

Khalil Gheisari

List of Publications by Year in descending order

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46
papers

1,065
citations

394421

19
h-index

414414

32
g-index

47
all docs

47
docs citations

47
times ranked

1116
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic and structural studies of the Mn-doped Mg ²⁺ Zn ferrite nanoparticles synthesized by the glycine nitrate process. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 3741-3747.	2.3	121
2	The effect of milling speed on the structural properties of mechanically alloyed Fe ²⁺ 45%Ni powders. <i>Journal of Alloys and Compounds</i> , 2009, 472, 416-420.	5.5	94
3	Analysis of the magnetic losses in iron-based soft magnetic composites with MgO insulation produced by sol-gel method. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 3748-3754.	2.3	85
4	Characterization of nanocrystalline Mg _{0.6} Zn _{0.4} Fe ₂ O ₄ soft ferrites synthesized by glycine-nitrate combustion process. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 329, 165-169.	2.3	66
5	Study on phase formation in magnetic FeCoNiMnV high entropy alloy produced by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2019, 773, 623-630.	5.5	54
6	Magnetic losses of the soft magnetic composites consisting of iron and Ni ²⁺ Zn ferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 1544-1548.	2.3	52
7	Application of neural network and genetic algorithm to powder metallurgy of pure iron. <i>Materials & Design</i> , 2011, 32, 3183-3188.	5.1	44
8	The effect of heat treatment on the structure and magnetic properties of mechanically alloyed Fe ²⁺ 45%Ni nanostructured powders. <i>Journal of Alloys and Compounds</i> , 2011, 509, 1020-1024.	5.5	40
9	Effect of cold rolling on the microstructural, magnetic, mechanical, and corrosion properties of AISI 316L austenitic stainless steel. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2018, 25, 630-640.	4.9	40
10	Structural evolution and magnetic properties of nanocrystalline magnesium-zinc soft ferrites synthesized by glycine-nitrate combustion process. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 363, 21-25.	2.3	35
11	Structural evolution and magnetic properties of nanocrystalline 50 Permalloy powders prepared by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2013, 574, 71-82.	5.5	31
12	Structure and magnetic properties of ball-mill prepared nanocrystalline Ni ²⁺ Zn ferrite powders at elevated temperatures. <i>Journal of Alloys and Compounds</i> , 2013, 552, 146-151.	5.5	27
13	Dielectric Properties of Nanocrystalline Zn-Doped Lithium Ferrites Synthesized by Microwave-Induced Glycine-Nitrate Process. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 145-151.	1.8	26
14	Corrosion mitigation ability of differently synthesized polypyrrole (PPy-FeCl ₃ & PPy-APS) conductive polymers modified with Na ₂ MoO ₄ on mild steel in 3.5% NaCl solution: Comparative study and optimization. <i>Corrosion Science</i> , 2021, 193, 109894.	6.6	26
15	The effect of sintering temperature on the electromagnetic properties of nanocrystalline MgCuZn ferrite prepared by sol-gel auto combustion method. <i>Materials Letters</i> , 2014, 122, 129-132.	2.6	24
16	Structure, Microstructure, Magnetic, Electromagnetic, and Dielectric Properties of Nanostructured Mn ²⁺ Zn Ferrite Synthesized by Microwave-Induced Urea-Nitrate Process. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 2523-2534.	1.8	24
17	Structural, microstructural, magnetic and dielectric properties of Ni-Zn ferrite powders synthesized by plasma arc discharge process followed by post-annealing. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 488, 165369.	2.3	21
18	Synthesis, characterization, and performance of nanocomposites containing reduced graphene oxide, polyaniline, and cobalt ferrite. <i>Physica B: Condensed Matter</i> , 2021, 612, 412974.	2.7	21

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19	The effect of non-magnetic Al ³⁺ ions on the structure and electromagnetic properties of MgCuZn ferrite. Journal of Magnetism and Magnetic Materials, 2014, 371, 29-34.	2.3	20
20	A brief review of the graphene oxide-based polymer nanocomposite coatings: preparation, characterization, and properties. Journal of Coatings Technology Research, 2021, 18, 945-969.	2.5	20
21	Effect of sulfate reducing Citrobacter sp. strain on the corrosion behavior of API X70 microalloyed pipeline steel. Materials Chemistry and Physics, 2019, 236, 121799.	4.0	18
22	Structural and Magnetic Properties of Nanocrystalline Lithium-Zinc Ferrite Synthesized by Microwave-Induced Glycine-Nitrate Process. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1483-1490.	1.8	16
23	Al-based magnetic composites produced by accumulative roll bonding (ARB). Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 206, 45-54.	3.5	16
24	Structure and magnetic properties of nanostructured Ni _{0.77} Fe _{0.16} Cu _{0.05} Cr _{0.02} (Mumetal) powders prepared by mechanical alloying. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 157, 53-57.	3.5	14
25	The effect of process control agent on the structure and magnetic properties of nanocrystalline mechanically alloyed Fe-45% Ni powders. Journal of Magnetism and Magnetic Materials, 2013, 343, 133-137.	2.3	14
26	Characterization of Ni ferrites powders prepared by plasma arc discharge process. Journal of Magnetism and Magnetic Materials, 2017, 421, 44-51.	2.3	14
27	Synthesis of Ni-Mn ferrite-chromite nanoparticles through plasma arc discharge. Materials Letters, 2014, 133, 91-93.	2.6	13
28	Effect of Annealing Treatments on the Microstructure and Texture Development in API 5L X60 Microalloyed Pipeline Steel. Journal of Materials Engineering and Performance, 2017, 26, 2003-2013.	2.5	12
29	MoO ₄ ²⁻ -doped oxidative polymerized pyrrole-graphene oxide core-shell structure synthesis and application for dual-barrier & active functional epoxy-coating construction. Progress in Organic Coatings, 2022, 167, 106845.	3.9	11
30	Failure analysis of welded joints in a power plant exhaust flue. Engineering Failure Analysis, 2006, 13, 527-536.	4.0	10
31	Microstructure and high-temperature deformation behavior of FeCoNiMnV high entropy alloy. Materials Chemistry and Physics, 2020, 256, 123675.	4.0	8
32	Basic alloy development of low-transformation-temperature fillers for AISI 410 martensitic stainless steel. Science and Technology of Welding and Joining, 2020, 25, 243-250.	3.1	6
33	Kinetics of recrystallization and microstructure distribution during isothermal annealing of cold rolled nickel. Materials Research Express, 2019, 6, 096504.	1.6	5
34	Magnetic properties and thermal stability of nanocrystalline Fe films prepared by oblique sputtering deposition method. Physica B: Condensed Matter, 2020, 595, 412365.	2.7	5
35	Corrosion behavior of API X70 microalloyed pipeline steel in a simulated soil solution in the absence and presence of aerobic Pseudomonas species. Materials Research Express, 2019, 6, 065409.	1.6	4
36	The effect of plasma arc discharge process parameters on the properties of nanocrystalline (Ni) _{1-x} (Tj)ETQq000rgBT /Overlock 10 Tf 50 67 Materials, 2022, 541, 168536.	2.3	4

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37	Effect of Homogenization on Microstructure and Hardness of Arc-Melted FeCoNiMn High Entropy Alloy During High-Pressure Torsion (HPT). <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 5080-5089.	2.5	4
38	Structure and magnetic properties of nanocrystalline $\text{Ni}_{0.64}\text{Zn}_{0.36}\text{Fe}_2\text{O}_4$ powders prepared by ball milling. <i>Powder Metallurgy</i> , 2013, 56, 216-220.	1.7	3
39	Structural, Magnetic and Dielectric Properties of Nanocrystalline (M = Li and Mg) Ferrites Synthesized via EDTA/EG Assisted Sol-Gel Method. <i>Transactions of the Indian Ceramic Society</i> , 2019, 78, 195-203.	1.0	3
40	Investigation of magnetic composites using as photocatalyst and antibacterial application. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108031.	3.9	3
41	Characterization of nanocrystalline $\text{Cu}_x\text{Fe}_{1-x}\text{Fe}_2\text{O}_4$ ferrite powders synthesized via plasma arc discharge process. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, , 168596.	2.3	3
42	Effect of fuel composition and concentration on dielectric properties of bismuth titanate ($\text{Bi}_4\text{Ti}_3\text{O}_{12}$) synthesized by microwave-induced combustion method. <i>Materials Research Express</i> , 2019, 6, 126317.	1.6	2
43	Microstructural Characterization of Mechanically Alloyed FeCoNiMnV High Entropy Alloy Consolidated by Spark Plasma Sintering. <i>Advanced Engineering Materials</i> , 2020, 22, 1901311.	3.5	2
44	Enhancing High-Frequency Properties of Nanocrystalline Sputtered Fe Thin Films by Using MnIr Underlayer and Oblique Deposition. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 1-5.	1.8	2
45	Assessment of the chemical composition of LTT fillers on residual stresses, microstructure, and mechanical properties of 410 AISI welded joints. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 807-823.	2.5	2
46	Structure and Magnetic Properties of $\text{Ni}_{0.77}\text{Fe}_{0.16}\text{Cu}_{0.05}\text{Cr}_{0.02}$ Doped with Co. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2018, 42, 2365-2373.	1.5	0