Wen-Hui Rao

List of Publications by Year
in descending order

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20	1,373	567281 15	752698 20
papers	citations	h-index	g-index

20	20	20	876
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	Synthesis of graphene oxide/sulfur composites for advanced lithium-sulfur batteries. Ionics, 2021, 27, 4269-4279.	2.4	9
5	Highly efficient, transparent, and environment-friendly flame-retardant coating for cotton fabric. Chemical Engineering Journal, 2021, 424, 130556.	12.7	117
6	The fabrication of monodisperse polypyrrole/SBA-15 composite for the selective removal of Cr(<scp>vi</scp>) from aqueous solutions. New Journal of Chemistry, 2021, 45, 8125-8135.	2.8	10
7	An efficient organic/inorganic phosphorusâ€“nitrogenâ€“silicon flame retardant towards low-flammability epoxy resin. Polymer Degradation and Stability, 2020, 178, 109195.	5.8	109
8	Novel organophosphorus compound with amine groups towards self-extinguishing epoxy resins at low loading. Materials and Design, 2020, 193, 108838.	7.0	42
9	Novel <scp>multiâ€element DOPO</scp> derivative toward <scp>lowâ€flammability</scp> epoxy resin. Journal of Applied Polymer Science, 2020, 137, 49427.	2.6	30
10	Synthesis of a Novel Mesoporous Inorganicâ€“Organic Hybrid and Its Application in Epoxy Resins. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 2012-2023.	3.7	6
11	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
12	Persistently flame-retardant flexible polyurethane foams by a novel phosphorus-containing polyol. Chemical Engineering Journal, 2018, 343, 198-206.	12.7	143
13	Latent curing epoxy system with excellent thermal stability, flame retardance and dielectric property. Chemical Engineering Journal, 2018, 347, 223-232.	12.7	181
14	Inherently flame-retardant rigid polyurethane foams with excellent thermal insulation and mechanical properties. Polymer, 2018, 153, 616-625.	3.8	113
15	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
16	Epoxidized soybean oil cured with tannic acid for fully bio-based epoxy resin. RSC Advances, 2018, 8, 26948-26958.	3.6	86
17	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
18	Flame-Retardant Flexible Polyurethane Foams with Highly Efficient Melamine Salt. Industrial & Engineering Chemistry Research, 2017, 56, 7112-7119.	3.7	75

#	Article	IF	Citations
19	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
20	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