

Xiong-Lei Wang

List of Publications by Year in descending order

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17
papers

637
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623734

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888059

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17
docs citations

17
times ranked

671
citing authors

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