

Depeng Chen

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

400
citations

933447

10
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

222
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorus-containing silane modified steel slag waste to reduce fire hazards of rigid polyurethane foams. <i>Advanced Powder Technology</i> , 2020, 31, 1420-1430.	4.1	76
2	Effect of aluminum diethylphosphinate on flame retardant and thermal properties of rigid polyurethane foam composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 625-636.	3.6	58
3	Self-healing solid slippery surface with porous structure and enhanced corrosion resistance. <i>Chemical Engineering Journal</i> , 2021, 417, 128083.	12.7	43
4	Preparation of melamine-formaldehyde resin-microencapsulated ammonium polyphosphate and its application in flame retardant rigid polyurethane foam composites. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	37
5	Superhydrophobic Civil Engineering Materials: A Review from Recent Developments. <i>Coatings</i> , 2019, 9, 753.	2.6	36
6	Flame retarded rigid polyurethane foam composites based on gel-silica microencapsulated ammonium polyphosphate. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 98, 212-223.	2.4	19
7	Self-extinguishing and transparent epoxy resin modified by a phosphine oxide-containing bio-based derivative. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 1269-1280.	4.4	19
8	The effect of silicon-based waterproof agent on the wettability of superhydrophobic concrete and enhanced corrosion resistance. <i>Construction and Building Materials</i> , 2021, 313, 125482.	7.2	19
9	Fire performance of piperazine phytate modified rigid polyurethane foam composites. <i>Polymers for Advanced Technologies</i> , 2021, 32, 4531-4546.	3.2	16
10	Facile fabrication of NiAl-LDH and its application in TPU nanocomposites targets for reducing fire hazards. <i>Plastics, Rubber and Composites</i> , 2021, 50, 285-298.	2.0	12
11	Effect of ammonium polyphosphate/cobalt phytate system on flame retardancy and smoke & toxicity suppression of rigid polyurethane foam composites. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	10
12	Experimental Study on the Workability and Stability of Steel Slag Self-Compacting Concrete. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1291.	2.5	9
13	Degradation of Dynamic Elastic Modulus of Concrete under Periodic Temperature-Humidity Action. <i>Materials</i> , 2020, 13, 611.	2.9	9
14	Photocatalytic degradation performance of gaseous formaldehyde by Ce-Eu/TiO ₂ hollow microspheres: from experimental evaluation to simulation. <i>Environmental Science and Pollution Research</i> , 2021, 28, 34762-34775.	5.3	6
15	Sandwiched meshes with superwettability for oil/water separation and heavy metal ion absorption. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2542.	1.5	5
16	The Linear Hygroscopic Expansion Coefficient of Cement-Based Materials and Its Determination. <i>Materials</i> , 2020, 13, 37.	2.9	5
17	Fabrication and characterization of decylic acid-palmitic acid based Ce-Eu doped TiO ₂ composites. <i>Materials Research Express</i> , 2019, 6, 115521.	1.6	4
18	Advances in the Deformation and Failure of Concrete Pavement under Coupling Action of Moisture, Temperature, and Wheel Load. <i>Materials</i> , 2020, 13, 5530.	2.9	4

#	ARTICLE	IF	CITATIONS
19	Fabrication and analysis of palmitic acid@decanoic acid@Ce@Eu/TiO ₂ composite as a building material for regulating indoor environment. Asia-Pacific Journal of Chemical Engineering, 2021, 16, .	1.5	4
20	Application of Ce@Eu/TiO ₂ phase change material as the wall material to improve the indoor environment. Journal of Materials Research, 2021, 36, 615-627.	2.6	4
21	Facile synthesis of melamine phytates and its application in rigid polyurethane foam composites targets for improving fire safety. Plastics, Rubber and Composites, 2023, 52, 145-159.	2.0	4
22	Hybrid Analytic-FEA Method for Calculating Hygro-Thermal Deformation of Concrete. Advanced Science Letters, 2011, 4, 1711-1716.	0.2	1