Rui Feng

List of Publications by Year
in descending order

34 papers	1,123 citations	430874 18 h-index	395702 33 g-index
34 all docs	34 docs citations	34 times ranked	1208 citing authors

#	Article	IF	Citations
1	Direct carbonization of Zn/Co zeolitic imidazolate frameworks for efficient adsorption of Rhodamine B. Chemical Engineering Journal, 2018, 347, 640-647.	12.7	128
2	Hollow Cu-Co/N-doped carbon spheres derived from ZIFs as an efficient catalyst for peroxymonosulfate activation. Chemical Engineering Journal, 2020, 397, 125533.	12.7	94
3	Ultra-high adsorption capacity of MgO/SiO2 composites with rough surfaces for Congo red removal from water. Journal of Colloid and Interface Science, 2018, 510, 111-117.	9.4	83
4	Trace pyrolyzed ZIF-67 loaded activated carbon pellets for enhanced adsorption and catalytic degradation of Rhodamine B in water. Chemical Engineering Journal, 2019, 375, 122003.	12.7	83
5	In-situ fabrication of ZIF-8 decorated layered double oxides for adsorption and photocatalytic degradation of methylene blue. Microporous and Mesoporous Materials, 2018, 271, 68-72.	4.4	74
6	Preparation and Characterization of Î³-Al₂O₃ with Rich BrÃ¸nsted Acid Sites and Its Application in the Fluid Catalytic Cracking Process. Journal of Physical Chemistry C, 2014, 118, 6226-6234.	3.1	72
7	In-situ growth of ZIF-8 on layered double hydroxide: Effect of Zn/Al molar ratios on their structural, morphological and adsorption properties. Journal of Colloid and Interface Science, 2017, 505, 206-212.	9.4	63
8	Phosphorus-modified b-axis oriented hierarchical ZSM-5 zeolites for enhancing catalytic performance in a methanol to propylene reaction. Applied Catalysis A: General, 2020, 594, 117464.	4.3	49
9	Efficient removal of organic pollutants by a Co/N/S-doped yolk-shell carbon catalyst via peroxymonosulfate activation. Journal of Hazardous Materials, 2022, 421, 126726.	12.4	48
10	Enhanced adsorption of Rhodamine B by magnetic nitrogen-doped porous carbon prepared from bimetallic ZIFs. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 575, 10-17.	4.7	45
11	Two-stage glucose-assisted crystallization of ZSM-5 to improve methanol to propylene (MTP). Microporous and Mesoporous Materials, 2018, 270, 57-66.	4.4	37
12	Hierarchical ZSM-5 zeolite designed by combining desilication and dealumination with related study of n-heptane cracking performance. Journal of Porous Materials, 2018, 25, 1743-1756.	2.6	35
13	A high surface area mesoporous Î³-Al2O3 with tailoring texture by glucose template for ethanol dehydration to ethylene. Microporous and Mesoporous Materials, 2017, 241, 89-97.	4.4	34
14	Surface dealumination of micro-sized ZSM-5 for improving propylene selectivity and catalyst lifetime in methanol to propylene (MTP) reaction. Catalysis Communications, 2018, 109, 1-5.	3.3	32
15	Synthesis of silver decorated silica nanoparticles with rough surfaces as adsorbent and catalyst for methylene blue removal. Journal of Sol-Gel Science and Technology, 2019, 89, 754-763.	2.4	30
16	Yolk-shell ZIFs@SiO2 and its derived carbon composite as robust catalyst for peroxymonosulfate activation. Journal of Environmental Management, 2020, 262, 110299.	7.8	29
17	High performance of H3BO3 modified USY and equilibrium catalyst with tailored acid sites in catalytic cracking. Microporous and Mesoporous Materials, 2017, 243, 319-330.	4.4	27
18	Direct synthesis of b-axis oriented H-form ZSM-5 zeolites with an enhanced performance in the methanol to propylene reaction. Microporous and Mesoporous Materials, 2020, 302, 110246.	4.4	21

#	Article	IF	Citations
19	Synthesis of thiol-functionalized mesoporous silica nanoparticles for adsorption of Hg2+ from aqueous solution. Journal of Sol-Gel Science and Technology, 2019, 89, 617-622.	2.4	19
20	Enhanced adsorption and catalytic peroxymonosulfate activation by metal-free N-doped carbon hollow spheres for water depollution. Journal of Colloid and Interface Science, 2021, 591, 184-192.	9.4	15
21	Influence of framework Al distribution in HZSM-5 channels on catalytic performance in the methanol to propylene reaction. Applied Catalysis A: General, 2022, 629, 118422.	4.3	15
22	In situ growth of ZIF-8 onto porous carbons as an efficient adsorbent for malachite green removal. Journal of Porous Materials, 2020, 27, 1109-1117.	2.6	13
23	Effects of boron and fluorine modified Î³-Al2O3 with tailored surface acidity on catalytic ethanol dehydration to ethylene. Journal of Porous Materials, 2018, 25, 1105-1114.	2.6	10
24	The effect of co-feeding ethanol on a methanol to propylene (MTP) reaction over a commercial MTP catalyst. Applied Catalysis A: General, 2020, 592, 117429.	4.3	9
25	Enhanced catalytic reduction of p-nitrophenol and azo dyes on copper hexacyanoferrate nanospheres decorated copper foams. Journal of Environmental Management, 2022, 314, 115075.	7.8	9
26	Investigation on and industrial application of degrading of methanol feed in methanol to propylene process. Chinese Journal of Chemical Engineering, 2018, 26, 2102-2111.	3.5	8
27	Synthesis of ZSM-5 Zeolite Using Coal Fly Ash as an Additive for the Methanol to Propylene (MTP) Reaction. Catalysts, 2019, 9, 788.	3.5	8
28	One-pot green synthesis of Fe-ZSM-5 zeolite containing framework heteroatoms via dry gel conversion for enhanced propylene selectivity of catalytic cracking catalyst. Journal of Materials Science, 2021, 56, 18050-18060.	3.7	8
29	Carbon coated CoO plates/3D nickel foam: An efficient and readily recyclable catalyst for peroxymonosulfate activation. Separation and Purification Technology, 2022, 297, 121400.	7.9	8
30	Enhanced adsorption of phenol from aqueous solution by carbonized trace ZIF-8-decorated activated carbon pellets. Chinese Journal of Chemical Engineering, 2021, 33, 279-285.	3.5	4
31	A microstructured catalyst made of prussian blue analogues/copper foam for effective reduction of 4-nitrophenol. Journal of the Taiwan Institute of Chemical Engineers, 2021, 121, 197-204.	5.3	4
32	Direct synthesis of HZSM-5 zeolites with enhanced catalytic performance in the methanol-to-propylene reaction. Catalysis Today, 2022, 405-406, 299-308.	4.4	4
33	Influences of Reaction Temperature and Carrier Gas Flowâ€Rate on nâ€Heptane Cracking over <scp>ZSM</scp>â€5 Catalyst Without and With Activation of <scp>V₂O₅</scp>/<scp>Al₂O₃</scp>. Bulletin of the Korean Chemical Society, 2017, 38, 1129-1133.	1.9	3
34	Cracking of n-heptane with activation of vanadium oxide based catalyst: effect of support and modification by K or P. Reaction Kinetics, Mechanisms and Catalysis, 2019, 126, 295-306.	1.7	2