Xin Liu

List of Publications by Year
in descending order

15 papers	**587** citations	687363 **13** h-index	940533 **16** g-index
16 all docs	**16** docs citations	**16** times ranked	**168** citing authors

#	Article	IF	Citations
1	Decomposition of Toluene with a Combined Plasma Photolysis (CPP) Reactor: Influence of UV Irradiation and Byproduct Analysis. Plasma Chemistry and Plasma Processing, 2021, 41, 409-420.	2.4	99
2	Study on treatment of printing and dyeing waste gas in the atmosphere with Ce-Mn/GF catalyst. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	69
3	Ce-Mn mixed oxides supported on glass-fiber for low-temperature selective catalytic reduction of NO with NH3. Journal of Rare Earths, 2014, 32, 409-415.	4.8	65
4	Degradation of benzene, toluene, and xylene with high gaseous hourly space velocity by double dielectric barrier discharge combined with Mn_3O_4/activated carbon fibers. Journal Physics D: Applied Physics, 2022, 55, 125206.	2.8	57
5	The effect of ionization energy and hydrogen weight fraction on the non-thermal plasma volatile organic compounds removal efficiency. Journal Physics D: Applied Physics, 2019, 52, 145201.	2.8	54
6	Mn2O3/Î³-Al2O3 catalysts synergistic double dielectric barrier discharge (DDBD) degradation of toluene, ethyl-acetate and acetone. Chemosphere, 2021, 284, 131299.	8.2	37
7	Investigation of ZrMnFe/Sepiolite Catalysts on Toluene Degradation in a One-Stage Plasma-Catalysis System. Catalysts, 2021, 11, 828.	3.5	33
8	Degradation of toluene in surface dielectric barrier discharge (SDBD) reactor with mesh electrode: Synergistic effect of UV and TiO2 deposited on electrode. Chemosphere, 2022, 288, 132664.	8.2	29
9	Experimental study on selective catalytic reduction of NO by C3H6 over Fe/Ti-PILC catalysts. Journal of Fuel Chemistry and Technology, 2018, 46, 1231-1239.	2.0	28
10	Plasma-catalytic oxidation of toluene on Fe_2O_3/sepiolite catalyst in DDBD reactor. Journal Physics D: Applied Physics, 2021, 54, 475201.	2.8	25
11	Seasonal variation in particle contribution and aerosol types in Shanghai based on satellite data from MODIS and CALIOP. Particuology, 2020, 51, 18-25.	3.6	23
12	Validation and Accuracy Analysis of the Collection 6.1 <scp>MODIS</scp> Aerosol Optical Depth Over the Westernmost City in China Based on the Sunâ€Sky Radiometer Observations From SONET. Earth and Space Science, 2020, 7, e2019EA001041.	2.6	22
13	H2O and H2S adsorption by assistance of a heterogeneous carbon-boron-nitrogen nanocage: Computational study. Main Group Chemistry, 2022, 21, 185-193.	0.8	16
14	Meteorological conditions and their effects on the relationship between aerosol optical depth and macro-physical properties of warm clouds over Shanghai based on MODIS. Atmospheric Pollution Research, 2020, 11, 1637-1644.	3.8	8
15	The influence of dusts on radiation and temperature over the eastern Asia with a regional climate model. Science of the Total Environment, 2021, 792, 148351.	8.0	7