Xiaoxin Chen

List of Publications by Year
in descending order

20 papers	1,073 citations	567281 15 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	908 citing authors

#	Article	IF	Citations
1	Synthesis of tri-level hierarchical SAPO-34 zeolite with intracrystalline microâ€“mesoâ€“macroporosity showing superior MTO performance. Journal of Materials Chemistry A, 2015, 3, 19783-19789.	10.3	121
2	Synthesis of anatase-free nano-sized hierarchical TS-1 zeolites and their excellent catalytic performance in alkene epoxidation. Journal of Materials Chemistry A, 2018, 6, 9473-9479.	10.3	120
3	A non-chemically selective top-down approach towards the preparation of hierarchical TS-1 zeolites with improved oxidative desulfurization catalytic performance. Chemical Communications, 2016, 52, 3580-3583.	4.1	108
4	Seeding induced nano-sized hierarchical SAPO-34 zeolites: cost-effective synthesis and superior MTO performance. Journal of Materials Chemistry A, 2016, 4, 14978-14982.	10.3	107
5	Synthesis of hierarchical TS-1 zeolites with abundant and uniform intracrystalline mesopores and their highly efficient catalytic performance for oxidation desulfurization. Journal of Materials Chemistry A, 2017, 5, 7992-7998.	10.3	100
6	Roselike Microstructures Formed by Direct In Situ Hydrothermal Synthesis:â€‰ From Superhydrophilicity to Superhydrophobicity. Chemistry of Materials, 2005, 17, 6177-6180.	6.7	97
7	A top-down approach to hierarchical SAPO-34 zeolites with improved selectivity of olefin. Microporous and Mesoporous Materials, 2016, 234, 401-408.	4.4	86
8	The preparation of hierarchical SAPO-34 crystals via post-synthesis fluoride etching. Chemical Communications, 2016, 52, 3512-3515.	4.1	80
9	In situ and post-synthesis control of physicochemical properties of FER-type crystals. Microporous and Mesoporous Materials, 2014, 200, 334-342.	4.4	49
10	An amino acid-assisted approach to fabricate nanosized hierarchical TS-1 zeolites for efficient oxidative desulfurization. Inorganic Chemistry Frontiers, 2020, 7, 1975-1980.	6.0	42
11	Efficient post-synthesis of hierarchical SAPO-34 zeolites via organic amine etching under hydrothermal conditions and their enhanced MTO performance. Inorganic Chemistry Frontiers, 2019, 6, 1299-1303.	6.0	30
12	The synthetic strategies of hierarchical TS-1 zeolites for the oxidative desulfurization reactions. Chinese Journal of Chemical Engineering, 2020, 28, 2227-2234.	3.5	28
13	Fluoride etching opens access for bulky molecules to active sites in microporous Ti-beta zeolite. Materials Chemistry Frontiers, 2020, 4, 2982-2989.	5.9	20
14	Enhanced Performance for Selective Catalytic Reduction of NO_x with NH₃ over Nanosized Cu/SAPOâ€34 Catalysts. ChemCatChem, 2019, 11, 3865-3870.	3.7	18
15	Busting the efficiency of SAPO-34 catalysts for the methanol-to-olefin conversion by post-synthesis methods. Chinese Journal of Chemical Engineering, 2020, 28, 2022-2027.	3.5	18
16	Environmentally benign synthesis of crystalline nanosized molecular sieves. Green Energy and Environment, 2020, 5, 394-404.	8.7	14
17	Revealing inherent factors of SAPO-34 zeolites etching towards the fabrication of hierarchical structure. Microporous and Mesoporous Materials, 2021, 319, 111067.	4.4	13
18	Seed-Assisted Synthesis of Hierarchically Structured Nano-Sized Ti-Î² Zeolites for the Efficient Epoxidation Reaction of Alkenes. Inorganic Chemistry, 2022, 61, 4887-4894.	4.0	11

#	Article	IF	Citations
19	Hierarchical SAPOâ€34 Preparation Based on the Crystal Metastability in Mother Liquor Solution. Advanced Materials Interfaces, 2021, 8, 2002029.	3.7	7
20	Tailoring the local environment of silver in SSZ-13 zeolites for low-temperature catalytic oxidation of ammonia. Applied Surface Science, 2022, 598, 153856.	6.1	4