Hossein Beygi

List of Publications by Year
in descending order

19	739	840585 11	794469 19
papers	citations	h-index	g-index

19	19	19	943
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coordination mechanism of cyanine dyes on the surface of core@active shell Î²-NaGdF₄:Yb³⁺,Er³⁺ nanocrystals and its role in enhancing upconversion luminescence. Journal of Materials Chemistry C, 2021, 9, 16313-16323.	2.7	10
2	Rapid consolidation of Al2O3-TiO2-Co nanocermets via spark plasma sintering of Co-coated ceramic particles. Journal of Alloys and Compounds, 2019, 771, 79-88.	2.8	7
3	Air exposure oxidation and photooxidation of solution-phase treated PbS quantum dot thin films and solar cells. Solar Energy Materials and Solar Cells, 2019, 203, 110163.	3.0	11
4	Effect of metal coating of reinforcements on the microstructure and mechanical properties of Al-Al₂O₃ nanocomposites. Materials Science and Technology, 2018, 34, 145-152.	0.8	21
5	Magnetic properties of crystalline nickel and low phosphorus amorphous Ni1-XPx nanoparticles. Materials Chemistry and Physics, 2018, 204, 403-409.	2.0	10
6	Surface chemistry of as-synthesized and air-oxidized PbS quantum dots. Applied Surface Science, 2018, 457, 1-10.	3.1	80
7	Low-temperature pressureless sintering of Al2O3-SiC-Ni nanocermets in air environment. Ceramics International, 2018, 44, 18156-18163.	2.3	9
8	Halide-, Hybrid-, and Perovskite-Functionalized Light Absorbing Quantum Materials of pâ€“iâ€“n Heterojunction Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 30283-30295.	4.0	6
9	Solution phase surface functionalization of PbS nanoparticles with organic ligands for single-step deposition of p-type layer of quantum dot solar cells. Applied Surface Science, 2018, 459, 562-571.	3.1	18
10	Dichlorodimethylsilane mediated one-step synthesis of hydrophilic and hydrophobic silica nanoparticles. Advanced Powder Technology, 2017, 28, 932-937.	2.0	25
11	Microemulsion synthesis and magnetic properties of Fe Ni(1â^') alloy nanoparticles. Journal of Magnetism and Magnetic Materials, 2017, 421, 177-183.	1.0	31
12	A statistical approach to synthesis of functionally modified silica nanoparticles. Journal of Alloys and Compounds, 2016, 654, 308-314.	2.8	16
13	Process Control Strategies for Dual-Phase Steel Manufacturing Using ANN and ANFIS. Journal of Materials Engineering and Performance, 2014, 23, 3975-3983.	1.2	7
14	Synthesis and characterization of permalloy-reinforced Al2O3 nanocomposite powders by mechanical alloying. International Journal of Advanced Manufacturing Technology, 2014, 70, 1653-1659.	1.5	2
15	Microstructural analysis and mechanical characterization of aluminum matrix nanocomposites reinforced with uncoated and Cu-coated alumina particles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 607, 81-88.	2.6	25
16	Fabrication of FeNiâ€“Al2O3 nanocomposites and optimization of mechanical properties using Taguchi method. Powder Technology, 2012, 232, 49-57.	2.1	21
17	Modeling the electroless nickel deposition on aluminum nanoparticles. Applied Surface Science, 2012, 258, 7744-7750.	3.1	33
18	An optimization analysis on electroless deposition of Al2O3/Cu core-shell nanostructures. Applied Surface Science, 2012, 261, 166-173.	3.1	24

#	Article	IF	Citations
19	Microstructure and mechanical properties of Alâ€“Al2O3 micro and nano composites fabricated by stir casting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 8765-8771.	2.6	383