Gui-Mei Shi

List of Publications by Year
in descending order

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30	536	686830 13	642321 23
papers	citations	h-index	g-index

30	30	30	473
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	One-step preparation and high-performance microwave absorption of Ni@CN/SiCN nanohybrids with multi-polarization resonance. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	5
2	Impedance-attenuation balance on Ni@CN/WO3-Î´ ternary composites to enhance microwave absorption. Journal of Materials Science: Materials in Electronics, 2022, 33, 14426-14442.	1.1	1
3	N-doped carbon nanofiber embedded with TiN nanoparticles: A type of efficient microwave absorbers with lightweight and wide-bandwidth. Journal of Alloys and Compounds, 2022, 920, 165791.	2.8	6
4	Effect of nitrogen-doping content on microwave absorption performances of Ni@NC nanocapsules. Journal of Materials Science: Materials in Electronics, 2021, 32, 1007-1021.	1.1	8
5	One-step arc synthesis and enhanced microwave absorption performances of Al-doped SiC nanoparticles. Journal of Materials Science: Materials in Electronics, 2021, 32, 6830-6842.	1.1	5
6	One-step synthesis and performances of Ni@CN nanocapsules with superior dual-function as electrocatalyst and microwave absorbent. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 615, 126162.	2.3	5
7	A facile synthesis of coreâ€“shell Fe3O4@C(N) composites and their microwave absorption properties. Journal of Materials Science: Materials in Electronics, 2021, 32, 19020-19030.	1.1	3
8	Tunable microwave absorption properties of B-doped SiC nanopowders prepared by arc-discharge method. Journal of Materials Science: Materials in Electronics, 2021, 32, 27484-27497.	1.1	9
9	Core-shell structured Co@CN nanocomposites as highly efficient dual function catalysts for reduction of toxic contaminants and hydrogen evolution reaction. Nanotechnology, 2020, 31, 065701.	1.3	9
10	MOF-derived yolkâ€“shell Ni/C architectures assembled with Ni@C coreâ€“shell nanoparticles for lightweight microwave absorbents. CrystEngComm, 2020, 22, 6796-6804.	1.3	21
11	MOF decomposed for the preparation of Co3O4/N-doped carbon with excellent microwave absorption. Journal of Solid State Chemistry, 2020, 288, 121401.	1.4	49
12	Microwave absorption and thermal conductivity properties of HO-BNNS@Fe3O4 composites. Journal of Alloys and Compounds, 2020, 837, 155574.	2.8	18
13	Facile preparation and properties of cubic TiN@CN nanocapsules as electrode materials for supercapacitors and as microwave absorbers. Journal of Materials Science: Materials in Electronics, 2020, 31, 10574-10584.	1.1	7
14	One-pot solvothermal synthesis of Fe/Fe3O4 composites with broadband microwave absorption. Journal of Alloys and Compounds, 2019, 803, 818-825.	2.8	23
15	Effects of Al content in Feâ€“Al raw material alloy on shape and microwave absorption of Fe-based nanocapsules prepared by arc discharged method. Journal of Materials Science: Materials in Electronics, 2019, 30, 20058-20068.	1.1	1
16	Znâ€“H⁺ Battery, Versatile Energy Conversion Equipment for Electricity Generation and H₂ Production Simultaneously. ACS Sustainable Chemistry and Engineering, 2019, 7, 10979-10985.	3.2	5
17	Facile synthesis of lightweight carbonized hydrochars decorated with dispersed ZnO nanocrystals and enhanced microwave absorption properties. Carbon, 2019, 150, 259-267.	5.4	33
18	Nanocrystalline graphite embedded in carbonized hydrochars: An alternative matrix material for microwave absorption. Materials Letters, 2019, 234, 249-252.	1.3	13

#	Article	IF	Citations
19	Magnetic Behavior, Electromagnetic Multiresonances, and Microwave Absorption of the Interfacial Engineered Fe@FeSi/SiO₂ Nanocomposite. ACS Applied Nano Materials, 2018, 1, 1309-1320.	2.4	40
20	Excellent electromagnetic wave absorption properties of LaOCl/C/MnO composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 2236-2243.	1.1	5
21	Excellent microwave absorption of lamellar LaOCl/C nanocomposites with LaOCl nanoparticles embedded in carbon matrix. Journal of Alloys and Compounds, 2018, 764, 701-708.	2.8	9
22	A facile strategy for synthesis of Ni@C(N) nanocapsules with enhanced catalytic activity for 4-nitrophenol reduction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 170-179.	2.3	29
23	Excellent microwave absorption of FeCo/ZnO composites with defects in ZnO for regulating the impedance matching. Journal of Alloys and Compounds, 2018, 769, 512-520.	2.8	35
24	Enhanced microwave absorption properties of modified Ni@C nanocapsules with accreted N doped C shell on surface. Journal of Materials Science: Materials in Electronics, 2018, 29, 17483-17492.	1.1	33
25	Improved microwave absorption properties of coreâ€“shell type Ni@SiC nanocomposites. Journal of Materials Science: Materials in Electronics, 2017, 28, 5887-5897.	1.1	21
26	Multiple-dielectric relaxations and excellent microwave absorption properties of LaMnO3+Î´ powders. Journal of Materials Science: Materials in Electronics, 2017, 28, 10457-10463.	1.1	3
27	Two step synthesis and enhanced microwave absorption properties of polycrystalline BaTiO3 coated Ni nanocomposites. Journal of Alloys and Compounds, 2016, 680, 735-743.	2.8	44
28	Synthesis of hierarchical cobalt dendrites based on nanoflake self-assembly and their microwave absorption properties. RSC Advances, 2016, 6, 40844-40853.	1.7	54
29	Enhanced microwave absorption properties of core double-shell type Fe@C@BaTiO3 nanocapsules. Journal of Alloys and Compounds, 2016, 655, 130-137.	2.8	35
30	Solvothermal synthesis of magnetite hollow submicrospheres and mesoporous nanoparticles. Journal of Materials Science, 2014, 49, 6029-6038.	1.7	7