

Andrea Ardu

List of Publications by Year in descending order

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33
papers

1,606
citations

304368

22
h-index

395343

33
g-index

33
all docs

33
docs citations

33
times ranked

2585
citing authors

#	ARTICLE	IF	CITATIONS
1	Studying the effect of Zn-substitution on the magnetic and hyperthermic properties of cobalt ferrite nanoparticles. <i>Nanoscale</i> , 2016, 8, 10124-10137.	2.8	176
2	Interparticle Interactions and Magnetic Anisotropy in Cobalt Ferrite Nanoparticles: Influence of Molecular Coating. <i>Chemistry of Materials</i> , 2012, 24, 1062-1071.	3.2	172
3	CoFe ₂ O ₄ and CoFe ₂ O ₄ /SiO ₂ Core/Shell Nanoparticles: Magnetic and Spectroscopic Study. <i>Chemistry of Materials</i> , 2010, 22, 3353-3361.	3.2	160
4	Beyond the Effect of Particle Size: Influence of CoFe ₂ O ₄ Nanoparticle Arrangements on Magnetic Properties. <i>Chemistry of Materials</i> , 2013, 25, 2005-2013.	3.2	112
5	Spherical Nanoporous Assemblies of Iso-Oriented Cobalt Ferrite Nanoparticles: Synthesis, Microstructure, and Magnetic Properties. <i>Chemistry of Materials</i> , 2008, 20, 6364-6371.	3.2	88
6	Magnetic interactions in silica coated nanoporous assemblies of CoFe ₂ O ₄ nanoparticles with cubic magnetic anisotropy. <i>Nanotechnology</i> , 2010, 21, 315701.	1.3	69
7	ZnO/SBA-15 composites for mid-temperature removal of H ₂ S: Synthesis, performance and regeneration studies. <i>Fuel</i> , 2012, 102, 691-700.	3.4	66
8	Colloidal Bi ₂ S ₃ Nanocrystals: Quantum Size Effects and Midgap States. <i>Advanced Functional Materials</i> , 2014, 24, 3341-3350.	7.8	65
9	Spinel Ferrite Core-Shell Nanostructures by a Versatile Solvothermal Seed-Mediated Growth Approach and Study of Their Nanointerfaces. <i>ACS Nano</i> , 2017, 11, 7889-7900.	7.3	59
10	Magnetic Properties of Small Magnetite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23378-23384.	1.5	57
11	MCM-41 support for ultrasmall ⁵⁷ Fe ₂ O ₃ nanoparticles for H ₂ S removal. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21688-21698.	5.2	51
12	Surfactant-assisted route to fabricate CoFe ₂ O ₄ individual nanoparticles and spherical assemblies. <i>Journal of Colloid and Interface Science</i> , 2010, 343, 415-422.	5.0	49
13	Synthesis and melting behaviour of Bi, Sn and Sn-Bi nanostructured alloy. <i>Journal of Alloys and Compounds</i> , 2015, 623, 7-14.	2.8	49
14	MeO _x /SBA-15 (Me = Zn, Fe): highly efficient nanosorbents for mid-temperature H ₂ S removal. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19396-19406.	5.2	48
15	Effect of the preparation conditions on the performance of TiO ₂ nanotube arrays obtained by electrochemical oxidation. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8894-8901.	3.8	36
16	Hierarchical Formation Mechanism of CoFe ₂ O ₄ Mesoporous Assemblies. <i>ACS Nano</i> , 2015, 9, 7277-7286.	7.3	30
17	Dialkylamide as Both Capping Agent and Surfactant in a Direct Solvothermal Synthesis of Magnetite and Titania Nanoparticles. <i>Crystal Growth and Design</i> , 2015, 15, 2364-2372.	1.4	29
18	Bifunctional FePt@MWCNTs/Ru Nanoarchitectures: Synthesis and Characterization. <i>Chemistry of Materials</i> , 2012, 24, 3393-3400.	3.2	28

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19	SPION@liposomes hybrid nanoarchitectures with high density SPION association. <i>Soft Matter</i> , 2011, 7, 6239.	1.2	26
20	Combination of grape extract-silver nanoparticles and liposomes: A totally green approach. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 97, 62-69.	1.9	26
21	Hydrothermal synthesis, characterization, and magnetic properties of cobalt chromite nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	25
22	Simple and fast preparation of pure maghemite nanopowders through sol-gel self-combustion. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 60, 266-274.	1.1	22
23	Surface Effects Under Visible Irradiation and Heat Treatment on the Phase Stability of Fe_2O_3 Nanoparticles and $\text{Fe}_2\text{O}_3/\text{SiO}_2$ Core-Shell Nanostructures. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2857-2866.	1.5	22
24	Much More Than a Glass: The Complex Magnetic and Microstructural Properties of Obsidian. <i>Journal of Physical Chemistry C</i> , 2016, 120, 27635-27645.	1.5	21
25	Luminescence enhancement by energy transfer in melamine- $\text{Y}_2\text{O}_3:\text{Tb}^{3+}$ nanohybrids. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	20
26	Fe_2O_3 -M41S Sorbents for H_2S Removal: Effect of Different Porous Structures and Silica Wall Thickness. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12231-12242.	1.5	20
27	High efficient fluorescent stable colloidal sealed dye-doped mesostructured silica nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2016, 225, 432-439.	2.2	19
28	Core-shell nano-architectures: The incorporation mechanism of hydrophobic nanoparticles into the aqueous core of a microemulsion. <i>Journal of Colloid and Interface Science</i> , 2013, 407, 67-75.	5.0	13
29	Atomistic Modeling of Morphology and Electronic Properties of Colloidal Ultrathin Bi_2S_3 Nanowires. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16913-16919.	1.5	13
30	Synthesis of L10 alloy nanoparticles. Potential and versatility of the pre-ordered Precursor Reduction strategy. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156156.	2.8	11
31	Tuning hard and soft magnetic FePt nanocomposites. <i>Journal of Alloys and Compounds</i> , 2016, 663, 601-609.	2.8	10
32	Colloidal synthesis and characterization of Bi_2S_3 nanoparticles for photovoltaic applications. <i>Journal of Physics: Conference Series</i> , 2014, 566, 012017.	0.3	9
33	Stabilization of the high coercivity $\mu\text{Fe}_2\text{O}_3$ phase in the $\mu\text{Fe}_2\text{O}_3/\text{SiO}_2$ core-shell nanostructures. <i>Journal of Solid State Chemistry</i> , 2012, 191, 136-141.	1.4	5