

Xiong-Lei Wang

List of Publications by Year in descending order

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17
papers

637
citations

623734

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h-index

888059

17
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all docs

17
docs citations

17
times ranked

671
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical recovery of thermosetting unsaturated polyester resins. <i>Green Chemistry</i> , 2022, 24, 701-712.	9.0	29
2	Recycling waste thermosetting unsaturated polyester resins into oligomers for preparing amphiphilic aerogels. <i>Waste Management</i> , 2021, 126, 89-96.	7.4	16
3	Fast microwave-assisted hydrolysis of unsaturated polyester resin into column packing for rapid purifying of dye wastewater. <i>Journal of Hazardous Materials</i> , 2020, 384, 121465.	12.4	18
4	High-Efficiency Hydrolysis of Thermosetting Polyester Resins into Porous Functional Materials Using Low-Boiling Aqueous Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16010-16019.	6.7	14
5	Energy-Efficient Conversion of Amine-Cured Epoxy Resins into Functional Chemicals Based on Swelling-Induced Nanopores. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2226-2235.	6.7	35
6	From waste epoxy resins to efficient oil/water separation materials via a microwave assisted pore-forming strategy. <i>Materials Horizons</i> , 2019, 6, 1733-1739.	12.2	43
7	A fast and mild closed-loop recycling of anhydride-cured epoxy through microwave-assisted catalytic degradation by trifunctional amine and subsequent reuse without separation. <i>Green Chemistry</i> , 2019, 21, 2487-2493.	9.0	75
8	Autofluorescence of hydrogels without a fluorophore. <i>Soft Matter</i> , 2019, 15, 3588-3594.	2.7	25
9	Synergistic catalysis of binary alkalis for the recycling of unsaturated polyester under mild conditions. <i>Green Chemistry</i> , 2019, 21, 3006-3012.	9.0	31
10	Porous gel materials from waste thermosetting unsaturated polyester for high-efficiency wastewater treatment. <i>Chemical Engineering Journal</i> , 2019, 361, 21-30.	12.7	39
11	A tough and fluorescent dual nanocomposite hydrogel based on SiO ₂ @TiO ₂ core-shell nanoparticles. <i>Applied Surface Science</i> , 2019, 467-468, 588-595.	6.1	9
12	Photothermal Nanocomposite Hydrogel Actuator with Electric-Field-Induced Gradient and Oriented Structure. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7688-7692.	8.0	137
13	Removal of phenol by powdered activated carbon prepared from coal gasification tar residue. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 694-701.	2.2	15
14	Rapid Recovery Hydrogel Actuators in Air with Bionic Large-Ranged Gradient Structure. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40125-40131.	8.0	89
15	Separation of coal gasification tar residue by solvent extracting. <i>Separation and Purification Technology</i> , 2017, 188, 98-104.	7.9	11
16	Combustion properties and toxicity analysis of coal gasification tar residue. <i>Journal of Cleaner Production</i> , 2016, 139, 567-575.	9.3	18
17	Solvent extracting coal gasification tar residue and the extracts characterization. <i>Journal of Cleaner Production</i> , 2016, 133, 965-970.	9.3	33