

Weihua Meng

List of Publications by Year in descending order

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papers

551
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858243

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times ranked

473
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphor nitrile functionalized UiO-66-NH ₂ /graphene hybrid flame retardants for fire safety of epoxy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 635, 128093.	2.3	26
2	A core-shell-structured APP@COFs hybrid for enhanced flame retardancy and mechanical property of epoxy resin (EP). <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 1743-1755.	9.9	58
3	Assembling MXene with bio-phytic acid: Improving the fire safety and comprehensive properties of epoxy resin. <i>Polymer Testing</i> , 2022, 110, 107564.	2.3	33
4	Chitosan-regulated inorganic oxyacid salt flame retardants: preparation and application in PVC composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 146, 1629-1639.	2.0	9
5	Fabrication of surface-modified magnesium hydroxide using Ni ²⁺ chelation method and layer-by-layer assembly strategy: Improving the flame retardancy and smoke suppression properties of ethylene-vinyl acetate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125712.	2.3	16
6	Synthesis of ZIF-8 with encapsulated hexachlorocyclotriphosphazene and its quenching mechanism for flame-retardant epoxy resin. <i>Microporous and Mesoporous Materials</i> , 2021, 314, 110885.	2.2	44
7	Nickel Ammonium Phosphate Nanowires Modified g-C ₃ N ₄ for Improving the Fire Safety of Epoxy Resin. <i>Fibers and Polymers</i> , 2021, 22, 2664-2672.	1.1	7
8	Novel [BMIM]PF ₆ modified flake-ANP flame retardant: Synthesis and application in epoxy resin. <i>Polymer Testing</i> , 2021, 101, 107284.	2.3	14
9	Green fabrication of superhydrophilic and underwater superoleophobic coatings with applications in oil-water separation, photocatalysis and fire-retardance. <i>Separation and Purification Technology</i> , 2020, 233, 115988.	3.9	33
10	Investigation of nickel ammonia phosphate with different morphologies as a new high-efficiency flame retardant for epoxy resin. <i>High Performance Polymers</i> , 2020, 32, 359-370.	0.8	9
11	Geometric structures, electronic characteristics, stabilities, catalytic activities, and descriptors of graphene-based single-atom catalysts. <i>Nano Materials Science</i> , 2020, 2, 120-131.	3.9	55
12	Nickel ammonium phosphate and reduced graphene oxide ^{two-dimensional} hybrid material for improving the fire safety and mechanical properties of ^{poly(vinyl chloride)}. <i>Polymer International</i> , 2020, 69, 1227-1236.	1.6	9
13	Bio-based phytic acid and tannic acid chelate-mediated interfacial assembly of Mg(OH) ₂ for simultaneously improved flame retardancy, smoke suppression and mechanical properties of PVC. <i>Composites Part B: Engineering</i> , 2020, 188, 107854.	5.9	78
14	Core-Shell Graphitic Carbon Nitride/Zinc Phytate as a Novel Efficient Flame Retardant for Fire Safety and Smoke Suppression in Epoxy Resin. <i>Polymers</i> , 2020, 12, 212.	2.0	24
15	Bio-based Mg(OH) ₂ @MgPhyt: improving the flame-retardant and mechanical properties of flexible poly(vinyl chloride). <i>Polymer International</i> , 2019, 68, 1759-1766.	1.6	23
16	Photocatalytically Stable Superhydrophobic and Translucent Coatings Generated from PDMS-Grafted-SiO ₂ /TiO ₂ @PDMS with Multiple Applications. <i>Langmuir</i> , 2019, 35, 2760-2771.	1.6	65
17	Biotemplated facile synthesis of three-dimensional micro/nanoporous tin oxide: improving the flammable and mechanical properties of flexible PVC. <i>Micro and Nano Letters</i> , 2019, 14, 828-830.	0.6	4
18	Application of metallic phytates to poly(vinyl chloride) as efficient biobased phosphorous flame retardants. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46601.	1.3	44