

Eamonn J Devlin

List of Publications by Year in descending order

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31
papers

988
citations

471061

17
h-index

454577

30
g-index

33
all docs

33
docs citations

33
times ranked

1767
citing authors

#	ARTICLE	IF	CITATIONS
1	Bifunctional Fe ₃ O ₄ -Ag Heterodimer Nanoparticles for Two-Photon Fluorescence Imaging and Magnetic Manipulation. <i>Advanced Materials</i> , 2008, 20, 4403-4407.	11.1	258
2	Magnetically separable TiO ₂ /CoFe ₂ O ₄ /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
3	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
4	Interparticle interactions in magnetic core/shell nanoarchitectures. <i>Physical Review B</i> , 2009, 80, .	1.1	61
5	Facile Synthesis of Fe ₂ O ₃ Nanocrystals without Fe(CO) ₅ Precursor and One-Pot Synthesis of Highly Fluorescent Fe ₂ O ₃ -CdSe Nanocomposites. <i>Advanced Materials</i> , 2009, 21, 869-873.	11.1	57
6	Magnetically Modified Single and Turbostratic Stacked Graphenes from Tris(2,2'-bipyridyl) Iron(II) Ion-Exchanged Graphite Oxide. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14461-14469.	1.2	42
7	Phase transformations of nickeliferous laterites during preheating and reduction with carbon monoxide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 133-139.	2.0	41
8	Microwave reduction of a nickeliferous laterite ore. <i>Minerals Engineering</i> , 2012, 34, 19-29.	1.8	31
9	Characterization, electrical and magnetic properties of polyaniline/maghemite nanocomposites. <i>Nanotechnology</i> , 2006, 17, 5019-5026.	1.3	27
10	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
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	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
13	Direct Chemical Synthesis of L10FePt Nanostructures. <i>Chemistry of Materials</i> , 2007, 19, 1898-1900.	3.2	24
14	No Aging Phenomena in Ferrofluids: The Influence of Coating on Interparticle Interactions of Maghemite Nanoparticles. <i>ACS Nano</i> , 2008, 2, 977-983.	7.3	24
15	Structure and magnetic properties of Zn _{1-x} In _x Fe ₂ O ₄ and Zn _y Fe _{2-2y} O ₄ nanoparticles prepared by coprecipitation. <i>Ceramics International</i> , 2013, 39, 3235-3242.	2.3	24
16	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
17	Experimental and Theoretical Mössbauer Study of an Extended Family of [Fe ₈ (¹ / ₄ -O) ₄ (¹ / ₄ -R-px) ₁₂ X ₄] Clusters. <i>Inorganic Chemistry</i> , 2011, 50, 1021-1029.	1.9	18
18	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

#	ARTICLE	IF	CITATIONS
19	Biotechnological promises of Fe-filled CNTs for cell shepherding and magnetic fluid hyperthermia applications. <i>Nanoscale</i> , 2015, 7, 20474-20488.	2.8	18
20	Nanoscale magnetism in the chalcogenide spinel FeCr_2S_4 : Common origin of colossal magnetoresistivity. <i>Physical Review B</i> , 2002, 66, .	1.1	15
21	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
22	New Mononuclear Cu(II) Complexes and 1D Chains with 4-Amino-4H-1,2,4-triazole. <i>International Journal of Molecular Sciences</i> , 2013, 14, 23597-23613.	1.8	13
23	Iron carbide nanoplatelets: colloidal synthesis and characterization. <i>Nanoscale Advances</i> , 2019, 1, 4476-4480.	2.2	11
24	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
25	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
26	Chemically synthesized nanoparticles of iron and iron-carbides. <i>RSC Advances</i> , 2020, 10, 28958-28964.	1.7	8
27	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
28	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
29	Synthesis of Biocompatible Magnetic Iron Oxide (Fe_3O_4 and Fe_2O_3) Nanoparticles by a Modified Polyol Process for Biomedical Applications. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1256, 1.	0.1	2
30	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
31	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