

# Jun Wang

## List of Publications by Citations

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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.

65  
papers

2,112  
citations

28  
h-index

44  
g-index

67  
ext. papers

2,872  
ext. citations

4  
avg, IF

5.52  
L-index

#	Paper	IF	Citations
65	A liquid phosphorus-containing imidazole derivative as flame-retardant curing agent for epoxy resin with enhanced thermal latency, mechanical, and flame-retardant performances. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 386, 121984	12.8	155
64	Synthesis of a Phosphorus/Nitrogen-Containing Additive with Multifunctional Groups and Its Flame-Retardant Effect in Epoxy Resin. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 7777-7786	7.9	122
63	Preparation and flame retardancy of an intumescent flame-retardant epoxy resin system constructed by multiple flame-retardant compositions containing phosphorus and nitrogen heterocycle. <i>Polymer Degradation and Stability</i> , <b>2015</b> , 119, 251-259	4.7	121
62	Synthesis of a phosphorus/nitrogen-containing compound based on maleimide and cyclotriphosphazene and its flame-retardant mechanism on epoxy resin. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 126, 9-16	4.7	104
61	Urchin-like NiO-NiCoO heterostructure microspheres catalysts for enhanced rechargeable non-aqueous Li-O batteries. <i>Nanoscale</i> , <b>2018</b> , 11, 50-59	7.7	97
60	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
59	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
58	Benzimidazolyl-substituted cyclotriphosphazene derivative as latent flame-retardant curing agent for one-component epoxy resin system with excellent comprehensive performance. <i>Composites Part B: Engineering</i> , <b>2019</b> , 177, 107440	10	72
57	A highly fire-safe and smoke-suppressive single-component epoxy resin with switchable curing temperature and rapid curing rate. <i>Composites Part B: Engineering</i> , <b>2021</b> , 207, 108601	10	69
56	Synthesis of a DOPO-containing imidazole curing agent and its application in reactive flame retarded epoxy resin. <i>Polymer Degradation and Stability</i> , <b>2019</b> , 159, 79-89	4.7	53
55	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
54	Preparation and flame retardancy of a compounded epoxy resin system composed of phosphorus/nitrogen-containing active compounds. <i>Polymer Degradation and Stability</i> , <b>2015</b> , 121, 398-406	4.7	52
53	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
52	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
51	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
50	The synergistic effect of maleimide and phosphaphenanthrene groups on a reactive flame-retarded epoxy resin system. <i>Polymer Degradation and Stability</i> , <b>2015</b> , 115, 63-69	4.7	46
49	Design of controlled-morphology NiCo <sub>2</sub> O <sub>4</sub> with tunable and excellent microwave absorption performance. <i>Ceramics International</i> , <b>2020</b> , 46, 7833-7841	5.1	43

48	A Liquid Phosphaphenanthrene-Derived Imidazole for Improved Flame Retardancy and Smoke Suppression of Epoxy Resin. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 3566-3575	4-3	43
47	Synthesis of a phosphaphenanthrene/benzimidazole-based curing agent and its application in flame-retardant epoxy resin. <i>Polymer Degradation and Stability</i> , <b>2019</b> , 163, 100-109	4-7	40
46	Aminobenzothiazole-substituted cyclotriphosphazene derivative as reactive flame retardant for epoxy resin. <i>Reactive and Functional Polymers</i> , <b>2020</b> , 146, 104412	4-6	38
45	A DOPO based reactive flame retardant constructed by multiple heteroaromatic groups and its application on epoxy resin: curing behavior, thermal degradation and flame retardancy. <i>Polymer Degradation and Stability</i> , <b>2019</b> , 167, 10-20	4-7	37
44	Preparation and characterization of thermally-conductive silane-treated silicon nitride filled polybenzoxazine nanocomposites. <i>Materials Letters</i> , <b>2015</b> , 155, 34-37	3-3	34
43	Facile construction of one-component intrinsic flame-retardant epoxy resin system with fast curing ability using imidazole-blocked bismaleimide. <i>Composites Part B: Engineering</i> , <b>2019</b> , 177, 107380	10	32
42	MOF-derived rambutan-like nanoporous carbon/nanotubes/Co composites with efficient microwave absorption property. <i>Materials Letters</i> , <b>2019</b> , 244, 138-141	3-3	32
41	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
40	Thermal properties and flame retardancy of an intumescent flame-retarded epoxy system containing phosphaphenanthrene, triazine-trione and piperidine. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 139, 1099-1110	4-1	31
39	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
38	Effects of gamma irradiation on the mechanical and thermal properties of cyanate ester/benzoxazine resin. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 141, 110-117	2-5	28
37	One-step preparation of CoFe <sub>2</sub> O <sub>4</sub> /FeCo/graphite nanosheets hybrid composites with tunable microwave absorption performance. <i>Ceramics International</i> , <b>2020</b> , 46, 12353-12363	5-1	28
36	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
35	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
34	Synthesis of maleimide modified imidazole derivatives and their application in one-component epoxy resin systems. <i>Materials Letters</i> , <b>2019</b> , 234, 379-383	3-3	24
33	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
32	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
31	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

30	A P/N-containing flame retardant constructed by phosphaphenanthrene, phosphonate, and triazole and its flame retardant mechanism in reducing fire hazards of epoxy resin. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 49090	2.9	21
29	Graphitized nitrogen-doped porous carbon composites derived from ZIF-8 as efficient microwave absorption materials. <i>Materials Research Express</i> , <b>2018</b> , 5, 065602	1.7	20
28	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
27	Synthesis of a P/N/S-based flame retardant and its flame retardant effect on epoxy resin. <i>Fire Safety Journal</i> , <b>2020</b> , 113, 102994	3.3	15
26	Achieving full effective microwave absorption in X band by double-layered design of glass fiber epoxy composites containing MWCNTs and Fe <sub>3</sub> O <sub>4</sub> NPs. <i>Polymer Testing</i> , <b>2020</b> , 86, 106448	4.5	14
25	Fabrication, structure, and microwave absorbing properties of plate-like BaFe <sub>12</sub> O <sub>19</sub> @ZnFe <sub>2</sub> O <sub>4</sub> /MWCNTs nanocomposites. <i>Materials Letters</i> , <b>2019</b> , 253, 46-49	3.3	13
24	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
23	Electromagnetic interference shielding properties of electroless nickel-coated carbon fiber paper reinforced epoxy composites. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2014</b> , 29, 1165-1169	1	13
22	ZIF-67-derived micron-sized cobalt-doped porous carbon-based microwave absorbers with g-C <sub>3</sub> N <sub>4</sub> as template. <i>Ceramics International</i> , <b>2021</b> , 47, 11506-11513	5.1	12
21	A systematic investigation of dispersion concentration and particle size distribution of multi-wall carbon nanotubes in aqueous solutions of various dispersants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 589, 124369	5.1	11
20	Design of A High Performance Zeolite/Polyimide Composite Separator for Lithium-Ion Batteries. <i>Polymers</i> , <b>2020</b> , 12,	4.5	11
19	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
18	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
17	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
16	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
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	Preparation of MnO <sub>2</sub> @CNFs composites and their tunable microwave absorption properties. <i>Materials Research Express</i> , <b>2019</b> , 6, 075005	1.7	7
13	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	2.1	7

12	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
11	Liquid oxygen compatibility and toughness of epoxy resin modified by a novel hyperbranched polysiloxane. <i>Materials Research Express</i> , <b>2019</b> , 6, 085338	1.7	5
10	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
9	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
8	Synergetic effect of thermal conductivity and flame retardancy of cyanate ester composites containing DOPO and BN with great dielectric properties. <i>Polymers for Advanced Technologies</i> , <b>2020</b> , 31, 126-134	3.2	4
7	Green and Facile Synthesis of Bio-Based, Flame-Retardant, Latent Imidazole Curing Agent for Single-Component Epoxy Resin. <i>ACS Applied Polymer Materials</i> , <b>2022</b> , 4, 3564-3574	4.3	4
6	Fabrication of one-component epoxy resin systems using maleic acid modified imidazole derivatives. <i>Materials Research Express</i> , <b>2019</b> , 6, 105329	1.7	3
5	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
4	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
3	Study on the curing behavior of polythiol/phenolic/epoxy resin and the mechanical and thermal properties of the composites. <i>Materials Research Express</i> , <b>2021</b> , 8, 055302	1.7	2
2	Light-weight carbon fiber/silver-coated hollow glass spheres/epoxy composites as highly effective electromagnetic interference shielding material. <i>Journal of Reinforced Plastics and Composites</i> , <b>2021</b> , 42(9), 1065-1071	2.9	1
1	Study on tri-imidazole derivatives modified with triazine-trione structure as latent curing agents for epoxy resin. <i>SN Applied Sciences</i> , <b>2022</b> , 4, 1	1.8	