and $\text{Zn}_y\text{Fe}_{2-y}\text{O}_4$ nanoparticles prepared by coprecipitation. <i>Ceramics International</i> , 2013, 39, 3235-3242.	2.3	24
18	First structurally characterized self-assembly of bipodal N-thiophosphorylated bis-thiourea with Coll: magnetic properties and thermal decomposition. <i>Dalton Transactions</i> , 2013, 42, 5532.	1.6	6

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19	New Mononuclear Cu(II) Complexes and 1D Chains with 4-Amino-4H-1,2,4-triazole. International Journal of Molecular Sciences, 2013, 14, 23597-23613.	1.8	13
20	Microwave reduction of a nickeliferous laterite ore. Minerals Engineering, 2012, 34, 19-29.	1.8	31
21	Experimental and Theoretical Mössbauer Study of an Extended Family of $[\text{Fe}_{8/4}(\mu_4\text{-O})_4(\mu_4\text{-R-px})_{12}\text{X}_4]$ Clusters. Inorganic Chemistry, 2011, 50, 1021-1029.	1.9	18
22	Phase transformations of nickeliferous laterites during preheating and reduction with carbon monoxide. Journal of Thermal Analysis and Calorimetry, 2010, 100, 133-139.	2.0	41
23	Synthesis of Biocompatible Magnetic Iron Oxide (Fe_3O_4 and Fe_2O_3) Nanoparticles by a Modified Polyol Process for Biomedical Applications. Materials Research Society Symposia Proceedings, 2010, 1256, 1.	0.1	2
24	Facile Synthesis of Fe_2O_3 Nanocrystals without $\text{Fe}(\text{CO})_5$ Precursor and One-Pot Synthesis of Highly Fluorescent $\text{Fe}_2\text{O}_3/\text{CdSe}$ Nanocomposites. Advanced Materials, 2009, 21, 869-873.	11.1	57
25	Interparticle interactions in magnetic core/shell nanoarchitectures. Physical Review B, 2009, 80, .	1.1	61
26	Bifunctional $\text{Fe}_3\text{O}_4/\text{Ag}$ Heterodimer Nanoparticles for Two-Photon Fluorescence Imaging and Magnetic Manipulation. Advanced Materials, 2008, 20, 4403-4407.	11.1	258
27	No Aging Phenomena in Ferrofluids: The Influence of Coating on Interparticle Interactions of Maghemite Nanoparticles. ACS Nano, 2008, 2, 977-983.	7.3	24
28	Magnetically Modified Single and Turbostratic Stacked Graphenes from Tris(2,2'-bipyridyl) Iron(II) Ion-Exchanged Graphite Oxide. Journal of Physical Chemistry B, 2008, 112, 14461-14469.	1.2	42
29	Direct Chemical Synthesis of Li_0FePt Nanostructures. Chemistry of Materials, 2007, 19, 1898-1900.	3.2	24
30	Characterization, electrical and magnetic properties of polyaniline/maghemite nanocomposites. Nanotechnology, 2006, 17, 5019-5026.	1.3	27
31	Nanoscale magnetism in the chalcogenide spinel FeCr_2S_4 : Common origin of colossal magnetoresistivity. Physical Review B, 2002, 66, .	1.1	15