

Reza Peymanfar

List of Publications by Year in descending order

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Version: 2024-02-01

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	Graphite-like carbon nitride (g-C ₃ N ₄): A promising microwave absorber. <i>Ceramics International</i> , 2022, 48, 16461-16476.	4.8	19
2	Biomass-derived materials: Promising, affordable, capable, simple, and lightweight microwave absorbing structures. <i>Chemical Engineering Journal</i> , 2022, 446, 136903.	12.7	38
3	Regulating microwave absorption and energy bandgap using cauliflower-like polyaniline coated on La _{0.8} Sr _{0.2} FeO ₃ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 25679-25687.	2.2	12
4	Electromagnetic and optical characteristics of wrinkled Ni nanostructure coated on carbon microspheres. <i>Chemical Engineering Journal</i> , 2021, 405, 126985.	12.7	40
5	Fabrication of expanded carbon microspheres/ZnAl ₂ O ₄ nanocomposite and investigation of its microwave, magnetic, and optical performance. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157273.	5.5	41
6	Functionalized carbonized monarch butterfly wing scales (FCBW) ornamented by Fe ₂ -Co(OH) ₂ nanoparticles: an investigation on its microwave, magnetic, and optical characteristics. <i>Nanotechnology</i> , 2021, 32, 195201.	2.6	13
7	Architecting functionalized carbon microtube/carrollite nanocomposite demonstrating significant microwave characteristics. <i>Scientific Reports</i> , 2021, 11, 11932.	3.3	32
8	Tailoring energy band gap and microwave absorbing features of graphite-like carbon nitride (g-C ₃ N ₄). <i>Journal of Alloys and Compounds</i> , 2021, 867, 159039.	5.5	55
9	Preparation of self-healing hydrogel toward improving electromagnetic interference shielding and energy efficiency. <i>Scientific Reports</i> , 2021, 11, 16161.	3.3	32
10	Morphology and medium influence on microwave characteristics of nanostructures: A review. <i>Journal of Materials Science</i> , 2021, 56, 17457-17477.	3.7	54
11	Functionalized carbon microfibers (biomass-derived) ornamented by Bi ₂ S ₃ nanoparticles: an investigation on their microwave, magnetic, and optical characteristics. <i>Nanotechnology</i> , 2021, 32, 065201.	2.6	22
12	Fabrication of clay soil/CuFe ₂ O ₄ nanocomposite toward improving energy and shielding efficiency of buildings. <i>Scientific Reports</i> , 2021, 11, 20832.	3.3	26
13	Novel, promising, and broadband microwave-absorbing nanocomposite based on the graphite-like carbon nitride/CuS. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48430.	2.6	36
14	Regulating the energy band-gap, UV-Vis light absorption, electrical conductivity, microwave absorption, and electromagnetic shielding effectiveness by modulating doping agent. <i>Polymer</i> , 2020, 209, 122981.	3.8	54
15	A novel approach toward reducing energy consumption and promoting electromagnetic interference shielding efficiency in the buildings using Brick/polyaniline nanocomposite. <i>Construction and Building Materials</i> , 2020, 263, 120042.	7.2	34
16	Preparation of graphite-like carbon nitride/polythiophene nanocomposite and investigation of its optical and microwave absorbing characteristics. <i>Composites Communications</i> , 2020, 21, 100421.	6.3	33
17	Evaluation of the size and medium effects on the microwave absorbing, magnetic, electromagnetic shielding, and optical properties using CuCo ₂ S ₄ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2020, 848, 156453.	5.5	45
18	Synthesis and antibacterial study of 2-amino-4H-pyrans and pyrans annulated heterocycles catalyzed by sulfated polysaccharide-coated BaFe ₁₂ O ₁₉ nanoparticles. <i>Research on Chemical Intermediates</i> , 2020, 46, 3683-3701.	2.7	31

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19	Tailoring La _{0.8} Sr _{0.2} MnO ₃ /La/Sr nanocomposite using a novel complementary method as well as dissecting its microwave, shielding, optical, and magnetic characteristics. <i>Ceramics International</i> , 2020, 46, 20896-20904.	4.8	42
20	Microwave absorption performance of ZnAl ₂ O ₄ . <i>Chemical Engineering Journal</i> , 2020, 402, 126089.	12.7	71
21	Experimental evaluation and artificial neural network modeling of thermal conductivity of water based nanofluid containing magnetic copper nanoparticles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 551, 124127.	2.6	57
22	La-substituted into the CuFe ₂ O ₄ nanostructure: a study on its magnetic, crystal, morphological, optical, and microwave features. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 9586-9594.	2.2	20
23	Preparation of graphite-like carbon nitride (g-C ₃ N ₄)/NiCo ₂ S ₄ nanocomposite toward salient microwave characteristics and evaluation of medium influence on its microwave features. <i>Nanotechnology</i> , 2020, 31, 495202.	2.6	35
24	Preparation of modified SrAl _{1.3} Fe _{10.7} O ₁₉ nanostructures and evaluation of size influence on its optical and magnetic properties. <i>Micro and Nano Letters</i> , 2020, 15, 759-763.	1.3	0
25	Magnetic BaFe ₁₂ O ₁₉ /Al ₂ O ₃ : An Efficient Heterogeneous Lewis Acid Catalyst for the Synthesis of β -Aminophosphonates (Kabachnik-Fields Reaction). <i>Catalysis Letters</i> , 2019, 149, 3384-3394.	2.6	10
26	Architecting 2D (LaBa ₂ Fe ₃ O _{8.55}) _{0.3333} nanosheets using the modified sol-gel method and evaluation of their microwave, magnetic, and optical performance. <i>Materials Research Express</i> , 2019, 6, 105025.	1.6	17
27	Preparation of a superior intense, lightweight, affordable, broadband microwave-absorbing nanocomposite by PUF/PANi. <i>Materials Research Express</i> , 2019, 6, 0850e9.	1.6	13
28	Investigation of size and medium effects on antimicrobial properties by CuCr ₂ O ₄ nanoparticles and silicone rubber or PVDF. <i>Materials Research Express</i> , 2019, 6, 085412.	1.6	9
29	Tailoring GO/BaFe ₁₂ O ₁₉ /La _{0.5} Sr _{0.5} MnO ₃ ternary nanocomposite and investigation of its microwave characteristics. <i>Materials Research Express</i> , 2019, 6, 085063.	1.6	24
30	Preparation and Characterization of Copper Chromium Oxide Nanoparticles Using Modified Sol-Gel Route and Evaluation of Their Microwave Absorption Properties. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900057.	1.8	27
31	Preparation and identification of modified La _{0.8} Sr _{0.2} FeO ₃ nanoparticles and study of its microwave properties using silicone rubber or PVC. <i>Materials Research Express</i> , 2019, 6, 075004.	1.6	29
32	Preparation and Investigation of Structural, Magnetic, and Microwave Absorption Properties of a SrAl _{1.3} Fe _{10.7} O ₁₉ /Multiwalled Carbon Nanotube Nanocomposite in X and Ku-Band Frequencies. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3911-3918.	0.9	13
33	Preparation and characterization of one-pot PANi/Fe ₃ O ₄ /Fe ₂ O ₃ nanocomposite and investigation of its microwave, magnetic and optical performance. <i>Synthetic Metals</i> , 2019, 252, 40-49.	3.9	46
34	Preparation and Characterization of MWCNT/Zn _{0.25} Co _{0.75} Fe ₂ O ₄ Nanocomposite and Investigation of Its Microwave Absorption Properties at X-Band Frequency Using Silicone Rubber Polymeric Matrix. <i>Journal of Electronic Materials</i> , 2019, 48, 3086-3095.	2.2	33
35	Design and development of a novel lanthanum inserted CuCr ₂ O ₄ nanoparticles photocatalyst for the efficient removal of water pollutions. <i>Optik</i> , 2019, 180, 113-124.	2.9	17
36	Preparation and identification of bare and capped CuFe ₂ O ₄ nanoparticles using organic template and investigation of the size, magnetism, and polarization on their microwave characteristics. <i>Nano Structures Nano Objects</i> , 2019, 17, 112-122.	3.5	35

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37	A novel approach to prepare one-pot Fe/PPy nanocomposite and evaluation of its microwave, magnetic, and optical performance. <i>Materials Research Express</i> , 2019, 6, 035024.	1.6	28
38	Preparation and Identification of CuCr ₂ O ₄ Nanoparticles and Investigation of Its Microwave Absorption Characteristics at X-Band Frequency Using Silicone Rubber Polymeric Matrix. <i>Proceedings (mdpi)</i> , 2018, 2, 1156.	0.2	0
39	Preparation and Identification of BaFe ₂ O ₄ Nanoparticles by the Sol-Gel Route and Investigation of Its Microwave Absorption Characteristics at Ku-Band Frequency Using Silicone Rubber Medium. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	9
40	Preparation and Characterization of CuFe ₂ O ₄ Nanoparticles by the Sol-Gel Method and Investigation of Its Microwave Absorption Properties at Ku-Band Frequency Using Silicone Rubber. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	12
41	Preparation, Characterization and Antibacterial Activity Investigation of Hydrocolloids Based Irish Moss/ZnO/CuO Bio-based Nanocomposite Films. <i>Journal of Cluster Science</i> , 2018, 29, 1329-1336.	3.3	8
42	Sol-gel assisted synthesis of CuCr ₂ O ₄ nanoparticles: An efficient visible-light driven photocatalyst for the degradation of water pollutions. <i>Optik</i> , 2018, 169, 424-431.	2.9	22
43	Preparation of neat and capped BaFe ₂ O ₄ nanoparticles and investigation of morphology, magnetic, and polarization effects on its microwave and optical performance. <i>Materials Research Express</i> , 2018, 5, 105012.	1.6	49
44	Preparation and characterization of Ba _{0.2} Sr _{0.2} La _{0.6} MnO ₃ nanoparticles and investigation of size & shape effect on microwave absorption. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 432, 444-449.	2.3	31
45	Preparation and investigation of structural, magnetic, and microwave absorption properties of aluminum-doped strontium ferrite/MWCNT/polyaniline nanocomposite at Ku-band frequency. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45135.	2.6	46
46	Synthesis, characterization and microwave characteristics of ternary nanocomposite of MWCNTs/doped Sr-hexaferrite/PANI. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 423, 152-157.	2.3	69
47	Preparation and characterization of MWCNT/Zn_{0.25}/Co_{0.75}/Fe₂/O₄ nanocomposite and investigation of its microwave absorption properties at x-band by silicone rubber polymeric matrix, ., ., .		
48	Preparation and characterization of templated barium hexaferrite (BaFe₁₂/O₁₉) nanoparticles and investigation of its microwave absorption properties by silicone rubber matrix at x-band frequency, ., ., .		0