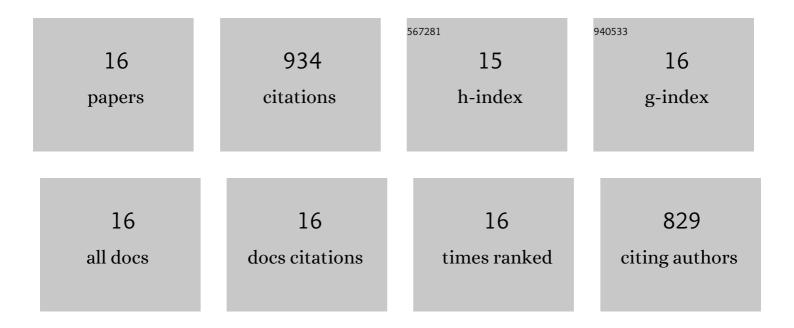
Hongyu Yang

List of Publications by Year in descending order

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#	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. Chemical Engineering Journal, 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. Applied Clay Science, 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. Fuel, 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. Journal of Hazardous Materials, 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. Polymers, 2019, 11, 668.	4.5	25
6	An effective approach to reducing fire hazards of rigid polyurethane foam: fire protective coating. Journal of Coatings Technology Research, 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. Materials Chemistry and Physics, 2018, 214, 209-220.	4.0	18
8	Phosphorylated chitosanâ€cobalt complex: A novel green flame retardant for polylactic acid. Polymers for Advanced Technologies, 2018, 29, 860-866.	3.2	31
9	Diphase flameâ€retardant effect of ammonium polyphosphate and dimethyl methyl phosphonate on polyisocyanurateâ€polyurethane foam. Polymers for Advanced Technologies, 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. Journal of Colloid and Interface Science, 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. Industrial & Engineering Chemistry Research, 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. Polymer Degradation and Stability, 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. Polymers for Advanced Technologies, 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. Journal of Polymer Research, 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. Journal of Applied Polymer Science, 2013, 128, 2720-2728.	2.6	62
16	Fire performance and mechanical properties of phenolic foams modified by phosphorus-containing polyethers. Journal of Polymer Research, 2012, 19, 1.	2.4	49