

Tian Chang

List of Publications by Year in descending order

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11
papers

411
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1040056

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281
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-plasma-catalytic removal of toluene using MnO ₂ @Co ₃ O ₄ catalysts and their synergistic mechanism. <i>Chemical Engineering Journal</i> , 2018, 348, 15-25.	12.7	146
2	A critical review on plasma-catalytic removal of VOCs: Catalyst development, process parameters and synergetic reaction mechanism. <i>Science of the Total Environment</i> , 2022, 828, 154290.	8.0	70
3	Simulation and optimization of the post plasma-catalytic system for toluene degradation by a hybrid ANN and NSGA-II method. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 107-119.	20.2	57
4	Occurrence and sources of chromophoric organic carbon in fine particulate matter over Xi'an, China. <i>Science of the Total Environment</i> , 2020, 725, 138290.	8.0	30
5	Mn-Based Catalysts for Post Non-Thermal Plasma Catalytic Abatement of VOCs: A Review on Experiments, Simulations and Modeling. <i>Plasma Chemistry and Plasma Processing</i> , 2021, 41, 1239-1278.	2.4	25
6	Post Plasma Catalysis for the Removal of Acetaldehyde Using Mn@Co/HZSM-5 Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 14719-14728.	3.7	23
7	Diurnal evolutions and sources of water-soluble chromophoric aerosols over Xi'an during haze event, in Northwest China. <i>Science of the Total Environment</i> , 2021, 786, 147412.	8.0	21
8	Process optimization of plasma-catalytic formaldehyde removal using MnO _x @Fe ₂ O ₃ catalysts by response surface methodology. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105773.	6.7	18
9	Low-temperature Fe@MnO ₂ nanotube catalysts for the selective catalytic reduction of NO _x with NH ₃ . <i>Catalysis Science and Technology</i> , 2021, 11, 6553-6563.	4.1	12
10	Removal mechanism and quantitative control of trichloroethylene in a post-plasma-catalytic system over Mn@Ce/HZSM-5 catalysts. <i>Catalysis Science and Technology</i> , 2021, 11, 3746-3761.	4.1	6
11	Plasma degradation of trichloroethylene: process optimization and reaction mechanism analysis. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 125202.	2.8	3