

Xiangmei Li

List of Publications by Year in descending order

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papers

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citations

471509

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997
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrolysis and fire behaviour of epoxy resin composites based on a phosphorus-containing polyhedral oligomeric silsesquioxane (DOPO-POSS). <i>Polymer Degradation and Stability</i> , 2011, 96, 1821-1832.	5.8	175
2	Novel flame retardancy effects of DOPO-POSS on epoxy resins. <i>Polymer Degradation and Stability</i> , 2011, 96, 2167-2173.	5.8	163
3	Mechanical and thermal properties and flame retardancy of phosphorus-containing polyhedral oligomeric silsesquioxane (DOPO-POSS)/polycarbonate composites. <i>Polymer Degradation and Stability</i> , 2010, 95, 2541-2546.	5.8	138
4	Study on mechanism of phosphorus-silicon synergistic flame retardancy on epoxy resins. <i>Polymer Degradation and Stability</i> , 2012, 97, 2241-2248.	5.8	119
5	Blowing-out effect in epoxy composites flame retarded by DOPO-POSS and its correlation with amide curing agents. <i>Polymer Degradation and Stability</i> , 2012, 97, 1314-1324.	5.8	108
6	Study of the synergistic effect of silicon and phosphorus on the blowing-out effect of epoxy resin composites. <i>Polymer Degradation and Stability</i> , 2012, 97, 1041-1048.	5.8	94
7	Study on flame retardancy of TGDDM epoxy resins loaded with DOPO-POSS compound and OPS/DOPO mixture. <i>Polymer Degradation and Stability</i> , 2014, 99, 118-126.	5.8	67
8	Mechanical, thermal properties, and flame retardancy of PC/ultrafine octaphenyl-POSS composites. <i>Journal of Applied Polymer Science</i> , 2012, 124, 3807-3814.	2.6	57
9	Flame retardant mechanisms of phosphorus-containing polyhedral oligomeric silsesquioxane (DOPO-POSS) in polycarbonate composites. <i>Journal of Applied Polymer Science</i> , 2012, 124, 1848-1857.	2.6	47
10	Investigations of epoxy resins flame-retarded by phenyl silsesquioxanes of cage and ladder structures. <i>Polymer Degradation and Stability</i> , 2013, 98, 246-254.	5.8	46
11	Multidrug-resistant clones of community-associated meticillin-resistant <i>Staphylococcus aureus</i> isolated from Chinese children and the resistance genes to clindamycin and mupirocin. <i>Journal of Medical Microbiology</i> , 2012, 61, 1240-1247.	1.8	40
12	Flame retardancy mechanisms of phosphorus-containing polyhedral oligomeric silsesquioxane (DOPO-POSS) in polycarbonate/acrylonitrile-butadiene-styrene blends. <i>Polymers for Advanced Technologies</i> , 2012, 23, 588-595.	3.2	39
13	Polycarbonate composites flame-retarded by polyphenylsilsesquioxane of ladder structure. <i>Journal of Applied Polymer Science</i> , 2012, 124, 4381-4388.	2.6	38
14	Blowing-out effect and temperature profile in condensed phase in flame retarding epoxy resins by phosphorus-containing oligomeric silsesquioxane. <i>Polymers for Advanced Technologies</i> , 2013, 24, 951-961.	3.2	38
15	Mitigation the release of toxic PH ₃ and the fire hazard of PA6/AHP composite by MOFs. <i>Journal of Hazardous Materials</i> , 2020, 395, 122604.	12.4	33
16	Nickle nanocrystals decorated on graphitic nanotubes with broad channels for fire hazard reduction of epoxy resin. <i>Journal of Hazardous Materials</i> , 2021, 402, 123880.	12.4	25
17	Effects of an Organic-Inorganic Hybrid Containing Allyl Benzoxazine and POSS on Thermal Properties and Flame Retardancy of Epoxy Resin. <i>Polymers</i> , 2019, 11, 770.	4.5	20
18	The effect of pyrolysis gaseous and condensed char of PC/PPSQ composite on combustion behavior. <i>Polymer Degradation and Stability</i> , 2016, 129, 47-55.	5.8	16

#	ARTICLE	IF	CITATIONS
19	Ammonium polyphosphate/montmorillonite nanocomposite with a completely exfoliated structure and charring agent flame retardant thermoplastic polyurethane. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 283, 115825.	3.5	16
20	Thermal curing and degradation mechanism of polyhedral oligomeric octa(propargylaminophenyl)silsesquioxane. <i>Polymer Degradation and Stability</i> , 2013, 98, 281-287.	5.8	13
21	The study of char forming on OPS/PC and DOPO-POSS/PC composites. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	10
22	Rheological behavior of polycarbonate/ultrafine octaphenyl silsesquioxane (OPS) composites. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	10
23	Effects of triphenyl phosphate on styrene suspension polymerization process and flame retardance properties of polystyrene/triphenyl phosphate nanocomposite. <i>Colloid and Polymer Science</i> , 2016, 294, 1153-1163.	2.1	9
24	Melamine-based polyol containing phosphonate and alkynyl groups and its application in rigid polyurethane foam. <i>Journal of Materials Science</i> , 2021, 56, 870-885.	3.7	9
25	Toxicity analysis of second use lithium-ion battery separator and electrolyte. <i>Polymer Testing</i> , 2020, 81, 106175.	4.8	8
26	The effects of DOPO modified Co-based metalorganic framework on flame retardancy, stiffness and thermal stability of epoxy resin. <i>RSC Advances</i> , 2021, 11, 6781-6790.	3.6	8
27	Effects of polymerization conditions on particle size distribution in styrene-graphite suspension polymerization process. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	6
28	Curing and thermal behaviors of inorganic-organic hybrid polyarylacetylene resins with polyhedral oligomeric octa(propargylaminophenyl)silsesquioxane. <i>Journal of Applied Polymer Science</i> , 2013, 128, 4361-4367.	2.6	4
29	The effects of APP, APP/MMT nanocomposites on the thermal degradation of ABS resin. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	4
30	Failure behavior of nylon products for red phosphorus flame retardant electrical connectors. <i>RSC Advances</i> , 2019, 9, 24935-24941.	3.6	4
31	High thermal stability and low flammability for Ethylene-Vinyl acetate Monomer/Ethylene-Propylene-Diene Monomer by incorporating macromolecular charring agent. <i>Polymers for Advanced Technologies</i> , 2021, 32, 2444-2451.	3.2	4
32	Fabrication of Enhanced Mechanical Properties and Intrinsic Flame-Retardant Polyurethane Elastomer Containing 4-(Phenylethynyl) Di(Ethylene Glycol) Phthalate. <i>Polymers</i> , 2021, 13, 2388.	4.5	3
33	Purity Analysis of Polyhedral Oligomeric Octa(nitrophenyl)silsesquioxane. <i>Acta Chimica Sinica</i> , 2012, 70, 1737.	1.4	3
34	Facile Preparation and Characterization of Polystyrene/Triphenyl Phosphate Nanocomposite via Suspension Polymerization. <i>Chemistry Letters</i> , 2015, 44, 1762-1764.	1.3	2