

# Bin Zhang

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48  
papers

1,363  
citations

20  
h-index

36  
g-index

49  
ext. papers

1,752  
ext. citations

4  
avg, IF

4.88  
L-index

#	Paper	IF	Citations
48	Remarkable microwave heating performance of MWCNTs/polypropylene composites verified by electromagnetic-thermal coupling experiment and simulation. <i>Composites Science and Technology</i> , <b>2022</b> , 223, 109428	8.6	1
47	Facile fabrication of single-component flame-retardant epoxy resin with rapid curing capacity and satisfied thermal resistance. <i>Reactive and Functional Polymers</i> , <b>2021</b> , 105103	4.6	2
46	ZIF-67-derived micron-sized cobalt-doped porous carbon-based microwave absorbers with g-C3N4 as template. <i>Ceramics International</i> , <b>2021</b> , 47, 11506-11513	5.1	12
45	A facile way to enhance microwave absorption properties of rGO and Fe3O4 based composites by multi-layered structure. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2021</b> , 146, 106411	8.4	8
44	Rational construction of porous N-doped FeO films on porous graphene foams by molecular layer deposition for tunable microwave absorption. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 598, 45-55	9.3	13
43	Construction of sandwich-like NiCo2O4/Graphite nanosheets/NiCo2O4 heterostructures for a tunable microwave absorber. <i>Ceramics International</i> , <b>2020</b> , 46, 19293-19301	5.1	19
42	Synergistic effect of polyhedral iron-cobalt alloys and graphite nanosheets with excellent microwave absorption performance. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 829, 154426	5.7	21
41	Facile synthesis of Co-embedded porous spherical carbon composites derived from Co3O4/ZIF-8 compounds for broadband microwave absorption. <i>Composites Science and Technology</i> , <b>2020</b> , 195, 108206	8.6	35
40	Facile Synthesis of Cobalt-Doped Porous Composites with Amorphous Carbon/Zn Shell for High-Performance Microwave Absorption. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	4
39	One-step preparation of CoFe2O4/FeCo/graphite nanosheets hybrid composites with tunable microwave absorption performance. <i>Ceramics International</i> , <b>2020</b> , 46, 12353-12363	5.1	28
38	Design of controlled-morphology NiCo2O4 with tunable and excellent microwave absorption performance. <i>Ceramics International</i> , <b>2020</b> , 46, 7833-7841	5.1	43
37	Intense shear induced caterpillar-like continuous hierarchical fiber enhanced poly(butylene succinate) biocomposite towards strong mechanical performance. <i>Composites Part B: Engineering</i> , <b>2020</b> , 200, 108273	10	3
36	Wire-in-tube ZnO@carbon by molecular layer deposition: Accurately tunable electromagnetic parameters and remarkable microwave absorption. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122860	14.7	61
35	3D-structured assembly of RGO and Ag nanowires for enhanced microwave absorption performance epoxy composites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 10321-10331	3.1	7
34	Double-shell PANS@PANI@Ag hollow microspheres and graphene dispersed in epoxy with enhanced microwave absorption. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 9785-9797	3.1	13
33	Facile synthesis of graphene oxide-wrapped CNFs as high-performance microwave absorber. <i>Ceramics International</i> , <b>2019</b> , 45, 12895-12902	5.1	13
32	Preparation of MnO2@CNFs composites and their tunable microwave absorption properties. <i>Materials Research Express</i> , <b>2019</b> , 6, 075005	1.7	7

31	High-performance microwave absorption epoxy composites filled with hollow nickel nanoparticles modified graphene via chemical etching method. <i>Composites Science and Technology</i> , <b>2019</b> , 176, 54-63	8.6	52
30	Preparation of flame-retardant cyanate ester with low dielectric constants and dissipation factors modified with novel phosphorus-contained Schiff base. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 135, 3153-3164	4.1	6
29	Design of hierarchical 1D/2D NiCo <sub>2</sub> O <sub>4</sub> as high-performance microwave absorber with strong loss and wide absorbing frequency. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 16287-16297	3.7	7
28	Enhanced microwave absorption properties of nickel-coated carbon fiber/glass fiber hybrid epoxy composites-towards an industrial reality. <i>Materials Research Express</i> , <b>2019</b> , 6, 126324	1.7	3
27	Synthesis of core-shell Fe <sub>3</sub> O <sub>4</sub> @ppy/graphite nanosheets composites with enhanced microwave absorption performance. <i>Materials Letters</i> , <b>2019</b> , 239, 136-139	3.3	17
26	Preparation of flame-retardant cyanate ester resin combined with phosphorus-containing maleimide. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2018</b> , 132, 1617-1628	4.1	4
25	Low content Ag-coated poly(acrylonitrile) microspheres and graphene for enhanced microwave absorption performance epoxy composites. <i>Materials Research Express</i> , <b>2018</b> , 5, 045040	1.7	10
24	Enhanced microwave absorption property of epoxy nanocomposites based on PANI@Fe <sub>3</sub> O <sub>4</sub> @CNFs nanoparticles with three-phase heterostructure. <i>Materials Research Express</i> , <b>2018</b> , 5, 025304	1.7	11
23	Synthesis of s-triazine based tri-imidazole derivatives and their application as thermal latent curing agents for epoxy resin. <i>Materials Letters</i> , <b>2018</b> , 216, 127-130	3.3	31
22	Synthesis of a novel reactive flame retardant containing phosphaphenanthrene and triazine-trione groups and its application in unsaturated polyester resin. <i>Materials Research Express</i> , <b>2018</b> , 5, 035306	1.7	10
21	Flame-retardant performance and mechanism of epoxy thermosets modified with a novel reactive flame retardant containing phosphorus, nitrogen, and sulfur. <i>Polymers for Advanced Technologies</i> , <b>2018</b> , 29, 497-506	3.2	48
20	Synergistic effect between a novel triazine-based flame retardant and DOPO/HPCP on epoxy resin. <i>Polymers for Advanced Technologies</i> , <b>2018</b> , 29, 2774-2783	3.2	29
19	Enhanced microwave absorption properties of epoxy composites containing graphite nanosheets@Fe <sub>3</sub> O <sub>4</sub> decorated comb-like MnO <sub>2</sub> nanoparticles. <i>Materials Research Express</i> , <b>2018</b> , 5, 056305	1.7	10
18	Synthesis of Fe@Ni nanoparticles-modified graphene/epoxy composites with enhanced microwave absorption performance. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 3348-3357	2.1	20
17	Study on properties of flame-retardant cyanate esters modified with DOPO and triazine compounds. <i>Polymers for Advanced Technologies</i> , <b>2018</b> , 29, 2574-2582	3.2	10
16	Enhanced microwave absorption properties of epoxy composites containing graphene decorated with core-shell Fe <sub>3</sub> O <sub>4</sub> @polypyrrole nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 12122-12131	2.1	23
15	Coprecipitation synthesis of hollow poly(acrylonitrile) microspheres@CoFe <sub>2</sub> O <sub>4</sub> with graphene as lightweight microwave absorber. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 3337-3348	2.1	7
14	Enhanced electromagnetic interference shielding properties of carbon fiber veil/Fe <sub>3</sub> O <sub>4</sub> nanoparticles/epoxy multiscale composites. <i>Materials Research Express</i> , <b>2017</b> , 4, 126303	1.7	26

13	Synthesis of a novel reactive flame retardant containing phosphaphenanthrene and piperidine groups and its application in epoxy resin. <i>Polymer Degradation and Stability</i> , <b>2017</b> , 146, 250-259	4.7	49
12	Combined use of lightweight magnetic Fe <sub>3</sub> O <sub>4</sub> -coated hollow glass spheres and electrically conductive reduced graphene oxide in an epoxy matrix for microwave absorption. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 401, 209-216	2.8	48
11	Microwave absorption properties of lightweight absorber based on Fe <sub>50</sub> Ni <sub>50</sub> -coated poly(acrylonitrile) microspheres and reduced graphene oxide composites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 413, 81-88	2.8	27
10	Preparation and flame retardancy of DOPO-based epoxy resin containing bismaleimide. <i>High Performance Polymers</i> , <b>2016</b> , 28, 1090-1095	1.6	17
9	A phosphorus-containing phenolic derivative and its application in benzoxazine resins: Curing behavior, thermal, and flammability properties. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	22
8	Synergistic flame-retardant effect of expandable graphite and phosphorus-containing compounds for epoxy resin: Strong bonding of different carbon residues. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 128, 89-98	4.7	97
7	Synthesis of a novel phosphorus-nitrogen type flame retardant composed of maleimide, triazine-trione, and phosphaphenanthrene and its flame retardant effect on epoxy resin. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 131, 106-113	4.7	80
6	Enhanced microwave absorption properties of epoxy composites reinforced with Fe <sub>50</sub> Ni <sub>50</sub> -functionalized graphene. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 653, 14-21	5.7	71
5	Electromagnetic interference shielding properties of nickel-coated carbon fiber veil/acid-functionalized MWCNTs/epoxy multiscale composites. <i>Journal of Reinforced Plastics and Composites</i> , <b>2015</b> , 34, 1029-1039	2.9	15
4	Acrylate copolymers as impact modifier for epoxy resin. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2015</b> , 30, 1210-1214	1	2
3	Toughening of Epoxy Resin Modified with In Situ Polymerized Acrylate Copolymer. <i>Advanced Materials Research</i> , <b>2014</b> , 910, 70-73	0.5	
2	Microwave absorption enhancement of Fe <sub>3</sub> O <sub>4</sub> /polyaniline core/shell hybrid microspheres with controlled shell thickness. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 1909-1916	2.9	118
1	Morphology-Controlled Synthesis and Electromagnetic Properties of Porous Fe <sub>3</sub> O <sub>4</sub> Nanostructures from Iron Alkoxide Precursors. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 12350-12357	3.8	203