

# Yuan Yu

## List of Publications by Year in descending order

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39  
papers

644  
citations

567281

15  
h-index

642732

23  
g-index

39  
all docs

39  
docs citations

39  
times ranked

320  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and characterization of a microencapsulated flame retardant and its flame-retardant mechanism in unsaturated polyester resins. <i>Powder Technology</i> , 2019, 354, 71-81.	4.2	54
2	Experimental investigation of the inerting effect of crystalline II type Ammonium Polyphosphate on explosion characteristics of micron-size Acrylates Copolymer dust. <i>Journal of Hazardous Materials</i> , 2018, 344, 558-565.	12.4	40
3	Flame retardancy of unsaturated polyester composites with modified ammonium polyphosphate, montmorillonite, and zinc borate. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47180.	2.6	40
4	Modified montmorillonite combined with intumescent flame retardants on the flame retardancy and thermal stability properties of unsaturated polyester resins. <i>Polymers for Advanced Technologies</i> , 2019, 30, 998-1009.	3.2	39
5	Metal-organic framework MIL-53 (Fe)/C/graphite carbon nitride hybrids with enhanced thermal stability, flame retardancy, and smoke suppression for unsaturated polyester resin. <i>Polymers for Advanced Technologies</i> , 2019, 30, 2458-2467.	3.2	36
6	Layer-by-layer assembled diatomite based on chitosan and ammonium polyphosphate to increase the fire safety of unsaturated polyester resins. <i>Powder Technology</i> , 2020, 364, 36-48.	4.2	33
7	Inerting effects of ammonium polyphosphate on explosion characteristics of polypropylene dust. <i>Chemical Engineering Research and Design</i> , 2019, 130, 221-230.	5.6	32
8	Enhanced flame retardancy of unsaturated polyester resin composites containing ammonium polyphosphate and metal oxides. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49148.	2.6	28
9	Synergistic effect of combined dimethyl methylphosphonate with aluminum hydroxide or ammonium polyphosphate retardant systems on the flame retardancy and thermal properties of unsaturated polyester resin. <i>International Journal of Polymer Analysis and Characterization</i> , 2017, 22, 509-518.	1.9	26
10	Polyaniline-modified Fe <sub>2</sub> O <sub>3</sub> / expandable graphite: A system for promoting the flame retardancy, mechanical properties and electrical properties of epoxy resin. <i>Powder Technology</i> , 2021, 378, 359-370.	4.2	21
11	Solvent-free and electron transfer-induced phosphorus and nitrogen-containing heterostructures for multifunctional epoxy resin. <i>Composites Part B: Engineering</i> , 2022, 240, 109999.	12.0	21
12	Kinetics and equilibrium studies of phosphate removal from aqueous solution by calcium silicate hydrate synthesized from electrolytic manganese residue. <i>Adsorption Science and Technology</i> , 2019, 37, 547-565.	3.2	20
13	Preparation of phosphorylated chitosan-coated carbon microspheres as flame retardant and its application in unsaturated polyester resin. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1933-1942.	3.2	20
14	Surface-modified ammonium polyphosphate with (3-aminopropyl) triethoxysilane, pentaerythritol and melamine dramatically improve flame retardancy and thermal stability of unsaturated polyester resin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 3479-3488.	3.6	19
15	Experimental study on gas explosion and venting process in interconnected vessels. <i>Journal of Loss Prevention in the Process Industries</i> , 2013, 26, 1230-1237.	3.3	18
16	Improving fire resistance of epoxy resin using electrolytic manganese residue-based zeolites modified with metal-organic framework ligands. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 153, 106726.	7.6	15
17	Coupling effects of venting and inerting on explosions in interconnected vessels. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 65, 104132.	3.3	14
18	Polymerization of hydroxylated graphitic carbon nitride as an efficient flame retardant for epoxy resins. <i>Composites Communications</i> , 2022, 29, 101018.	6.3	13

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19	Numerical simulation of dispersion and distribution behaviors of hydrogen leakage in the garage with a crossbeam. <i>Simulation</i> , 2019, 95, 1229-1238.	1.8	12
20	Preparation of microencapsulated aluminum hypophosphite and its flame retardancy of the unsaturated polyester resin composites. <i>Polymer Bulletin</i> , 2021, 78, 5337-5354.	3.3	12
21	The organic peroxides instability rating research based on adiabatic calorimetric approaches and fuzzy analytic hierarchy process for inherent safety evaluation. <i>Process Safety Progress</i> , 2016, 35, 200-207.	1.0	11
22	<sc>Layer-by-layer</sc> assembled bagasse to enhance the fire safety of epoxy resin: A renewable environmental friendly flame retardant. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50032.	2.6	11
23	Inhibiting effect of inhibitors on ignition sensitivity of wood dust. <i>Journal of Loss Prevention in the Process Industries</i> , 2021, 70, 104391.	3.3	11
24	Fabrication of diatomite-based microencapsulated flame retardant and its improved fire safety of unsaturated polyester resin. <i>Polymers for Advanced Technologies</i> , 2020, 31, 967-979.	3.2	10
25	Preparation of the organic-inorganic double-shell microencapsulated aluminum hypophosphite and its improved flame retardancy and mechanical properties of epoxy resin composites. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50950.	2.6	10
26	Synthesis of phosphorus and silicon co-doped graphitic carbon nitride and its combination with ammonium polyphosphate to enhance the flame retardancy of epoxy resin. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51614.	2.6	9
27	Multi-walled carbon nanotubes encapsulated by graphitic carbon nitride with simultaneously co-doping of B and P and ammonium polyphosphate to improve flame retardancy of unsaturated polyester resins. <i>Materials Chemistry and Physics</i> , 2022, 277, 125594.	4.0	9
28	A new-type terephthalonitrile derivative flame retardant of <sc>bi-DOPO</sc> compound with hydroxyl and amino groups on epoxy resin. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	9
29	Effects of melamine polyphosphate on explosion characteristics and thermal pyrolysis behavior of polyamide 66 dust. <i>Journal of Loss Prevention in the Process Industries</i> , 2022, 78, 104820.	3.3	9
30	Removal of Ammonium from Aqueous Solutions Using Zeolite Synthesized from Electrolytic Manganese Residue. <i>International Journal of Chemical Engineering</i> , 2020, 2020, 1-14.	2.4	8
31	Fire resistance of a vertical oil tank exposed to pool-fire heat radiation after high-velocity projectile impact. <i>Chemical Engineering Research and Design</i> , 2021, 156, 231-243.	5.6	7
32	Experimental investigation of the inerting effect of CO <sub>2</sub> on explosion characteristics of micron-size Acrylate Copolymer dust. <i>Journal of Loss Prevention in the Process Industries</i> , 2019, 62, 103979.	3.3	6
33	Investigation on suppression of melamine polyphosphate on acrylonitrile-butadiene-styrene dust explosion. <i>Process Safety Progress</i> , 2021, 40, 345-354.	1.0	6
34	The effects of thermal pyrolysis and decomposition products on explosive characteristics of flufenacet and sulfentrazone. <i>Chemical Engineering Research and Design</i> , 2021, 147, 125-133.	5.6	5
35	Surface modification of cellulose nanocrystal and its applications in flame retardant epoxy resin. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	5
36	Experimental investigation of the suppression effects of ammonium polyphosphate on explosion characteristics of unsaturated polyester resin dust. <i>Fire and Materials</i> , 2020, 44, 854-864.	2.0	4

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37	A Novel Circulation Process to Effectively Produce Electrolytic Manganese Metal (EMM) with Low-Grade Manganese Oxide Ores and High-Sulfur Manganese Ores. Arabian Journal for Science and Engineering, 2020, 45, 7561-7572.	3.0	1
38	Synthesis of Zeolite from Electrolytic Manganese Residue: Investigation on the Variation of the Propert of Zeolite during the Conversion Process. Journal of Chemistry, 2020, 2020, 1-9.	1.9	0
39	Improvement of DV-Hop Algorithm based on Error Analysis. , 2022, , .		0