# Hongyu Yang

List of Publications by Year
in descending order



| 16 | 934 | 567281 15 | 940533 16 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 16 | 16 | 16 | 829 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Fire performance and mechanical properties of phenolic foams modified by phosphorus-containing polyethers. Journal of Polymer Research, 2012, 19, 1. | 2.4 | 49 |
| 9 | Surface modification of coreâ€“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 |
| 10 | 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 |
| 11 | Phosphorylated chitosanâ€cobalt complex: A novel green flame retardant for polylactic acid. Polymers for Advanced Technologies, 2018, 29, 860-866. | 3.2 | 31 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |