Sambhu Radhakrishnan

List of Publications by Year
in descending order

26	473	759233 12	713466 21
papers	citations	h-index	g-index

27	27	27	784
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Alumina: discriminative analysis using 3D correlation of solid-state NMR parameters. Chemical Society Reviews, 2019, 48, 134-156.	38.1	85
2	Water as a tuneable solvent: a perspective. Chemical Society Reviews, 2020, 49, 2557-2569.	38.1	51
3	Guest-Specific Double- or Single-Step Adsorption in a Flexible Porous Framework Based on a Mixed-Ligand System. Inorganic Chemistry, 2011, 50, 400-402.	4.0	48
4	Framework flexibility-driven CO₂ adsorption on a zeolite. Materials Horizons, 2020, 7, 1528-1532.	12.2	39
5	In Situ Solid-State ¹³C NMR Observation of Pore Mouth Catalysis in Etherification of Î²-Citronellene with Ethanol on Zeolite Beta. Journal of the American Chemical Society, 2016, 138, 2802-2808.	13.7	31
6	Factors Influencing the Kinetics of Esterification of Fatty Acids over Solid Acid Catalysts. Energy & Fuels, 2011, 25, 4106-4112.	5.1	27
7	Solvent Polarity-Induced Pore Selectivity in H-ZSM-5 Catalysis. ACS Catalysis, 2017, 7, 4248-4252.	11.2	24
8	Evolution of the crystal growth mechanism of zeolite W (MER) with temperature. Microporous and Mesoporous Materials, 2019, 274, 379-384.	4.4	23
9	â€œClickâ€•Silicaâ€Supported Sulfonic Acid Catalysts with Variable Acid Strength and Surface Polarity. Chemistry - A European Journal, 2019, 25, 6753-6762.	3.3	16
10	Super-ions of sodium cations with hydrated hydroxide anions: inorganic structure-directing agents in zeolite synthesis. Materials Horizons, 2021, 8, 2576-2583.	12.2	16
11	Reversible room temperature ammonia gas absorption in pore water of microporous silicaâ€“alumina for sensing applications. Physical Chemistry Chemical Physics, 2018, 20, 13528-13536.	2.8	13
12	Creation of gallium acid and platinum metal sites in bifunctional zeolite hydroisomerization and hydrocracking catalysts by atomic layer deposition. Catalysis Science and Technology, 2020, 10, 1778-1788.	4.1	13
13	Nucleation of Porous Crystals from Ion-Paired Prenucleation Clusters. Chemistry of Materials, 2022, 34, 7139-7149.	6.7	11
14	Impact of Amino Acids on the Isomerization of the Aluminum Tridecamer Al₁₃. Inorganic Chemistry, 2017, 56, 12401-12409.	4.0	10
15	Selective synthesis of 2-ethoxy alkanes through ethoxylation of 1-alkenes with bioethanol over zeolite beta catalyst in a liquid phase continuous process. Green Chemistry, 2012, 14, 1475.	9.0	9
16	Selective Hydroalkoxylation of 1â€Hexene with 1â€Propanol and 1â€Butanol over Zeolite Beta Catalyst. ChemCatChem, 2013, 5, 576-581.	3.7	9
17	NMR Crystallography Reveals Carbonate Induced Alâ€Ordering in ZnAl Layered Double Hydroxide. Chemistry - A European Journal, 2021, 27, 15944-15953.	3.3	9
18	Trace Level Detection and Quantification of Crystalline Silica in an Amorphous Silica Matrix with Natural Abundance ²⁹Si NMR. Analytical Chemistry, 2020, 92, 13004-13009.	6.5	8

#	Article	IF	Citations
19	EU-7 zeolite: a synthetic BIK type zeolite with high hydrothermal stability. Chemical Communications, 2018, 54, 5626-5629.	4.1	6
20	Spherical coreâ€“shell alumina support particles for model platinum catalysts. Nanoscale, 2021, 13, 4221-4232.	5.6	5
21	HSIL-Based Synthesis of Ultracrystalline K,Na-JBW, a Zeolite Exhibiting Exceptional Framework Ordering and Flexibility. Chemistry of Materials, 2022, 34, 7159-7166.	6.7	5
22	Hierarchical ISI-1 zeolite catalyst for hydroconversion of long-chain paraffins. Catalysis Science and Technology, 2021, 11, 1519-1525.	4.1	4
23	Selective catalytic reduction of NO_x with ammonia (NH₃-SCR) over copper loaded LEV type zeolites synthesized with different templates. Physical Chemistry Chemical Physics, 2022, 24, 15428-15438.	2.8	4
24	Selective etherification of Î²-citronellene catalyzed by zeolite beta. Green Chemistry, 2015, 17, 2840-2845.	9.0	3
25	Dispersing carbomers, mixing technology matters!. RSC Advances, 2022, 12, 7830-7834.	3.6	3
26	IZM-7: A new stable aluminosilicogermanate with a promising catalytic activity. Journal of Catalysis, 2021, , .	6.2	1