

Rongjie Yang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5983898/rongjie-yang-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

1,188
citations

16
h-index

33
g-index

55
ext. papers

1,545
ext. citations

6.6
avg, IF

5.27
L-index

#	Paper	IF	Citations
49	Polymer/polyhedral oligomeric silsesquioxane (POSS) nanocomposites: An overview of fire retardance. <i>Progress in Polymer Science</i> , 2017 , 67, 77-125	29.6	243
48	Study on mechanism of phosphorus-silicon synergistic flame retardancy on epoxy resins. <i>Polymer Degradation and Stability</i> , 2012 , 97, 2241-2248	4.7	105
47	Using TGA/FTIR TGA/MS and cone calorimetry to understand thermal degradation and flame retardancy mechanism of polycarbonate filled with solid bisphenol A bis(diphenyl phosphate) and montmorillonite. <i>Polymer Degradation and Stability</i> , 2012 , 97, 605-614	4.7	103
46	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	4.7	84
45	The characterization of DOPO/MMT nanocompound and its effect on flame retardancy of epoxy resin. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 98, 124-135	8.4	73
44	High-efficiency flame retardancy of epoxy resin composites with perfect T8 caged phosphorus containing polyhedral oligomeric silsesquioxanes (P-POSSs). <i>Composites Science and Technology</i> , 2016 , 127, 8-19	8.6	69
43	Synthesis of a novel dual layered double hydroxide hybrid nanomaterial and its application in epoxy nanocomposites. <i>Chemical Engineering Journal</i> , 2020 , 381, 122777	14.7	57
42	Investigations of epoxy resins flame-retarded by phenyl silsesquioxanes of cage and ladder structures. <i>Polymer Degradation and Stability</i> , 2013 , 98, 246-254	4.7	42
41	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	35
40	The rise of MOFs and their derivatives for flame retardant polymeric materials: A critical review. <i>Composites Part B: Engineering</i> , 2020 , 199, 108265	10	33
39	Confined Dispersion of Zinc Hydroxystannate Nanoparticles into Layered Bimetallic Hydroxide Nanocapsules and Its Application in Flame-Retardant Epoxy Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 40951-40960	9.5	32
38	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	31
37	Optically transparent and flame-retarded polycarbonate nanocomposite based on diphenylphosphine oxide-containing polyhedral oligomeric silsesquioxanes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 117, 92-102	8.4	31
36	Dry synthesis of mesoporous nanosheet assembly constructed by cyclomatrix polyphosphazene frameworks and its application in flame retardant polypropylene. <i>Chemical Engineering Journal</i> , 2020 , 395, 125076	14.7	30
35	FTIR and GCMS analysis of epoxy resin decomposition products feeding the flame during UL 94 standard flammability test. Application to the understanding of the blowing-out effect in epoxy/polyhedral silsesquioxane formulations. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018 , 135, 271-288	6	19
34	Facile synthesis of transition metal containing polyhedral oligomeric silsesquioxane complexes with mesoporous structures and their applications in reducing fire hazards, enhancing mechanical and dielectric properties of epoxy composites. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123439	12.8	17
33	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	12.8	15

32	Crystallization, flame-retardant, and mechanical behaviors of poly(lactic acid)9,10-dihydro-9-oxa-10-phosphaphenanthrene-10-oxide/calcium montmorillonite nanocomposite. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 46982	2.9	14
31	Preparation and Characterization of Organic-Inorganic Hybrid Macrocyclic Compounds: Cyclic Ladder-like Polyphenylsilsesquioxanes. <i>Inorganic Chemistry</i> , 2018 , 57, 3883-3892	5.1	13
30	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	4.7	13
29	Synthesis of incompletely caged silsesquioxane (T7-POSS) compounds via a versatile three-step approach. <i>Research on Chemical Intermediates</i> , 2018 , 44, 4277-4294	2.8	12
28	Flame retardant and mechanism of vinyl ester resin modified by octaphenyl polyhedral oligomeric silsesquioxane. <i>Polymers for Advanced Technologies</i> , 2019 , 30, 3061-3072	3.2	8
27	Pyrolysis of ammonium perfluorooctanoate (APFO) and its interaction with nano-aluminum. <i>Chemical Engineering Journal</i> , 2021 , 403, 126367	14.7	8
26	Enhanced fire safety and mechanical properties of epoxy resin composites based on submicrometer-sized rod-structured methyl macrocyclic silsesquioxane sodium salt. <i>Chemical Engineering Journal</i> , 2021 , 425, 130566	14.7	8
25	Study on flame retardancy of APP/PEPA/MoO ₃ synergism in vinyl ester resins. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49026	2.9	7
24	Interdigitated crystalline MMT-MCA: Preparation and characterization. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 22-29	3.2	7
23	Delamination and Engineered Interlayers of TiC MXenes using Phosphorous Vapor toward Flame-Retardant Epoxy Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 48196-48207	9.5	7
22	Flame retardant epoxy composites with epoxy-containing polyhedral oligomeric silsesquioxanes. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 2058-2074	3.2	6
21	The Effect of Different Smoke Suppressants with APP for Enhancing the Flame Retardancy and Smoke Suppression on Vinyl Ester Resin. <i>Polymer Engineering and Science</i> , 2020 , 60, 314-322	2.3	6
20	Study on Interaction between Propargyl-Terminated Polybutadiene and Plasticizers Based on Simulation and Experiments. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 6370-6377	2.8	5
19	Halogen-free and phosphorus-free flame-retarded polycarbonate using cyclic polyphenylsilsesquioxanes. <i>Journal of Materials Science</i> , 2020 , 55, 10953-10967	4.3	5
18	Crystallization and flame-retardant properties of polylactic acid composites with polyhedral octaphenyl silsesquioxane. <i>Polymers for Advanced Technologies</i> , 2018 , 30, 648	3.2	5
17	Enhanced mechanical and flame retardancy properties of vinyl ester resin systems with the synthesis of two flame retardants with vinyl group. <i>Polymer International</i> , 2020 , 69, 1196-1206	3.3	4
16	Flame retardant composites of ladder phenyl/vinyl polysilsesquioxane-reinforced vinyl ester. <i>Journal of Materials Science</i> , 2021 , 56, 457-473	4.3	4
15	High-transparency polysilsesquioxane/glycidyl-azide-polymer resin and its fiberglass-reinforced composites with excellent fire resistance, mechanical properties, and water resistance. <i>Composites Part B: Engineering</i> , 2021 , 219, 108913	10	4

14	Direct diazotization of graphite nanoplatelets with melamine and their favorable application in epoxy resins. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 1300-1311	3.2	3
13	Mechanical and flame-retardant properties and thermal decomposition of vinyl ester resin modified by different phenyl silsesquioxanes. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 1836-1846	3.2	3
12	Preparation of efficiently intumescent-flame-retarded polypropylene composite: synergistic effect of novel phosphorus-containing polyhedral oligomeric silsesquioxane. <i>Plastics, Rubber and Composites</i> , 2021 , 50, 464-476	1.5	3
11	Synthesis of novel phosphonium bromide-montmorillonite nanocompound and its performance in flame retardancy and dielectric properties of epoxy resins. <i>Polymer Composites</i> , 2021 , 42, 362-374	3	3
10	Improved mechanical and flame resistance properties of vinyl ester resin composites by lithium containing polyhedral oligomeric phenyl silsesquioxane. <i>Polymer Composites</i> , 2021 , 42, 5424	3	3
9	High-Performance Biobased Vinyl Ester Resin with Schiff Base Derived from Vanillin. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 2604-2613	4.3	3
8	Controllable dimensions and regular geometric architectures from self-assembly of lithium-containing polyhedral oligomeric silsesquioxane: Build for enhancing the fire safety of epoxy resin. <i>Composites Part B: Engineering</i> , 2022 , 229, 109483	10	2
7	Interpenetrating polymer network-based composites reinforced by polysilsesquioxanes: Molecular dynamic simulations and experimental analysis. <i>Composites Part B: Engineering</i> , 2021 , 209, 108604	10	2
6	Effect of polyhedral oligomeric silsesquioxanes with different structures on dielectric and mechanical properties of epoxy resin. <i>Polymer Composites</i> , 2021 , 42, 3445-3457	3	2
5	Synthesis and thermal curing of liquid unsaturated polysilsesquioxane and its mechanical and thermal properties. <i>Polymer Degradation and Stability</i> , 2020 , 178, 109200	4.7	1
4	Perfluoroalkyl Acid-Functionalized Aluminum Nanoparticles for Fluorine Fixation and Energy Generation. <i>ACS Applied Nano Materials</i> , 2021 , 4, 6337-6344	5.6	1
3	Polycarbonate composites with high light transmittance, haze, and flame retardancy based on a series of incomplete-cage oligomeric silsesquioxanes. <i>Journal of Materials Science</i> , 2021 , 56, 428-441	4.3	1
2	Mechanical and flame retardant performance of fiberglass-reinforced polysilsesquioxane interpenetrated with poly(ethylene glycol)-urethane. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 149, 106490	8.4	0
1	Synthesis and performance of intrinsically flame-retardant, low-smoke biobased vinyl ester resin. <i>Reactive and Functional Polymers</i> , 2022 , 171, 105158	4.6	