

Hossein Beygi

List of Publications by Year in descending order

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19
papers

739
citations

840585

11
h-index

794469

19
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19
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19
docs citations

19
times ranked

943
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and mechanical properties of Al ⁺ Al ₂ O ₃ micro and nano composites fabricated by stir casting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 8765-8771.	2.6	383
2	Surface chemistry of as-synthesized and air-oxidized PbS quantum dots. <i>Applied Surface Science</i> , 2018, 457, 1-10.	3.1	80
3	Modeling the electroless nickel deposition on aluminum nanoparticles. <i>Applied Surface Science</i> , 2012, 258, 7744-7750.	3.1	33
4	Microemulsion synthesis and magnetic properties of Fe Ni(1 ⁺) alloy nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 421, 177-183.	1.0	31
5	Microstructural analysis and mechanical characterization of aluminum matrix nanocomposites reinforced with uncoated and Cu-coated alumina particles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 607, 81-88.	2.6	25
6	Dichlorodimethylsilane mediated one-step synthesis of hydrophilic and hydrophobic silica nanoparticles. <i>Advanced Powder Technology</i> , 2017, 28, 932-937.	2.0	25
7	An optimization analysis on electroless deposition of Al ₂ O ₃ /Cu core-shell nanostructures. <i>Applied Surface Science</i> , 2012, 261, 166-173.	3.1	24
8	Fabrication of FeNi ⁺ Al ₂ O ₃ nanocomposites and optimization of mechanical properties using Taguchi method. <i>Powder Technology</i> , 2012, 232, 49-57.	2.1	21
9	Effect of metal coating of reinforcements on the microstructure and mechanical properties of Al-Al ₂ O ₃ nanocomposites. <i>Materials Science and Technology</i> , 2018, 34, 145-152.	0.8	21
10	Solution phase surface functionalization of PbS nanoparticles with organic ligands for single-step deposition of p-type layer of quantum dot solar cells. <i>Applied Surface Science</i> , 2018, 459, 562-571.	3.1	18
11	A statistical approach to synthesis of functionally modified silica nanoparticles. <i>Journal of Alloys and Compounds</i> , 2016, 654, 308-314.	2.8	16
12	Air exposure oxidation and photooxidation of solution-phase treated PbS quantum dot thin films and solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2019, 203, 110163.	3.0	11
13	Magnetic properties of crystalline nickel and low phosphorus amorphous Ni ₁ -XP _x nanoparticles. <i>Materials Chemistry and Physics</i> , 2018, 204, 403-409.	2.0	10
14	Coordination mechanism of cyanine dyes on the surface of core@active shell Yb^{3+} : Er^{3+} /NaGdF ₄ nanocrystals and its role in enhancing upconversion luminescence. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16313-16323.	2.7	10
15	Low-temperature pressureless sintering of Al ₂ O ₃ -SiC-Ni nanocermet in air environment. <i>Ceramics International</i> , 2018, 44, 18156-18163.	2.3	9
16	Process Control Strategies for Dual-Phase Steel Manufacturing Using ANN and ANFIS. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 3975-3983.	1.2	7
17	Rapid consolidation of Al ₂ O ₃ -TiO ₂ -Co nanocermet via spark plasma sintering of Co-coated ceramic particles. <i>Journal of Alloys and Compounds</i> , 2019, 771, 79-88.	2.8	7
18	Halide-, Hybrid-, and Perovskite-Functionalized Light Absorbing Quantum Materials of p-n Heterojunction Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30283-30295.	4.0	6

#	ARTICLE	IF	CITATIONS
19	Synthesis and characterization of permalloy-reinforced Al ₂ O ₃ nanocomposite powders by mechanical alloying. International Journal of Advanced Manufacturing Technology, 2014, 70, 1653-1659.	1.5	2