

Ahmed A El Gendy

List of Publications by Year in descending order

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54
papers

1,277
citations

394421

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377865

34
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all docs

56
docs citations

56
times ranked

1865
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, magnetic, and critical behavior of CrTe _{1-x} Sbx alloys. European Physical Journal Plus, 2021, 136, 1.	2.6	6
2	Superparamagnetic Fe/Au Nanoparticles and Their Feasibility for Magnetic Hyperthermia. Applied Sciences (Switzerland), 2021, 11, 6637.	2.5	7
3	Synthesis of single-phase superparamagnetic copper ferrite nanoparticles using an optimized coprecipitation method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 272, 115368.	3.5	24
4	Large scale production of superparamagnetic iron oxide nanoparticles by the haloarchaeon Halobiforma sp. N1 and their potential in localized hyperthermia cancer therapy. Nanotechnology, 2021, 32, 09LT01.	2.6	15
5	Co-Doped SnO ₂ Nanocrystals: XPS, Raman, and Magnetic Studies. Journal of Electronic Materials, 2020, 49, 1872-1880.	2.2	19
6	Facile synthesis of superparamagnetic Fe ₃ O ₄ nanoparticles at therapeutic temperature range for magnetic hyperthermia therapy. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	8
7	Ni-Cu Nanoparticles and Their Feasibility for Magnetic Hyperthermia. Nanomaterials, 2020, 10, 1988.	4.1	16
8	Magnetocaloric Effect of Micro- and Nanoparticles of Gd ₅ Si ₄ . Jom, 2019, 71, 3159-3163.	1.9	11
9	Fe nanoparticles encapsulated in MOF-derived carbon for the reduction of 4-nitrophenol and methyl orange in water. Catalysis Communications, 2019, 130, 105753.	3.3	75
10	Nucleation of Co ₃ C Magnetic Nanoparticles Using Supercritical Condition of Ethanol. Jom, 2019, 71, 4940-4943.	1.9	0
11	Ultrafast catalytic reduction of environmental pollutants in water via MOF-derived magnetic Ni and Cu nanoparticles encapsulated in porous carbon. Applied Surface Science, 2019, 497, 143608.	6.1	79
12	One-step novel synthesis of CoFe ₂ O ₄ /graphene composites for organic dye removal. Journal of Sol-Gel Science and Technology, 2019, 89, 743-753.	2.4	13
13	Magnetic Graphene Oxide Nanocarrier for Targeted Delivery of Cisplatin: A Perspective for Glioblastoma Treatment. Pharmaceuticals, 2019, 12, 76.	3.8	30
14	Carbonization of Co-BDC MOF results in magnetic C@Co nanoparticles that catalyze the reduction of methyl orange and 4-nitrophenol in water. Journal of Molecular Liquids, 2019, 290, 111059.	4.9	76
15	Sustained multiferroicity in liquid crystal induced by core/shell quantum dots. Journal of Molecular Liquids, 2019, 288, 110836.	4.9	10
16	Gd ₅ Si ₄ -PVDF nanocomposite films and their potential for triboelectric energy harvesting applications. AIP Advances, 2019, 9, .	1.3	7
17	Magnetic properties and hyperthermia behavior of iron oxide nanoparticle clusters. AIP Advances, 2019, 9, 125033.	1.3	14
18	Multiphase Ho ₃₆ Co ₄₈ Al ₁₆ alloy featuring table-like magnetocaloric effect. Journal of Magnetism and Magnetic Materials, 2018, 467, 108-113.	2.3	11

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19	Investigating phase transition temperatures of size separated gadolinium silicide magnetic nanoparticles. AIP Advances, 2018, 8, 056428.	1.3	15
20	The effect of Co substitution on the magnetic and magnetocaloric properties of Gd ₃ Ru. Journal of Magnetism and Magnetic Materials, 2018, 451, 368-372.	2.3	7
21	Effect of Gd ⁵⁺ /Si ⁴⁺ Ferromagnetic Nanoparticle Sizes on T ₁ , T ₂ and T ₂ * Relaxation in MRI. , 2018, , .		0
22	Recent Developments in Nanostructured Permanent Magnet Materials and Their Processing Methods. , 2018, , 157-198.		14
23	Magnetocaloric Effect in Frustrated Magnetic Systems: From Bulk to Nano. , 2018, , 245-268.		4
24	Core/Shell Magnetic Nanoparticles for Biomedical Applications. , 2018, , 41-58.		9
25	Fire Behavior of HDPE Composite Based on Modified Clay with Phenol Formaldehyde Silane Resin. Arabian Journal for Science and Engineering, 2017, 42, 153-162.	3.0	3
26	Enhancement of β -phase in PVDF films embedded with ferromagnetic Gd ₅ Si ₄ nanoparticles for piezoelectric energy harvesting. AIP Advances, 2017, 7, .	1.3	42
27	Effect of anatomical variability in brain on transcranial magnetic stimulation treatment. AIP Advances, 2017, 7, .	1.3	17
28	Gd ₅ Si ₄ Micro- and Nano-Particles for Self-Regulated Magnetic Hyperthermia. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	5
29	Computational analysis of transcranial magnetic stimulation in the presence of deep brain stimulation probes. AIP Advances, 2017, 7, .	1.3	7
30	Enhanced near room temperature magnetocaloric effect in La _{0.6} Ca _{0.4} MnO ₃ for magnetic refrigeration application. RSC Advances, 2017, 7, 46589-46593.	3.6	13
31	Exchange bias and enhanced anisotropy from exchange coupled Fe ₃ C/CoO nanoaggregates. Journal of Magnetism and Magnetic Materials, 2017, 444, 332-337.	2.3	6
32	Effect of Transcranial Magnetic Stimulation on Demyelinated Neuron Populations. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	11
33	Ferromagnetic Gd ₅ Si ₄ Nanoparticles as T ₂ Contrast Agents for Magnetic Resonance Imaging. IEEE Magnetics Letters, 2017, 8, 1-4.	1.1	19
34	Suppression of impurity phases and the study of magnetic and magnetocaloric properties of Ho ₂ Co ₂ Al intermetallic compound. Journal of Magnetism and Magnetic Materials, 2017, 443, 79-84.	2.3	9
35	Microbial-Physical Synthesis of Fe and Fe ₃ O ₄ Magnetic Nanoparticles Using <i>Aspergillus niger</i> YESM1 and Supercritical Condition of Ethanol. Journal of Nanomaterials, 2016, 2016, 1-7.	2.7	63
36	Solvothermal synthesis of Fe ₇ C ₃ and Fe ₃ C nanostructures with phase and morphology control. Journal of Applied Physics, 2016, 120, .	2.5	15

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37	The influence of oxidation process on exchange bias in egg-shaped FeO/Fe ₃ O ₄ core/shell nanoparticles. Journal of Magnetism and Magnetic Materials, 2016, 416, 269-274.	2.3	29
38	Tuneable magnetic properties of carbon-shielded NiPt-nanoalloys. RSC Advances, 2016, 6, 52427-52433.	3.6	9
39	Room temperature magnetocaloric effect in Mn _{1.25} Fe _{1.75} Ga Heusler alloys. Journal of Alloys and Compounds, 2016, 665, 319-322.	5.5	4
40	Experimental evidence for the formation of CoFe ₂ C phase with colossal magnetocrystalline-anisotropy. Applied Physics Letters, 2015, 106, .	3.3	35
41	Nanostructured DO ₂₂ -Mn ₂ Ga Alloys with High Magnetization and Coercivity. Journal of Physical Chemistry C, 2015, 119, 8898-8903.	3.1	20
42	Nanostructured DO ₂₂ -Mn ₃ Ga with high coercivity. Journal Physics D: Applied Physics, 2015, 48, 125001.	2.8	24
43	High Coercivity in Annealed Melt-Spun Mn-Ga Ribbons. IEEE Transactions on Magnetics, 2014, 50, 1-3.	2.1	11
44	Enhanced magnetic anisotropy in cobalt-carbide nanoparticles. Applied Physics Letters, 2014, 104, 023111.	3.3	44
45	Synthesis and toxicity characterization of carbon coated iron oxide nanoparticles with highly defined size distributions. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 160-169.	2.4	38
46	Room Temperature Synthesis of Highly Magnetic Cobalt Nanoparticles by Continuous Flow in a Microfluidic Reactor. Journal of Flow Chemistry, 2014, 4, 148-152.	1.9	11
47	Improving the Dielectric Properties of High Density Polyethylene by Incorporating Clay-Nanofiller. Telkomnika (Telecommunication Computing Electronics and Control), 2014, 12, 763.	0.8	10
48	CoxC nanorod magnets: Highly magnetocrystalline anisotropy with lower Curie temperature for potential applications. Journal of Magnetism and Magnetic Materials, 2013, 348, 136-139.	2.3	21
49	Superparamagnetic FeCo and FeNi Nanocomposites Dispersed in Submicrometer-Sized C Spheres. Journal of Physical Chemistry C, 2012, 116, 22509-22517.	3.1	37
50	A Facile Route to Coat Iron Oxide Nanoparticles with Few-Layer Graphene. Journal of Physical Chemistry C, 2012, 116, 23749-23756.	3.1	25
51	Magnetic Silica Nanotubes: Synthesis, Drug Release, and Feasibility for Magnetic Hyperthermia. ACS Applied Materials & Interfaces, 2012, 4, 2303-2309.	8.0	61
52	Feasibility of Magnetically Functionalised Carbon Nanotubes for Biological Applications: From Fundamental Properties of Individual Nanomagnets to Nanoscaled Heaters and Temperature Sensors. , 2011, , 97-124.		1
53	Morphology, Structural Control, and Magnetic Properties of Carbon-Coated Nanoscaled NiRu Alloys. Journal of Physical Chemistry C, 2010, 114, 10745-10749.	3.1	32
54	The synthesis of carbon coated Fe, Co and Ni nanoparticles and an examination of their magnetic properties. Carbon, 2009, 47, 2821-2828.	10.3	184