Baoshan Zhang

List of Publications by Year
in descending order

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31 papers	2,610 citations	279798 23 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	1799 citing authors

#	Article	IF	Citations
1	Heterointerface Engineering in Electromagnetic Absorbers: New Insights and Opportunities. Advanced Materials, 2022, 34, e2106195.	21.0	307
2	PANI/FeCo@C composite microspheres with broadband microwave absorption performance. Composites Science and Technology, 2022, 218, 109143.	7.8	43
3	Biomass-derived graphene-like porous carbon nanosheets towards ultralight microwave absorption and excellent thermal infrared properties. Carbon, 2021, 173, 501-511.	10.3	164
4	Extending effective microwave absorbing bandwidth of CoNi bimetallic alloy derived from binary hydroxides. Scientific Reports, 2020, 10, 16044.	3.3	12
5	Accurate manipulation of single skyrmion by probe ring. Journal of Applied Physics, 2020, 128, .	2.5	3
6	Interfacial polarizations induced by incorporating traditional perovskites into reduced graphene oxide (RGO) for strong microwave response. Dalton Transactions, 2019, 48, 2359-2366.	3.3	16
7	Robust write operation in Co slotted nanoring. Journal of Applied Physics, 2019, 125, 223904.	2.5	0
8	Mesoporous carbon hollow spheres as a light weight microwave absorbing material showing modulating dielectric loss. Dalton Transactions, 2019, 48, 10145-10150.	3.3	46
9	Nanofiber network with adjustable nanostructure controlled by PVP content for an excellent microwave absorption. Scientific Reports, 2019, 9, 4271.	3.3	34
10	Biomass-Derived Porous Carbon-Based Nanostructures for Microwave Absorption. Nano-Micro Letters, 2019, 11, 24.	27.0	421
11	Coreâ€“shell hybrid nanowires with Co nanoparticles wrapped in N-doped porous carbon for lightweight microwave absorption. Dalton Transactions, 2019, 48, 15263-15271.	3.3	21
12	A biomass derived porous carbon for broadband and lightweight microwave absorption. Scientific Reports, 2019, 9, 18617.	3.3	42
13	Research of the impact of coupling between unit cells on performance of linear-to-circular polarization conversion metamaterial with half transmission and half reflection. International Journal of Modern Physics B, 2018, 32, 1850124.	2.0	0
14	Review: Recent process in the design of carbon-based nanostructures with optimized electromagnetic properties. Journal of Alloys and Compounds, 2018, 749, 887-899.	5.5	74
15	Constructing multi-interface Mo₂C/Co@C nanorods for a microwave response based on a double attenuation mechanism. Dalton Transactions, 2018, 47, 14767-14773.	3.3	26
16	Achieving Sustainable Ultralight Electromagnetic Absorber from Flour by Turning Surface Morphology of Nanoporous Carbon. ACS Sustainable Chemistry and Engineering, 2018, 6, 15850-15857.	6.7	102
17	Nano Bimetallic@Carbon Layer on Porous Carbon Nanofibers with Multiple Interfaces for Microwave Absorption Applications. ACS Applied Nano Materials, 2018, 1, 5712-5721.	5.0	45
18	High-frequency magnetodielectric response in yttrium iron garnet at room temperature. Journal of Applied Physics, 2018, 123, 205109.	2.5	5

#	Article	IF	Citations
19	Tunable storage states' transition in slotted ferromagnetic nanorings. Journal of Applied Physics, 2017, 121, .	2.5	3
20	Multiple Interfaces Structure Derived from Metal-Organic Frameworks for Excellent Electromagnetic Wave Absorption. Particle and Particle Systems Characterization, 2017, 34, 1700006.	2.3	74
21	Tailoring the input impedance of FeCo/C composites with efficient broadband absorption. Dalton Transactions, 2017, 46, 14926-14933.	3.3	78
22	Strong electric wave response derived from the hybrid of lotus roots-like composites with tunable permittivity. Scientific Reports, 2017, 7, 9462.	3.3	27
23	A proposed electron transmission mechanism between Fe³⁺/Co²⁺and Fe³⁺/Fe³⁺in the spinel structure and its practical evidence in quaternary Fe_{0.5}Ni_{0.5}Co₂S₄. Journal of Materials Chemistry C, 2016, 4, 5476-5482.	5.5	33
24	Achieving tunable electromagnetic absorber via graphene/carbon sphere composites. Carbon, 2016, 110, 130-137.	10.3	149
25	Novel nanoporous carbon derived from metalâ€“organic frameworks with tunable electromagnetic wave absorption capabilities. Inorganic Chemistry Frontiers, 2016, 3, 1516-1526.	6.0	110
26	A simple hydrothermal process to grow MoS₂ nanosheets with excellent dielectric loss and microwave absorption performance. Journal of Materials Chemistry C, 2016, 4, 6816-6821.	5.5	233
27	CoxFey@C Composites with Tunable Atomic Ratios for Excellent Electromagnetic Absorption Properties. Scientific Reports, 2015, 5, 18249.	3.3	96
28	Facile synthesis of porous coin-like iron and its excellent electromagnetic absorption performance. RSC Advances, 2015, 5, 25936-25941.	3.6	35
29	Coin-like Î±-Fe₂O₃@CoFe₂O₄ Coreâ€“Shell Composites with Excellent Electromagnetic Absorption Performance. ACS Applied Materials & Interfaces, 2015, 7, 4744-4750.	8.0	326
30	Controlled synthesis and microwave absorption properties of Ni0.6Zn0.4Fe2O4/PANI composite via an in-situ polymerization process. Journal of Magnetism and Magnetic Materials, 2015, 377, 52-58.	2.3	56
31	Influence of the magnetic field annealing on the extrinsic damping of FeCoB soft magnetic films. Journal of Applied Physics, 2010, 108, .	2.5	29