Mehdi Khodaei

List of Publications by Year
in descending order

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15 papers	239 citations	1307543 7 h-index	1058452 14 g-index
15 all docs	15 docs citations	15 times ranked	240 citing authors

#	Article	IF	Citations
1	Magnetic Properties and Magnetic Hyperthermia of Cobalt Ferrite Nanoparticles Synthesized by Hydrothermal Method. Journal of Superconductivity and Novel Magnetism, 2020, 33, 2227-2233.	1.8	50
2	Superhydrophobicity on aluminum through reactive-etching and TEOS/GPTMS/nano-Al2O3 silane-based nanocomposite coating. Surface and Coatings Technology, 2019, 374, 1078-1090.	4.8	43
3	Review on applications of synchrotronâ€based Xâ€ray techniques in materials characterization. X-Ray Spectrometry, 2020, 49, 348-373.	1.4	39
4	SiC nanoparticles incorporation in electroless NiP-Graphene oxide nanocomposite coatings. Ceramics International, 2021, 47, 25287-25295.	4.8	26
5	Review on doping strategy in Li4Ti5O12 as an anode material for Lithium-ion batteries. Ceramics International, 2023, 49, 7105-7141.	4.8	20
6	(111)-Oriented Co0.8Fe2.2O4+Î´ thin film grown by pulsed laser deposition: structural and magnetic properties. Journal of Materials Science, 2013, 48, 6960-6969.	3.7	10
7	Nanoscale magnetoelectric coupling study in (111)-oriented PZT-Co ferrite multiferroic nanobilayer thin film using piezoresponse force microscopy: Effect of Co ferrite composition. Sensors and Actuators A: Physical, 2016, 242, 92-98.	4.1	9
8	Design, analysis, and optimization of a magnetoelectric actuator using regression modeling, numerical simulation and metaheuristics algorithm. Journal of Materials Science: Materials in Electronics, 2019, 30, 16527-16538.	2.2	7
9	Self-sensing feature of the ultrasonic nano-displacement actuator in Metglas/PMN-PT/Metglas magnetoelectric composite. Journal of Materials Science: Materials in Electronics, 2020, 31, 740-751.	2.2	7
10	Superhydrophobicity through Coatings Prepared by Chemical Methods. , 0, , .		7
11	Enhancement of in-plane magnetic anisotropy in (111)-oriented Co0.8Fe2.2O4 thin film by deposition of PZT top layer. Applied Physics A: Materials Science and Processing, 2014, 117, 1153-1160.	2.3	6
12	Magnetic properties of CoFe₂O₄ nanoparticle synthesized by salt-assisted sol-gel auto-combustion method. Materials Research Express, 2019, 6, 086115.	1.6	5
13	Surfactant-free commercial electroless bath with low concentration of SiC nanoparticles to prepare the NiP-SiC nanocomposite coatings. Materials Research Express, 2021, 8, 055009.	1.6	5
14	Nano-scratch and nano-indentation study of diamond-like carbon/NiP-SiC nanocomposite bilayer. Materials Science and Technology, 2021, 37, 663-671.	1.6	3
15	Effect of NiP-SiC nanocomposite interlayer on corrosion behavior of diamond-like carbon/Steel. Thin Solid Films, 2021, 736, 138914.	1.8	2