

Zaihang

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

642
citations

623734

14
h-index

642732

23
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23
all docs

23
docs citations

23
times ranked

680
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergistic effect of expandable graphite and intumescent flame retardants on the flame retardancy and thermal stability of polypropylene. <i>Journal of Materials Science</i> , 2016, 51, 5857-5871.	3.7	100
2	Preparation of a novel phosphorus- and nitrogen-containing flame retardant and its synergistic effect in the intumescent flame-retarding polypropylene system. <i>Polymer Composites</i> , 2015, 36, 1606-1619.	4.6	89
3	Fabrication of cellulose-based halogen-free flame retardant and its synergistic effect with expandable graphite in polypropylene. <i>Carbohydrate Polymers</i> , 2019, 213, 257-265.	10.2	58
4	Preparation and characterization of microencapsulated ammonium polyphosphate and its synergistic flame-retarded polyurethane rigid foams with expandable graphite. <i>Polymer International</i> , 2014, 63, 84-92.	3.1	52
5	Preparation of microencapsulated ammonium polyphosphate with carbon source- and blowing agent-containing shell and its flame retardance in polypropylene. <i>Journal of Polymer Research</i> , 2014, 21, 1.	2.4	40
6	Co-microencapsulation of ammonium polyphosphate and aluminum hydroxide in halogen-free and intumescent flame-retarding polypropylene. <i>Polymer Composites</i> , 2014, 35, 715-729.	4.6	38
7	Improving the electroactive phase, thermal and dielectric properties of PVDF/graphene oxide composites by using methyl methacrylate-co-glycidyl methacrylate copolymers as compatibilizer. <i>Journal of Materials Science</i> , 2019, 54, 3832-3846.	3.7	37
8	Facile fabrication of robust, biomimetic and superhydrophobic polymer/graphene-based coatings with self-cleaning, oil-water separation, anti-icing and corrosion resistance properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127164.	4.7	32
9	Fabrication of biomimetic hydrophobic patterned graphene surface with ecofriendly anti-corrosion properties for Al alloy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 500, 64-71.	4.7	31
10	Preparation and characterization of polystyrene/modified carbon black composite beads via in situ suspension polymerization. <i>Polymer Composites</i> , 2013, 34, 1110-1118.	4.6	25
11	A facile in situ pillaring method—the synthesis of Al-pillared montmorillonite. <i>Applied Clay Science</i> , 2014, 88-89, 228-232.	5.2	19
12	A facile and novel modification method of β -cyclodextrin and its application in intumescent flame-retarding polypropylene with melamine phosphate and expandable graphite. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	19
13	Fabrication of halogen-free ammonium phosphate with two components via a simple method and its flame retardancy in polypropylene composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 2013-2023.	3.6	18
14	Facile fabrication of starch-based, synergistic intumescent and halogen-free flame retardant strategy with expandable graphite in enhancing the fire safety of polypropylene. <i>Industrial Crops and Products</i> , 2022, 184, 115002.	5.2	15
15	Microencapsulated melamine phosphate via the sol-gel method and its application in halogen-free and intumescent flame-retarding acrylonitrile-butadiene-styrene copolymer. <i>Polymer International</i> , 2015, 64, 1275-1288.	3.1	14
16	Facile fabrication of cyclodextrin-based and integrated flame retardant in intumescent flame-retarding polypropylene. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 146, 2375-2386.	3.6	12
17	Synthesis and surface properties of semi-interpenetrating fluorine-containing polyacrylate and epoxy resin networks. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	11
18	Experimental investigation on the role of PVA in eliminating inhibition phenomenon of carbon black during the synthesis of polystyrene/carbon black composite particles. <i>Polymer Engineering and Science</i> , 2012, 52, 1309-1316.	3.1	10

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19	Synergistic effect of organically modified zinc aluminum layered double hydroxide in intumescent flame-retarding polypropylene composites containing melamine phytate and dipentaerythritol. <i>Polymer Engineering and Science</i> , 2019, 59, 2301-2312.	3.1	7
20	Fabrication of starch-based multi-source integrated halogen-free flame retardant in improving the fire safety of polypropylene. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	7
21	A Facile and Green Construction of Biomimetic, Fluorine-free and Superhydrophobic Melamine Sponge with Magnetic-driven Function for Efficient Oil-water Separation and Oil Absorption. <i>Journal of Bionic Engineering</i> , 2021, 18, 1168-1178.	5.0	6
22	Multi-scales association modeling of membrane water resistance indexes. <i>Journal of Mathematical Chemistry</i> , 2010, 48, 720-732.	1.5	1
23	Multifunctional fluorine-free superhydrophobic coating with flame-retardant, anti-icing, anti-corrosion, and oil-water separation properties. <i>Biosurface and Biotribology</i> , 2022, 8, 23-33.	1.5	1