

# Wen-Hui Rao

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

1,373  
citations

567281

15  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

876  
citing authors

#	ARTICLE	IF	CITATIONS
1	Latent curing epoxy system with excellent thermal stability, flame retardance and dielectric property. Chemical Engineering Journal, 2018, 347, 223-232.	12.7	181
2	Persistently flame-retardant flexible polyurethane foams by a novel phosphorus-containing polyol. Chemical Engineering Journal, 2018, 343, 198-206.	12.7	143
3	Flame-retardant and smoke-suppressant flexible polyurethane foams based on reactive phosphorus-containing polyol and expandable graphite. Journal of Hazardous Materials, 2018, 360, 651-660.	12.4	139
4	Highly efficient, transparent, and environment-friendly flame-retardant coating for cotton fabric. Chemical Engineering Journal, 2021, 424, 130556.	12.7	117
5	Inherently flame-retardant rigid polyurethane foams with excellent thermal insulation and mechanical properties. Polymer, 2018, 153, 616-625.	3.8	113
6	An efficient organic/inorganic phosphorus-nitrogen-silicon flame retardant towards low-flammability epoxy resin. Polymer Degradation and Stability, 2020, 178, 109195.	5.8	109
7	Polyethyleneimine modified ammonium polyphosphate toward polyamine-hardener for epoxy resin: Thermal stability, flame retardance and smoke suppression. Polymer Degradation and Stability, 2016, 131, 62-70.	5.8	88
8	Epoxidized soybean oil cured with tannic acid for fully bio-based epoxy resin. RSC Advances, 2018, 8, 26948-26958.	3.6	86
9	High strength, low flammability, and smoke suppression for epoxy thermoset enabled by a low-loading phosphorus-nitrogen-silicon compound. Composites Part B: Engineering, 2021, 211, 108640.	12.0	80
10	Flame-Retardant Flexible Polyurethane Foams with Highly Efficient Melamine Salt. Industrial & Engineering Chemistry Research, 2017, 56, 7112-7119.	3.7	75
11	A reactive phosphorus-containing polyol incorporated into flexible polyurethane foam: Self-extinguishing behavior and mechanism. Polymer Degradation and Stability, 2018, 153, 192-200.	5.8	59
12	Influence of Valence and Structure of Phosphorus-Containing Melamine Salts on the Decomposition and Fire Behaviors of Flexible Polyurethane Foams. Industrial & Engineering Chemistry Research, 2014, 53, 8773-8783.	3.7	49
13	Novel organophosphorus compound with amine groups towards self-extinguishing epoxy resins at low loading. Materials and Design, 2020, 193, 108838.	7.0	42
14	Novel multi-element DOPO derivative toward low-flammability epoxy resin. Journal of Applied Polymer Science, 2020, 137, 49427.	2.6	30
15	Construction of hetero-structured nanohybrid relying on reactive phosphazene towards flame retardation and mechanical enhancement of epoxy resins. European Polymer Journal, 2022, 167, 111075.	5.4	23
16	The fabrication of monodisperse polypyrrole/SBA-15 composite for the selective removal of Cr(VI) from aqueous solutions. New Journal of Chemistry, 2021, 45, 8125-8135.	2.8	10
17	Ultra-strong mechanical property and force-driven malleability of water-poor hydrogels. Journal of Colloid and Interface Science, 2019, 542, 281-288.	9.4	9
18	Synthesis of graphene oxide/sulfur composites for advanced lithium-sulfur batteries. Ionics, 2021, 27, 4269-4279.	2.4	9

#	ARTICLE	IF	CITATIONS
19	Synthesis of a Novel Mesoporous Inorganic-Organic Hybrid and Its Application in Epoxy Resins. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 2012-2023.	3.7	6
20	Comparative Study on the Structure, Mechanical, Thermal, and Tribological Properties of PF Composites Reinforced by Different Kinds of Mesoporous Silicas. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 2939-2948.	3.7	5