Sima Alikhanzadeh-Arani

List of Publications by Year
in descending order

28 papers	340 citations	840776 11 h-index	839539 18 g-index
28 all docs	28 docs citations	28 times ranked	357 citing authors

#	Article	IF	Citations
1	CoNiZn and CoNiFe Nanoparticles: Synthesis, Physical Characterization, and In Vitro Cytotoxicity Evaluations. Applied Sciences (Switzerland), 2021, 11, 5339.	2.5	14
2	In situ precipitation synthesis of FeNi/ZnO nanocomposites with high microwave absorption properties. Materials Chemistry and Physics, 2021, 266, 124508.	4.0	6
3	Sn addition effect on magnetic reversibility of Coâ€“Ni alloy nanoparticles based on the FORC results. Materials Chemistry and Physics, 2020, 243, 122575.	4.0	8
4	Detailed magnetic characteristics of cobalt ferrite (CoxFe3â^'xO4) nanoparticles synthesized in the presence of PVP surfactant. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	6
5	Tunable optical, electronic and magnetic properties of semiconductor nanoparticles induced by magnetic and nonmagnetic dopants: A comparative experimental and theoretical study. Ceramics International, 2019, 45, 6912-6924.	4.8	5
6	The role of Sn, Zn, and Cu additions on the microwave absorption properties of Co-Ni alloy nanoparticles. Materials Research Bulletin, 2019, 118, 110491.	5.2	12
7	Magnetic phase tuning of diluted Fe-doped CuO nanoparticles through annealing temperature as characterized by first-order reversal curve analysis. Journal of Magnetism and Magnetic Materials, 2019, 482, 301-311.	2.3	9
8	A FORC investigation into the effect of Cu additive on magnetic characteristics of Co-Ni alloy nanoparticles. Journal of Magnetism and Magnetic Materials, 2019, 473, 169-175.	2.3	4
9	Improvement of the microwave absorption properties in FeNi/PANI nanocomposites fabricated with different structures. Journal of Alloys and Compounds, 2018, 742, 413-420.	5.5	67
10	Synthesis, characterization, magnetic and microwave absorption properties of ironâ€“cobalt nanoparticles and ironâ€“cobalt @ polyaniline (FeCo@PANI) nanocomposites. Journal of Materials Science: Materials in Electronics, 2018, 29, 12126-12134.	2.2	14
11	The fcc/bcc phase transition in FexNi100â^'x nanoparticles resolved by first-order reversal curves. Journal of Materials Science, 2017, 52, 7831-7842.	3.7	13
12	Influence of the surfactant and annealing rate on the morphology, magnetic and structural characteristics of Co2FeAl nanoparticles. Journal of Magnetism and Magnetic Materials, 2016, 412, 243-249.	2.3	17
13	Detection of Single-Domain Co2FeAl Nanoparticles Using First-Order Reversal Curve Method. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 5234-5241.	2.2	5
14	Magnetic and Structural Characterizations of Co-based Heusler Nanoparticles Fabricated via Simple Co-precipitation Method. Journal of Cluster Science, 2016, 27, 1031-1039.	3.3	4
15	Synthesis, characterization and magnetic properties of hollow Co₂FeAl nanoparticles: the effects of heating rate. New Journal of Chemistry, 2016, 40, 5061-5070.	2.8	18
16	Size effects on the magnetic characteristics of a nanostructured Heusler alloy. Journal of Materials Science, 2016, 51, 1354-1362.	3.7	15
17	Characterization of REBa2Cu3O7â^'X (RE=Gd, Ho) nanostructures, fabricated by a simple technique. Physica C: Superconductivity and Its Applications, 2015, 511, 20-25.	1.2	1
18	Synthesis of Ultrafine High- <inline-formula> <tex-math notation="LaTeX">T_{C}</tex-math></inline-formula> Superconducting <inline-formula> <tex-math notation="LaTeX">$mbox{GdBa}_2mbox{Cu}_3mbox{O}_{7mbox{-}{x}}$</tex-math></inline-formula> Powder. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-6.	1.7	0

#	Article	IF	Citations
19	Improvement of the Superconducting Properties of Ho123 Nanoparticles via a Polymer Mediated Sol-Gel Method. Journal of Superconductivity and Novel Magnetism, 2015, 28, 13-18.	1.8	1
20	Magnetic and structural characteristics of HoBa2Cu3O7â˜'x nanorods synthesized in the presence of an appropriate surfactant. Ceramics International, 2014, 40, 11109-11114.	4.8	6
21	Biopolymer-protected GdBa2Cu3O7â˜'x nanoparticles: Morphology, structure and superconducting properties. Journal of Alloys and Compounds, 2014, 614, 35-39.	5.5	10
22	Synthesis and Characterization of the One-dimensional Cuprate Sr2CuO3 Nanoparticles Prepared by Modified Sol-gel Method. High Temperature Materials and Processes, 2013, 32, 1-6.	1.4	8
23	Magnetic characterization of FeCo nanowire arrays by first-order reversal curves. Current Applied Physics, 2013, 13, 664-669.	2.4	27
24	Influence of the utilized precursors on the morphology and properties of YBa2Cu3O7â˜'y superconducting nanostructures. Physica C: Superconductivity and Its Applications, 2013, 488, 30-34.	1.2	19
25	Growth of the Dysprosiumâ€"Bariumâ€"Copper Oxide Superconductor Nanoclusters in Biopolymer Gels. Journal of Inorganic and Organometallic Polymers and Materials, 2012, 22, 1081-1086.	3.7	15
26	Morphologies and magnetic properties of FeCo nanoparticles modulated by changing the types of ligands of Co. Journal of Magnetism and Magnetic Materials, 2012, 324, 3652-3657.	2.3	25
27	Synthesize and Characterization of Ca2CuO3 Nanostructures via a Modified Solâ€"Gel Method Assisted by Hydrothermal Process. Journal of Cluster Science, 2012, 23, 1069-1080.	3.3	9
28	Comparative Study of the Electromagnetic Wave Absorption Properties in (FeNi, CoNi, and FeCo)/ZnS Nanocomposites. Journal of Cluster Science, 0, , 1.	3.3	2