

Hongyu Yang

List of Publications by Year in descending order

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16
papers

934
citations

567281

15
h-index

940533

16
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16
all docs

16
docs citations

16
times ranked

829
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface modification of core-shell structured ZIF-67@Cobalt coordination compound to improve the fire safety of biomass aerogel insulation materials. <i>Chemical Engineering Journal</i> , 2022, 430, 132809.	12.7	41
2	In situ fabrication of melamine hydroxy ethylidene diphosphonate wrapped montmorillonite for reducing the fire hazards of epoxy resin. <i>Applied Clay Science</i> , 2021, 201, 105934.	5.2	21
3	A novel biomass thermoresponsive konjac glucomannan composite gel developed to control the coal spontaneous combustion: Fire prevention and extinguishing properties. <i>Fuel</i> , 2021, 306, 121757.	6.4	39
4	Facile synthesis of a novel transparent hyperbranched phosphorous/nitrogen-containing flame retardant and its application in reducing the fire hazard of epoxy resin. <i>Journal of Hazardous Materials</i> , 2019, 379, 120793.	12.4	137
5	Density Effect on Flame Retardancy, Thermal Degradation, and Combustibility of Rigid Polyurethane Foam Modified by Expandable Graphite or Ammonium Polyphosphate. <i>Polymers</i> , 2019, 11, 668.	4.5	25
6	An effective approach to reducing fire hazards of rigid polyurethane foam: fire protective coating. <i>Journal of Coatings Technology Research</i> , 2019, 16, 257-261.	2.5	4
7	Facile design of transition metal based organophosphorus hybrids towards the flame retardancy reinforcement and toxic effluent elimination of polystyrene. <i>Materials Chemistry and Physics</i> , 2018, 214, 209-220.	4.0	18
8	Phosphorylated chitosan-cobalt complex: A novel green flame retardant for polylactic acid. <i>Polymers for Advanced Technologies</i> , 2018, 29, 860-866.	3.2	31
9	Diphase flame-retardant effect of ammonium polyphosphate and dimethyl methyl phosphonate on polyisocyanurate-polyurethane foam. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2917-2925.	3.2	17
10	Mechanical, thermal and fire performance of an inorganic-organic insulation material composed of hollow glass microspheres and phenolic resin. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 163-170.	9.4	119
11	Phosphorus and Nitrogen-Containing Polyols: Synergistic Effect on the Thermal Property and Flame Retardancy of Rigid Polyurethane Foam Composites. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10813-10822.	3.7	150
12	Hyperbranched phosphorus/nitrogen-containing polymer in combination with ammonium polyphosphate as a novel flame retardant system for polypropylene. <i>Polymer Degradation and Stability</i> , 2016, 134, 179-185.	5.8	65
13	Aluminum hypophosphite in combination with expandable graphite as a novel flame retardant system for rigid polyurethane foams. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1034-1043.	3.2	67
14	Functionalized lignin for halogen-free flame retardant rigid polyurethane foam: preparation, thermal stability, fire performance and mechanical properties. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	89
15	A novel polyurethane prepolymer as toughening agent: Preparation, characterization, and its influence on mechanical and flame retardant properties of phenolic foam. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2720-2728.	2.6	62
16	Fire performance and mechanical properties of phenolic foams modified by phosphorus-containing polyethers. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	49