

Ahmed A El Gendy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1059047/publications.pdf>

Version: 2024-02-01

54
papers

1,277
citations

394421

19
h-index

377865

34
g-index

56
all docs

56
docs citations

56
times ranked

1865
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The synthesis of carbon coated Fe, Co and Ni nanoparticles and an examination of their magnetic properties. <i>Carbon</i> , 2009, 47, 2821-2828. | 10.3 | 184 |
| 2 | Ultrafast catalytic reduction of environmental pollutants in water via MOF-derived magnetic Ni and Cu nanoparticles encapsulated in porous carbon. <i>Applied Surface Science</i> , 2019, 497, 143608. | 6.1 | 79 |
| 3 | Carbonization of Co-BDC MOF results in magnetic C@Co nanoparticles that catalyze the reduction of methyl orange and 4-nitrophenol in water. <i>Journal of Molecular Liquids</i> , 2019, 290, 111059. | 4.9 | 76 |
| 4 | Fe nanoparticles encapsulated in MOF-derived carbon for the reduction of 4-nitrophenol and methyl orange in water. <i>Catalysis Communications</i> , 2019, 130, 105753. | 3.3 | 75 |
| 5 | Microbial-Physical Synthesis of Fe and Fe ₃ O ₄ Magnetic Nanoparticles Using <i>Aspergillus niger</i> YESM1 and Supercritical Condition of Ethanol. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-7. | 2.7 | 63 |
| 6 | Magnetic Silica Nanotubes: Synthesis, Drug Release, and Feasibility for Magnetic Hyperthermia. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2303-2309. | 8.0 | 61 |
| 7 | Enhanced magnetic anisotropy in cobalt-carbide nanoparticles. <i>Applied Physics Letters</i> , 2014, 104, 023111. | 3.3 | 44 |
| 8 | Enhancement of γ -phase in PVDF films embedded with ferromagnetic Gd ₅ Si ₄ nanoparticles for piezoelectric energy harvesting. <i>AIP Advances</i> , 2017, 7, . | 1.3 | 42 |
| 9 | Synthesis and toxicity characterization of carbon coated iron oxide nanoparticles with highly defined size distributions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 160-169. | 2.4 | 38 |
| 10 | Superparamagnetic FeCo and FeNi Nanocomposites Dispersed in Submicrometer-Sized C Spheres. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22509-22517. | 3.1 | 37 |
| 11 | Experimental evidence for the formation of CoFe ₂ C phase with colossal magnetocrystalline-anisotropy. <i>Applied Physics Letters</i> , 2015, 106, . | 3.3 | 35 |
| 12 | Morphology, Structural Control, and Magnetic Properties of Carbon-Coated Nanoscaled NiRu Alloys. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10745-10749. | 3.1 | 32 |
| 13 | Magnetic Graphene Oxide Nanocarrier for Targeted Delivery of Cisplatin: A Perspective for Glioblastoma Treatment. <i>Pharmaceuticals</i> , 2019, 12, 76. | 3.8 | 30 |
| 14 | The influence of oxidation process on exchange bias in egg-shaped FeO/Fe ₃ O ₄ core/shell nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 416, 269-274. | 2.3 | 29 |
| 15 | A Facile Route to Coat Iron Oxide Nanoparticles with Few-Layer Graphene. <i>Journal of Physical Chemistry C</i> , 2012, 116, 23749-23756. | 3.1 | 25 |
| 16 | Nanostructured DO ₂₂ -Mn ₃ Ga with high coercivity. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 125001. | 2.8 | 24 |
| 17 | Synthesis of single-phase superparamagnetic copper ferrite nanoparticles using an optimized coprecipitation method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 272, 115368. | 3.5 | 24 |
| 18 | CoxC nanorod magnets: Highly magnetocrystalline anisotropy with lower Curie temperature for potential applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 348, 136-139. | 2.3 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Nanostructured $\text{D}_{0.22}\text{Mn}_{0.2}\text{Ga}$ Alloys with High Magnetization and Coercivity. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8898-8903. | 3.1 | 20 |
| 20 | Ferromagnetic Gd_5Si_4 Nanoparticles as T2 Contrast Agents for Magnetic Resonance Imaging. <i>IEEE Magnetics Letters</i> , 2017, 8, 1-4. | 1.1 | 19 |
| 21 | Co-Doped SnO_2 Nanocrystals: XPS, Raman, and Magnetic Studies. <i>Journal of Electronic Materials</i> , 2020, 49, 1872-1880. | 2.2 | 19 |
| 22 | Effect of anatomical variability in brain on transcranial magnetic stimulation treatment. <i>AIP Advances</i> , 2017, 7, . | 1.3 | 17 |
| 23 | Ni-Cu Nanoparticles and Their Feasibility for Magnetic Hyperthermia. <i>Nanomaterials</i> , 2020, 10, 1988. | 4.1 | 16 |
| 24 | Solvothermal synthesis of Fe_7C_3 and Fe_3C nanostructures with phase and morphology control. <i>Journal of Applied Physics</i> , 2016, 120, . | 2.5 | 15 |
| 25 | Investigating phase transition temperatures of size separated gadolinium silicide magnetic nanoparticles. <i>AIP Advances</i> , 2018, 8, 056428. | 1.3 | 15 |
| 26 | Large scale production of superparamagnetic iron oxide nanoparticles by the haloarchaeon <i>Halobiforma</i> sp. N1 and their potential in localized hyperthermia cancer therapy. <i>Nanotechnology</i> , 2021, 32, 09LT01. | 2.6 | 15 |
| 27 | Recent Developments in Nanostructured Permanent Magnet Materials and Their Processing Methods. , 2018, , 157-198. | | 14 |
| 28 | Magnetic properties and hyperthermia behavior of iron oxide nanoparticle clusters. <i>AIP Advances</i> , 2019, 9, 125033. | 1.3 | 14 |
| 29 | Enhanced near room temperature magnetocaloric effect in $\text{La}_{0.6}\text{Ca}_{0.4}\text{MnO}_3$ for magnetic refrigeration application. <i>RSC Advances</i> , 2017, 7, 46589-46593. | 3.6 | 13 |
| 30 | One-step novel synthesis of CoFe_2O_4 /graphene composites for organic dye removal. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 743-753. | 2.4 | 13 |
| 31 | High Coercivity in Annealed Melt-Spun Mn-Ga Ribbons. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-3. | 2.1 | 11 |
| 32 | Room Temperature Synthesis of Highly Magnetic Cobalt Nanoparticles by Continuous Flow in a Microfluidic Reactor. <i>Journal of Flow Chemistry</i> , 2014, 4, 148-152. | 1.9 | 11 |
| 33 | Effect of Transcranial Magnetic Stimulation on Demyelinated Neuron Populations. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4. | 2.1 | 11 |
| 34 | Multiphase $\text{Ho}_{36}\text{Co}_{48}\text{Al}_{16}$ alloy featuring table-like magnetocaloric effect. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 467, 108-113. | 2.3 | 11 |
| 35 | Magnetocaloric Effect of Micro- and Nanoparticles of Gd_5Si_4 . <i>Jom</i> , 2019, 71, 3159-3163. | 1.9 | 11 |
| 36 | Sustained multiferroicity in liquid crystal induced by core/shell quantum dots. <i>Journal of Molecular Liquids</i> , 2019, 288, 110836. | 4.9 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Improving the Dielectric Properties of High Density Polyethylene by Incorporating Clay-Nanofiller. <i>Telkomnika (Telecommunication Computing Electronics and Control)</i> , 2014, 12, 763. | 0.8 | 10 |
| 38 | Tuneable magnetic properties of carbon-shielded NiPt-nanoalloys. <i>RSC Advances</i> , 2016, 6, 52427-52433. | 3.6 | 9 |
| 39 | Suppression of impurity phases and the study of magnetic and magnetocaloric properties of Ho ₂ Co ₂ Al intermetallic compound. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 443, 79-84. | 2.3 | 9 |
| 40 | Core/Shell Magnetic Nanoparticles for Biomedical Applications. , 2018, , 41-58. | | 9 |
| 41 | Facile synthesis of superparamagnetic Fe ₃ O ₄ nanoparticles at therapeutic temperature range for magnetic hyperthermia therapy. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1. | 1.9 | 8 |
| 42 | Computational analysis of transcranial magnetic stimulation in the presence of deep brain stimulation probes. <i>AIP Advances</i> , 2017, 7, . | 1.3 | 7 |
| 43 | The effect of Co substitution on the magnetic and magnetocaloric properties of Gd ₃ Ru. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 451, 368-372. | 2.3 | 7 |
| 44 | Gd ₅ Si ₄ -PVDF nanocomposite films and their potential for triboelectric energy harvesting applications. <i>AIP Advances</i> , 2019, 9, . | 1.3 | 7 |
| 45 | Superparamagnetic Fe/Au Nanoparticles and Their Feasibility for Magnetic Hyperthermia. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6637. | 2.5 | 7 |
| 46 | Exchange bias and enhanced anisotropy from exchange coupled Fe ₃ C/CoO nanoaggregates. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 444, 332-337. | 2.3 | 6 |
| 47 | Structural, magnetic, and critical behavior of CrTe _{1-x} Sb _x alloys. <i>European Physical Journal Plus</i> , 2021, 136, 1. | 2.6 | 6 |
| 48 | Gd ₅ Si ₄ Micro- and Nano-Particles for Self-Regulated Magnetic Hyperthermia. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4. | 2.1 | 5 |
| 49 | Room temperature magnetocaloric effect in Mn _{1.25} Fe _{1.75} Ga Heusler alloys. <i>Journal of Alloys and Compounds</i> , 2016, 665, 319-322. | 5.5 | 4 |
| 50 | Magnetocaloric Effect in Frustrated Magnetic Systems: From Bulk to Nano. , 2018, , 245-268. | | 4 |
| 51 | Fire Behavior of HDPE Composite Based on Modified Clay with Phenol Formaldehyde Silane Resin. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 153-162. | 3.0 | 3 |
| 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 | Effect of Gd ⁵⁺ Si ⁴⁺ Ferromagnetic Nanoparticle Sizes on T ₁ , T ₂ and T ₂ * Relaxation in MRI. , 2018, , . | | 0 |
| 54 | Nucleation of Co ₃ C Magnetic Nanoparticles Using Supercritical Condition of Ethanol. <i>Jom</i> , 2019, 71, 4940-4943. | 1.9 | 0 |