# Reza Peymanfar

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 48 papers | 1,390 citations | 201674 27 h-index | 345221 36 g-index |
| 49 all docs | 49 docs citations | 49 times ranked | 663 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Microwave absorption performance of ZnAl2O4. Chemical Engineering Journal, 2020, 402, 126089. | 12.7 | 71 |
| 2 | Synthesis, characterization and microwave characteristics of ternary nanocomposite of MWCNTs/doped Sr-hexaferrite/PANI. Journal of Magnetism and Magnetic Materials, 2017, 423, 152-157. | 2.3 | 69 |
| 3 | Experimental evaluation and artificial neural network modeling of thermal conductivity of water based nanofluid containing magnetic copper nanoparticles. Physica A: Statistical Mechanics and Its Applications, 2020, 551, 124127. | 2.6 | 57 |
| 4 | Tailoring energy band gap and microwave absorbing features of graphite-like carbon nitride (g-C3N4). Journal of Alloys and Compounds, 2021, 867, 159039. | 5.5 | 55 |
| 5 | Regulating the energy band-gap, UVâ€“Vis light absorption, electrical conductivity, microwave absorption, and electromagnetic shielding effectiveness by modulating doping agent. Polymer, 2020, 209, 122981. | 3.8 | 54 |
| 6 | Morphology and medium influence on microwave characteristics of nanostructures: A review. Journal of Materials Science, 2021, 56, 17457-17477. | 3.7 | 54 |
| 7 | Preparation of neat and capped BaFe<sub>2</sub>O<sub>4</sub> nanoparticles and investigation of morphology, magnetic, and polarization effects on its microwave and optical performance. Materials Research Express, 2018, 5, 105012. | 1.6 | 49 |
| 8 | Preparation and investigation of structural, magnetic, and microwave absorption properties of aluminumâ€doped strontium ferrite/MWCNT/polyaniline nanocomposite at KUâ€band frequency. Journal of Applied Polymer Science, 2017, 134, 45135. | 2.6 | 46 |
| 9 | Preparation and characterization of one-pot PANi/Fe/Fe3O4/Fe2O3 nanocomposite and investigation of its microwave, magnetic and optical performance. Synthetic Metals, 2019, 252, 40-49. | 3.9 | 46 |
| 10 | Evaluation of the size and medium effects on the microwave absorbing, magnetic, electromagnetic shielding, and optical properties using CuCo2S4 nanoparticles. Journal of Alloys and Compounds, 2020, 848, 156453. | 5.5 | 45 |
| 11 | Tailoring La0.8Sr0.2MnO3/La/Sr nanocomposite using a novel complementary method as well as dissecting its microwave, shielding, optical, and magnetic characteristics. Ceramics International, 2020, 46, 20896-20904. | 4.8 | 42 |
| 12 | Fabrication of expanded carbon microspheres/ZnAl2O4 nanocomposite and investigation of its microwave, magnetic, and optical performance. Journal of Alloys and Compounds, 2021, 854, 157273. | 5.5 | 41 |
| 13 | Electromagnetic and optical characteristics of wrinkled Ni nanostructure coated on carbon microspheres. Chemical Engineering Journal, 2021, 405, 126985. | 12.7 | 40 |
| 14 | Biomass-derived materials: Promising, affordable, capable, simple, and lightweight microwave absorbing structures. Chemical Engineering Journal, 2022, 446, 136903. | 12.7 | 38 |
| 15 | Novel, promising, and broadband microwaveâ€absorbing nanocomposite based on the graphiteâ€like carbon nitride/CuS. Journal of Applied Polymer Science, 2020, 137, 48430. | 2.6 | 36 |
| 16 | Preparation and identification of bare and capped CuFe2O4 nanoparticles using organic template and investigation of the size, magnetism, and polarization on their microwave characteristics. Nano Structures Nano Objects, 2019, 17, 112-122. | 3.5 | 35 |
| 17 | Preparation of graphite-like carbon nitride (g-C<sub>3</sub>N<sub>4</sub>)/NiCo<sub>2</sub>S<sub>4</sub> nanocomposite toward salient microwave characteristics and evaluation of medium influence on its microwave features. Nanotechnology, 2020, 31, 495202. | 2.6 | 35 |
| 18 | A novel approach toward reducing energy consumption and promoting electromagnetic interference shielding efficiency in the buildings using Brick/polyaniline nanocomposite. Construction and Building Materials, 2020, 263, 120042. | 7.2 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Preparation and Characterization of MWCNT/Zn0.25Co0.75Fe2O4 Nanocomposite and Investigation of Its Microwave Absorption Properties at X-Band Frequency Using Silicone Rubber Polymeric Matrix. Journal of Electronic Materials, 2019, 48, 3086-3095. | 2.2 | 33 |
| 20 | Preparation of graphite-like carbon nitride/polythiophene nanocomposite and investigation of its optical and microwave absorbing characteristics. Composites Communications, 2020, 21, 100421. | 6.3 | 33 |
| 21 | Architecting functionalized carbon microtube/carrollite nanocomposite demonstrating significant microwave characteristics. Scientific Reports, 2021, 11, 11932. | 3.3 | 32 |
| 22 | Preparation of self-healing hydrogel toward improving electromagnetic interference shielding and energy efficiency. Scientific Reports, 2021, 11, 16161. | 3.3 | 32 |
| 23 | Preparation and characterization of Ba0.2Sr0.2La0.6MnO3 nanoparticles and investigation of size & shape effect on microwave absorption. Journal of Magnetism and Magnetic Materials, 2017, 432, 444-449. | 2.3 | 31 |
| 24 | Synthesis and antibacterial study of 2-amino-4H-pyrans and pyrans annulated heterocycles catalyzed by sulfated polysaccharide-coated BaFe12O19 nanoparticles. Research on Chemical Intermediates, 2020, 46, 3683-3701. | 2.7 | 31 |
| 25 | Preparation and identification of modified La<sub>0.8</sub>Sr<sub>0.2</sub>FeO<sub>3</sub> nanoparticles and study of its microwave properties using silicone rubber or PVC. Materials Research Express, 2019, 6, 075004. | 1.6 | 29 |
| 26 | A novel approach to prepare one-pot Fe/PPy nanocomposite and evaluation of its microwave, magnetic, and optical performance. Materials Research Express, 2019, 6, 035024. | 1.6 | 28 |
| 27 | Preparation and Characterization of Copper Chromium Oxide Nanoparticles Using Modified Solâ€Gel Route and Evaluation of Their Microwave Absorption Properties. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900057. | 1.8 | 27 |
| 28 | Fabrication of clay soil/CuFe2O4 nanocomposite toward improving energy and shielding efficiency of buildings. Scientific Reports, 2021, 11, 20832. | 3.3 | 26 |
| 29 | Tailoring GO/BaFe<sub>12</sub>O<sub>19</sub>/La<sub>0.5</sub>Sr<sub>0.5</sub>MnO<sub>3</sub> ternary nanocomposite and investigation of its microwave characteristics. Materials Research Express, 2019, 6, 085063. | 1.6 | 24 |
| 30 | Sol-gel assisted synthesis of CuCr2O4 nanoparticles: An efficient visible-light driven photocatalyst for the degradation of water pollutions. Optik, 2018, 169, 424-431. | 2.9 | 22 |
| 31 | Functionalized carbon microfibers (biomass-derived) ornamented by Bi<sub>2</sub>S<sub>3</sub> nanoparticles: an investigation on their microwave, magnetic, and optical characteristics. Nanotechnology, 2021, 32, 065201. | 2.6 | 22 |
| 32 | La-substituted into the CuFe2O4 nanostructure: a study on its magnetic, crystal, morphological, optical, and microwave features. Journal of Materials Science: Materials in Electronics, 2020, 31, 9586-9594. | 2.2 | 20 |
| 33 | Graphite-like carbon nitride (g-C3N4): A promising microwave absorber. Ceramics International, 2022, 48, 16461-16476. | 4.8 | 19 |
| 34 | Architecting 2D (LaBa<sub>2</sub>Fe<sub>3</sub>O<sub>8.55</sub>)<sub>0.3333</sub> nanosheets using the modified sol-gel method and evaluation of their microwave, magnetic, and optical performance. Materials Research Express, 2019, 6, 105025. | 1.6 | 17 |
| 35 | Design and development of a novel lanthanum inserted CuCr2O4 nanoparticles photocatalyst for the efficient removal of water pollutions. Optik, 2019, 180, 113-124. | 2.9 | 17 |
| 36 | Preparation of a superior intense, lightweight, affordable, broadband microwave-absorbing nanocomposite by PUF/PANi. Materials Research Express, 2019, 6, 0850e9. | 1.6 | 13 |

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|---|---|---|---|
| 37 | Preparation and Investigation of Structural, Magnetic, and Microwave Absorption Properties of a SrAl<sub>1.3</sub>Fe<sub>10.7</sub>O<sub>19</sub>/Multiwalled Carbon Nanotube Nanocomposite in X and Ku-Band Frequencies. Journal of Nanoscience and Nanotechnology, 2019, 19, 3911-3918. | 0.9 | 13 |
| 38 | Functionalized carbonized monarch butterfly wing scales (FCBW) ornamented by Î²-Co(OH)<sub>2</sub> nanoparticles: an investigation on its microwave, magnetic, and optical characteristics. Nanotechnology, 2021, 32, 195201. | 2.6 | 13 |
| 39 | Preparation and Characterization of CuFe2O4 Nanoparticles by the Sol-Gel Method and Investigation of Its Microwave Absorption Properties at Ku-Band Frequency Using Silicone Rubber. Proceedings (mdpi), 2018, 2, . | 0.2 | 12 |
| 40 | Regulating microwave absorption and energy bandgap using cauliflower-like polyaniline coated on La0.8Sr0.2FeO3 nanoparticles. Journal of Materials Science: Materials in Electronics, 2021, 32, 25679-25687. | 2.2 | 12 |
| 41 | Magnetic BaFe12O19/Al2O3: An Efficient Heterogeneous Lewis Acid Catalyst for the Synthesis of Î±-Aminophosphonates (Kabachnikâ€“Fields Reaction). Catalysis Letters, 2019, 149, 3384-3394. | 2.6 | 10 |
| 42 | Preparation and Identification of BaFe2O4 Nanoparticles by the Solâ€“Gel Route and Investigation of Its Microwave Absorption Characteristics at Ku-Band Frequency Using Silicone Rubber Medium. Proceedings (mdpi), 2018, 2, . | 0.2 | 9 |
| 43 | Investigation of size and medium effects on antimicrobial properties by CuCr<sub>2</sub>O<sub>4</sub> nanoparticles and silicone rubber or PVDF. Materials Research Express, 2019, 6, 085412. | 1.6 | 9 |
| 44 | Preparation, Characterization and Antibacterial Activity Investigation of Hydrocolloids Based Irish Moss/ZnO/CuO Bio-based Nanocomposite Films. Journal of Cluster Science, 2018, 29, 1329-1336. | 3.3 | 8 |
| 45 | Preparation and Identification of CuCr2O4 Nanoparticles and Investigation of Its Microwave Absorption Characteristics at X-Band Frequency Using Silicone Rubber Polymeric Matrix. Proceedings (mdpi), 2018, 2, 1156. | 0.2 | 0 |
| 46 | <strong>Preparation and characterization of MWCNT/Zn<sub>0.25</sub>Co<sub>0.75</sub>Fe<sub>2</sub>O<sub>4</sub> nanocomposite and investigation of its microwave absorption properties at x-band by silicone rubber polymeric matrix</strong>. , 0, , . | | 0 |
| 47 | <strong>Preparation and characterization of templated barium hexaferrite (BaFe<sub>12</sub>O<sub>19</sub>) nanoparticles and investigation of its microwave absorption properties by silicone rubber matrix at x-band frequency</strong>. , 0, , . | | 0 |
| 48 | Preparation of modified SrAl <sub>1.3</sub> Fe <sub>10.7</sub> O <sub>19</sub> nanostructures and evaluation of size influence on its optical and magnetic properties. Micro and Nano Letters, 2020, 15, 759-763. | 1.3 | 0 |