Risheng Bai

List of Publications by Year
in descending order

20 papers	1,676 citations	516710 16 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	1923 citing authors

#	Article	IF	Citations
1	In Situ Confinement of Ultrasmall Pd Clusters within Nanosized Silicalite-1 Zeolite for Highly Efficient Catalysis of Hydrogen Generation. Journal of the American Chemical Society, 2016, 138, 7484-7487.	13.7	507
2	Zeoliteâ€Encaged Singleâ€Atom Rhodium Catalysts: Highlyâ€Efficient Hydrogen Generation and Shapeâ€Selective Tandem Hydrogenation of Nitroarenes. Angewandte Chemie - International Edition, 2019, 58, 18570-18576.	13.8	281
3	Creating Hierarchical Pores in Zeolite Catalysts. Trends in Chemistry, 2019, 1, 601-611.	8.5	145
4	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
5	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
6	A one-step rapid synthesis of TS-1 zeolites with highly catalytically active mononuclear TiO₆ species. Journal of Materials Chemistry A, 2020, 8, 9677-9683.	10.3	89
7	Intermediate-crystallization promoted catalytic activity of titanosilicate zeolites. Journal of Materials Chemistry A, 2018, 6, 8757-8762.	10.3	77
8	Synergetic Effect of Ultrasmall Metal Clusters and Zeolites Promoting Hydrogen Generation. Advanced Science, 2019, 6, 1802350.	11.2	70
9	Simple Quaternary Ammonium Cations-Templated Syntheses of Extra-Large Pore Germanosilicate Zeolites. Chemistry of Materials, 2016, 28, 6455-6458.	6.7	46
10	Mesoporogenâ€Free Synthesis of Hierarchical SAPOâ€34 with Low Template Consumption and Excellent Methanolâ€toâ€Olefin Conversion. ChemSusChem, 2018, 11, 3812-3820.	6.8	40
11	Temperature-regulated construction of hierarchical titanosilicate zeolites. Inorganic Chemistry Frontiers, 2020, 7, 1872-1879.	6.0	35
12	Creation of Hierarchical Titanosilicate TSâ€1 Zeolites. Advanced Materials Interfaces, 2021, 8, 2001095.	3.7	33
13	Titanosilicate zeolite precursors for highly efficient oxidation reactions. Chemical Science, 2020, 11, 12341-12349.	7.4	29
14	Amino acid-assisted synthesis of TS-1 zeolites containing highly catalytically active TiO6 species. Chinese Journal of Catalysis, 2021, 42, 2189-2196.	14.0	27
15	Zeoliteâ€Encaged Singleâ€Atom Rhodium Catalysts: Highlyâ€Efficient Hydrogen Generation and Shapeâ€Selective Tandem Hydrogenation of Nitroarenes. Angewandte Chemie, 2019, 131, 18743-18749.	2.0	26
16	Anionic Tuning of Zeolite Crystallization. CCS Chemistry, 2021, 3, 189-198.	7.8	20
17	Titanium-rich TS-1 zeolite for highly efficient oxidative desulfurization. Green Energy and Environment, 2023, 8, 163-172.	8.7	15
18	Mesoporogen-free synthesis of nanosized hierarchical ITQ-21 zeolites. Inorganic Chemistry Frontiers, 2019, 6, 1184-1188.	6.0	5

#	Article	IF	Citations
19	Catalytically active Rh species stabilized by zirconium and hafnium on zeolites. Inorganic Chemistry Frontiers, 2022, 9, 2395-2402.	6.0	2
20	Innentitelbild: Zeoliteâ€Encaged Singleâ€Atom Rhodium Catalysts: Highlyâ€Efficient Hydrogen Generation and Shapeâ€Selective Tandem Hydrogenation of Nitroarenes (Angew. Chem. 51/2019). Angewandte Chemie, 2019, 131, 18466-18466.	2.0	0