

# Jun Wang

## List of Publications by Year in Descending Order

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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 | 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  |           |
| 64 | 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         |
| 63 | 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         |
| 62 | 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        |
| 61 | 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         |
| 60 | 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        |
| 59 | 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        |
| 58 | 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        |
| 57 | 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         |
| 56 | Achieving full effective microwave absorption in X band by double-layered design of glass fiber epoxy composites containing MWCNTs and Fe3O4 NPs. <i>Polymer Testing</i> , <b>2020</b> , 86, 106448   | 4.5  | 14        |
| 55 | 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        |
| 54 | 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        |
| 53 | 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         |
| 52 | 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        |
| 51 | 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        |
| 50 | 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        |
| 49 | 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       |

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| 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 | 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 |
| 46 | Design of A High Performance Zeolite/Polyimide Composite Separator for Lithium-Ion Batteries. <i>Polymers</i> , <b>2020</b> , 12,  | 4-5 | 11 |
| 45 | 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 |
| 44 | 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 |
| 43 | 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  |
| 42 | Fabrication, structure, and microwave absorbing properties of plate-like BaFe12O19@ZnFe2O4/MWCNTs nanocomposites. <i>Materials Letters</i> , <b>2019</b> , 253, 46-49  | 3-3 | 13 |
| 41 | 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 |
| 40 | 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 |
| 39 | Preparation of MnO2@CNFs composites and their tunable microwave absorption properties. <i>Materials Research Express</i> , <b>2019</b> , 6, 075005   | 1-7 | 7  |
| 38 | 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 |
| 37 | 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  |
| 36 | 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  |
| 35 | Design of hierarchical 1D/2D NiCo2O4 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  |
| 34 | 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 |
| 33 | 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 |
| 32 | 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  |
| 31 | Synthesis of core-shell Fe3O4@ppy/graphite nanosheets composites with enhanced microwave absorption performance. <i>Materials Letters</i> , <b>2019</b> , 239, 136-139   | 3-3 | 17 |

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| 30 | 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 |
| 29 | 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 |
| 28 | Urchin-like NiO-NiCoO heterostructure microsphere catalysts for enhanced rechargeable non-aqueous Li-O batteries. <i>Nanoscale</i> , <b>2018</b> , 11, 50-59   | 7.7 | 97 |
| 27 | 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  |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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  |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |

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| 12 | Microwave absorption properties of lightweight absorber based on Fe50Ni50-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   |
| 11 | 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  |
| 10 | 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   |
| 9  | 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   |
| 8  | 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   |
| 7  | 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   |
| 6  | 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   |
| 5  | 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  |
| 4  | 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   | 3.9 | 122  |
| 3  | 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   |
| 2  | 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   |
| 1  | 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>2014</b> , 31, 1065-1073                            | 2.9 | 1065 |