

Shuang Yang

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.

34
papers

1,226
citations

21
h-index

35
g-index

36
ext. papers

1,717
ext. citations

4.6
avg, IF

5.01
L-index

#	Paper	IF	Citations
34	Green and Facile Synthesis of Bio-Based, Flame-Retardant, Latent Imidazole Curing Agent for Single-Component Epoxy Resin. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 3564-3574	4.3	4
33	Facile fabrication of single-component flame-retardant epoxy resin with rapid curing capacity and satisfied thermal resistance. <i>Reactive and Functional Polymers</i> , 2021 , 105103	4.6	2
32	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> , 2021 , 207, 108601	10	69
31	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> , 2020 , 137, 49090	2.9	21
30	Facile Synthesis of Cobalt-Doped Porous Composites with Amorphous Carbon/Zn Shell for High-Performance Microwave Absorption. <i>Nanomaterials</i> , 2020 , 10,	5.4	4
29	Aminobenzothiazole-substituted cyclotriphosphazene derivative as reactive flame retardant for epoxy resin. <i>Reactive and Functional Polymers</i> , 2020 , 146, 104412	4.6	38
28	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> , 2020 , 386, 121984	12.8	155
27	A Liquid Phosphaphenanthrene-Derived Imidazole for Improved Flame Retardancy and Smoke Suppression of Epoxy Resin. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 3566-3575	4.3	43
26	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> , 2019 , 177, 107440	10	72
25	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> , 2019 , 167, 10-20	4.7	37
24	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> , 2019 , 135, 3153-3164	4.1	6
23	Fabrication of one-component epoxy resin systems using maleic acid modified imidazole derivatives. <i>Materials Research Express</i> , 2019 , 6, 105329	1.7	3
22	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> , 2019 , 177, 107380	10	32
21	Acidic Site-Assisted Ammonia Sensing of Novel CuSbS Quantum Dots/Reduced Graphene Oxide Composites with an Ultralow Detection Limit at Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9573-9582	9.5	28
20	Synthesis of a DOPO-containing imidazole curing agent and its application in reactive flame retarded epoxy resin. <i>Polymer Degradation and Stability</i> , 2019 , 159, 79-89	4.7	53
19	Synthesis of maleimide modified imidazole derivatives and their application in one-component epoxy resin systems. <i>Materials Letters</i> , 2019 , 234, 379-383	3.3	24
18	Synthesis of a phosphorus-nitrogen-containing flame retardant and its application in epoxy resin. <i>High Performance Polymers</i> , 2019 , 31, 186-196	1.6	29

17	Preparation of flame-retardant cyanate ester resin combined with phosphorus-containing maleimide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 132, 1617-1628	4.1	4
16	Synthesis of s-triazine based tri-imidazole derivatives and their application as thermal latent curing agents for epoxy resin. <i>Materials Letters</i> , 2018 , 216, 127-130	3.3	31
15	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> , 2018 , 29, 497-506	3.2	48
14	Synergistic effect between a novel triazine-based flame retardant and DOPO/HPCP on epoxy resin. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 2774-2783	3.2	29
13	Study on properties of flame-retardant cyanate esters modified with DOPO and triazine compounds. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 2574-2582	3.2	10
12	Enhanced microwave absorption properties of epoxy composites containing graphene decorated with core-shell Fe ₃ O ₄ @polypyrrole nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 12122-12131	2.1	23
11	Preparation and investigation of flame-retardant epoxy resin modified with a novel halogen-free flame retardant containing phosphaphenanthrene, triazine-trione, and organoboron units. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45291	2.9	21
10	Synthesis of a novel reactive flame retardant containing phosphaphenanthrene and piperidine groups and its application in epoxy resin. <i>Polymer Degradation and Stability</i> , 2017 , 146, 250-259	4.7	49
9	Investigation on the Transformation of Absorbed Oxygen at ZnO {101 0} Surface Based on a Novel Thermal Pulse Method and Density Functional Theory Simulation. <i>ACS Sensors</i> , 2017 , 2, 1051-1059	9.2	11
8	Preparation and flame retardancy of DOPO-based epoxy resin containing bismaleimide. <i>High Performance Polymers</i> , 2016 , 28, 1090-1095	1.6	17
7	A phosphorus-containing phenolic derivative and its application in benzoxazine resins: Curing behavior, thermal, and flammability properties. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	22
6	The synergistic effect of maleimide and phosphaphenanthrene groups on a reactive flame-retarded epoxy resin system. <i>Polymer Degradation and Stability</i> , 2015 , 115, 63-69	4.7	46
5	Experimental Determination of Phase Equilibria in the Sn-Zn-Sb System. <i>Journal of Phase Equilibria and Diffusion</i> , 2015 , 36, 350-356	1	6
4	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> , 2015 , 119, 251-259	4.7	121
3	Enhanced gas sensing properties of V ₂ O ₅ nanowires decorated with SnO ₂ nanoparticles to ethanol at room temperature. <i>RSC Advances</i> , 2015 , 5, 41050-41058	3.7	43
2	Synthesis of a Phosphorus/Nitrogen-Containing Additive with Multifunctional Groups and Its Flame-Retardant Effect in Epoxy Resin. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 7777-7786	3.9	122
1	Acrylate copolymers as impact modifier for epoxy resin. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015 , 30, 1210-1214	1	2