

Xiaoxia Ou

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

390
citations

933447

10
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

410
citing authors

#	ARTICLE	IF	CITATIONS
1	Creating hierarchies promptly: Microwave-accelerated synthesis of ZSM-5 zeolites on macrocellular silicon carbide (SiC) foams. <i>Chemical Engineering Journal</i> , 2017, 312, 1-9.	12.7	73
2	Investigation of pressure drop in 3D replicated open-cell foams: Coupling CFD with experimental data on additively manufactured foams. <i>Chemical Engineering Journal</i> , 2019, 377, 120123.	12.7	67
3	Microtomography-based numerical simulations of heat transfer and fluid flow through \hat{I}^2 -SiC open-cell foams for catalysis. <i>Catalysis Today</i> , 2016, 278, 350-360.	4.4	50
4	X-ray micro computed tomography characterization of cellular SiC foams for their applications in chemical engineering. <i>Materials Characterization</i> , 2017, 123, 20-28.	4.4	43
5	Hierarchical Fe-ZSM-5/SiC foam catalyst as the foam bed catalytic reactor (FBCR) for catalytic wet peroxide oxidation (CWPO). <i>Chemical Engineering Journal</i> , 2019, 362, 53-62.	12.7	38
6	Structured ZSM-5 coated SiC foam catalysts for process intensification in catalytic cracking of <i>n</i> -hexane. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 427-435.	3.7	30
7	Structured ZSM-5/SiC foam catalysts for bio-oils upgrading. <i>Applied Catalysis A: General</i> , 2020, 599, 117626.	4.3	22
8	On developing ferrisilicate catalysts supported on silicon carbide (SiC) foam catalysts for continuous catalytic wet peroxide oxidation (CWPO) reactions. <i>Catalysis Today</i> , 2020, 356, 631-640.	4.4	19
9	Structured Ni@NaA zeolite supported on silicon carbide foam catalysts for catalytic carbon dioxide methanation. <i>AIChE Journal</i> , 2020, 66, e17007.	3.6	15
10	An efficient microwave-assisted chelation (MWAC) post-synthetic modification method to produce hierarchical Y zeolites. <i>Microporous and Mesoporous Materials</i> , 2021, 311, 110715.	4.4	12
11	A novel microwave-assisted methanol-to-hydrocarbons process with a structured ZSM-5/SiC foam catalyst: Proof-of-concept and environmental impacts. <i>Chemical Engineering Science</i> , 2022, 255, 117669.	3.8	10
12	High-Ionic-Strength Wastewater Treatment via Catalytic Wet Oxidation over a MnCeO _x Catalyst. <i>ACS Catalysis</i> , 2022, 12, 7598-7608.	11.2	9
13	Palladium-doped hierarchical ZSM-5 for catalytic selective oxidation of allylic and benzylic alcohols. <i>Royal Society Open Science</i> , 2021, 8, 211086.	2.4	2