

O M Lemine

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3600566/publications.pdf>

Version: 2024-02-01

66
papers

1,459
citations

361413

20
h-index

330143

37
g-index

68
all docs

68
docs citations

68
times ranked

2031
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization and heating efficiency of Gd-doped maghemite ($\hat{\text{I}}^3\text{-Fe}_2\text{O}_3$) nanoparticles for hyperthermia application. <i>Physica B: Condensed Matter</i> , 2022, 625, 413510.	2.7	21
2	Evaluating magnetic and thermal effects of various Polymerylated magnetic iron oxide nanoparticles for combined chemo-hyperthermia. <i>New Journal of Chemistry</i> , 2022, 46, 5489-5504.	2.8	16
3	Magneto-thermal properties of Co-doped maghemite ($\hat{\text{I}}^3\text{-Fe}_2\text{O}_3$) nanoparticles for magnetic hyperthermia applications. <i>Physica B: Condensed Matter</i> , 2022, 639, 413993.	2.7	10
4	Iron Oxide Mesoporous Magnetic Nanostructures with High Surface Area for Enhanced and Selective Drug Delivery to Metastatic Cancer Cells. <i>Pharmaceutics</i> , 2021, 13, 553.	4.5	8
5	Structural, Thermal, Morphological and Magnetic Properties of Al^{3+} -Doped Nanostructured Spinel Nickel Ferrites. <i>Science of Advanced Materials</i> , 2021, 13, 794-802.	0.7	1
6	Maghemite ($\hat{\text{I}}^3\text{-Fe}_2\text{O}_3$) and $\hat{\text{I}}^3\text{-Fe}_2\text{O}_3\text{-TiO}_2$ Nanoparticles for Magnetic Hyperthermia Applications: Synthesis, Characterization and Heating Efficiency. <i>Materials</i> , 2021, 14, 5691.	2.9	26
7	Doped Nanostructured Manganese Ferrites: Synthesis, Characterization, and Magnetic Properties. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-12.	2.7	5
8	Effect of Al doping in zinc ferrite nanoparticles and their structural and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2020, 812, 152058.	5.5	30
9	A comparison of NO_2 sensing characteristics of $\hat{\text{I}}^{\pm}$ - and $\hat{\text{I}}^3$ -iron oxide-based solid-state gas sensors. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	4
10	Comparative heating efficiency of hematite ($\hat{\text{I}}^{\pm}\text{-Fe}_2\text{O}_3$) and nickel ferrite nanoparticles for magnetic hyperthermia application. <i>Ceramics International</i> , 2020, 46, 28821-28827.	4.8	27
11	$\hat{\text{I}}^3\text{-Fe}_2\text{O}_3/\text{Gd}_2\text{O}_3$ -chitosan magnetic nanocomposite for hyperthermia application: structural, magnetic, heating efficiency and cytotoxicity studies. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	12
12	Enhancement of saturation magnetisation through the addition of a nonmagnetic element in substitutional Fe-doped In_2O_3 powder. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 500, 166413.	2.3	8
13	Influence of divalent metals (Zn, Cu and Co) on the synthesis and magnetic properties of spinel ferrite nanopowders. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 8194-8205.	2.2	7
14	Room temperature ferromagnetism in ball milled Cu-doped ZnO nanocrystallines: an experimental and first-principles DFT studies. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19833-19840.	2.2	2
15	The significant effect of size and concentrations of iron oxide nanoparticles on magnetic resonance imaging contrast enhancement. <i>Results in Physics</i> , 2019, 15, 102651.	4.1	27
16	The effect of Ni/Fe ratio on the physical properties of $\text{NiFe}_{2-x}\text{O}_{4-x}$ nanocomposites. <i>Materials Research Express</i> , 2019, 6, 086107.	1.6	9
17	Mechanically Milled $\text{Co}_{1-x}\text{Fe}_x\text{O}_4$ Nanocrystalline for Magnetic Hyperthermia Application. <i>Journal of Nano Research</i> , 2019, 59, 25-34.	0.8	1
18	Study of defects in Li-doped ZnO thin films. <i>Materials Science in Semiconductor Processing</i> , 2019, 89, 149-153.	4.0	44

#	ARTICLE	IF	CITATIONS
19	Fabrication and characterization of nanostructured MgO-Fe ₂ O ₃ composite by mechanical milling as efficient adsorbent of heavy metals. <i>Journal of Alloys and Compounds</i> , 2019, 772, 1030-1039.	5.5	21
20	Magnetic Hyperthermia Therapy Using Hybrid Magnetic Nanostructures. , 2019, , 125-138.		6
21	Ferromagnetic order in substitutional Fe-doped In ₂ O ₃ powder. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 108, 253-256.	2.7	4
22	Effects of strain, defects and crystal phase transition in mechanically milled nanocrystalline In ₂ O ₃ powder. <i>Materials Research Express</i> , 2019, 6, 025017.	1.6	11
23	Room temperature ferromagnetism in Ni, Fe and Ag co-doped Cu-ZnO nanoparticles: an experimental and first-principles DFT study. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14387-14395.	2.2	3
24	Effect of synthesis route on the uptake of Ni and Cd by MgFe ₂ O ₄ nanopowders. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	16
25	Mn doped zinc silicate nanophosphor with bifunctionality of green-yellow emission and magnetic properties. <i>Ceramics International</i> , 2017, 43, 6585-6591.	4.8	77
26	Ferromagnetism at room temperature in Zn _{0.95} Cu _{0.05} O nanoparticles synthesized by sol-gel method. <i>Materials Letters</i> , 2017, 194, 98-101.	2.6	14
27	(x)ZnO(1-x)Fe ₂ O ₃ nanocrystallines for the removal of cadmium(II) and nickel(II) from water: kinetic and adsorption studies. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2017, 66, 381-391.	1.4	5
28	Induced Room-Temperature Ferromagnetism in Un-doped Nanocrystalline Metal Oxide Powders Obtained by Mechanical Milling: A Review. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 271-274.	1.8	5
29	Modeling of the microstructural properties of (x)ZnO(1-x)Fe ₂ O ₃ nanocrystallines by artificial neural network and response surface methodology. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 95, 70-76.	5.0	3
30	Green High-Yielding One-Pot Approach to Biginelli Reaction under Catalyst-Free and Solvent-Free Ball Milling Conditions. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 431.	2.5	22
31	Superparamagnetic iron oxide nanocargoes for combined cancer thermotherapy and MRI applications. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 21331-21339.	2.8	60
32	Defect-induced room temperature ferromagnetism in mechanically milled nanocrystalline In ₂ O ₃ powder. <i>Materials Letters</i> , 2016, 181, 152-155.	2.6	13
33	Milled goethite nanocrystalline for selective and fast uptake of cadmium ions from aqueous solution. <i>Desalination and Water Treatment</i> , 2016, 57, 6531-6539.	1.0	21
34	Fe ₂ O ₃ nanoparticles for magnetic hyperthermia applications. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1779, 7-13.	0.1	5
35	Sol-gel synthesis, structural, optical and magnetic properties of Co-doped ZnO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 2614-2621.	2.2	38
36	Sol-gel synthesis and room temperature ferromagnetism in Mn doped ZnO nanocrystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 5930-5936.	2.2	13

#	ARTICLE	IF	CITATIONS
37	Removal of cadmium(II) ions from aqueous solution using Ni (15 wt.%) doped γ -Fe ₂ O ₃ nanocrystals: equilibrium, thermodynamic, and kinetic studies. <i>Water Science and Technology</i> , 2015, 72, 608-615.	2.5	8
38	Raman scattering reveals strong LO-phonon-hole-plasmon coupling in nominally undoped GaAsBi: optical determination of carrier concentration. <i>Optics Express</i> , 2014, 22, 11680.	3.4	23
39	Transformation of Goethite to Hematite Nanocrystallines by High Energy Ball Milling. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-5.	1.8	6
40	Structural and magnetic properties of Mn-doped ZnO nanocrystals. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 56, 107-112.	2.7	52
41	γ -Fe ₂ O ₃ by sol-gel with large nanoparticles size for magnetic hyperthermia application. <i>Journal of Alloys and Compounds</i> , 2014, 607, 125-131.	5.5	70
42	Magneto-optical properties of GaBiAs layers. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 075103.	2.8	10
43	Application of neural network technique to high energy milling process for synthesizing ZnO nanopowders. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 273-278.	1.5	5
44	Thermal annealing effects on the optical and structural properties of (100) GaAs _{1-x} Bi _x layers grown by Molecular Beam Epitaxy. <i>Superlattices and Microstructures</i> , 2014, 65, 48-55.	3.1	19
45	Nanocrystalline Ni doped γ -Fe ₂ O ₃ for adsorption of metals from aqueous solution. <i>Journal of Alloys and Compounds</i> , 2014, 588, 592-595.	5.5	38
46	Discrepancy of room temperature ferromagnetism in Mo-doped In ₂ O ₃ . <i>Bulletin of Materials Science</i> , 2013, 36, 25-29.	1.7	3
47	Raman scattering studies of strain effects in (100) and (311)B GaAs _{1-x} Bi _x epitaxial layers. <i>Journal of Applied Physics</i> , 2013, 114, 193516.	2.5	22
48	Nanoparticles for biomedical applications: current status, trends and future challenges. , 2013, , 1-132.		5
49	Deep level transient spectroscopy characterisation of defects in AlGaIn/Si dual-band (UV/IR) detectors grown by MBE. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 101-104.	0.8	1
50	Photoluminescence intensity enhancement in self-assembled InAs quantum dots grown on (311)B and (100) GaAs substrates and coated with gold nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 54, 233-236.	2.7	6
51	Magnetic and optical properties of manganese doped ZnO nanoparticles synthesized by sol-gel technique. <i>Superlattices and Microstructures</i> , 2013, 60, 139-147.	3.1	116
52	Neutron diffraction study and ab-initio calculations of nanostructured doped ZnO. <i>Journal of Alloys and Compounds</i> , 2012, 536, 66-72.	5.5	12
53	Sol-gel synthesis of 8nm magnetite (Fe ₃ O ₄) nanoparticles and their magnetic properties. <i>Superlattices and Microstructures</i> , 2012, 52, 793-799.	3.1	191
54	Small angles X-ray diffraction and Mössbauer characterization of annealed Tb/Fe multilayer. <i>Bulletin of Materials Science</i> , 2011, 34, 71-74.	1.7	0

#	ARTICLE	IF	CITATIONS
55	Synthesis, structural, magnetic and optical properties of nanocrystalline ZnFe ₂ O ₄ . Physica B: Condensed Matter, 2011, 406, 1989-1994.	2.7	84
56	Application of neural network technique to planetary milling process for the production of ZnO nanopowders. , 2011, , .		0
57	Rietveld analysis and Mössbauer spectroscopy studies of nanocrystalline hematite $\hat{\pm}$ -Fe ₂ O ₃ . Journal of Alloys and Compounds, 2010, 502, 279-282.	5.5	42
58	STRUCTURAL AND MAGNETIC PROPERTIES OF HEMATITE NANOCRYSTALLINE OBTAINED BY BALL MILLING. International Journal of Nanoscience, 2009, 08, 267-272.	0.7	2
59	Microstructural characterisation of nanoparticles using, XRD line profiles analysis, FE-SEM and FT-IR. Superlattices and Microstructures, 2009, 45, 576-582.	3.1	118
60	Effects of milling time on the formation of nanocrystalline ZnO. International Journal of Nanoparticles, 2009, 2, 238.	0.3	0
61	Effects of argon ion irradiation on structural and magnetic properties of Tb/Fe multilayers. Physica B: Condensed Matter, 2006, 382, 266-270.	2.7	3
62	Size Effect on Magnetism of Fe Thin Films in Fe/Ir Superlattices. Physical Review Letters, 2001, 86, 3883-3886.	7.8	18
63	Unusual Magnetic Behaviour of BCT Fe Thin Films Evidenced by ⁵⁷ Fe Mössbauer Spectrometry. Materials Research Society Symposia Proceedings, 1997, 475, 169.	0.1	0
64	Local magnetism of Fe in FeIr(100) superlattices studied by ⁵⁷ Fe Mössbauer spectrometry. Journal of Magnetism and Magnetic Materials, 1997, 165, 220-223.	2.3	10
65	Magnétisme local du fer dans les superlattices Fe/Ir(100). European Physical Journal Special Topics, 1996, 06, C7-207-C7-212.	0.2	0
66	Two Curie temperatures in a single iron thin film. , 0, , .		0