

Rajib Bandyopadhyay

List of Publications by Year in descending order

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33
papers

497
citations

759233

12
h-index

713466

21
g-index

34
all docs

34
docs citations

34
times ranked

387
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and composition enhancement of Indian Kachchh kaolin clay: characterisation and application as low-cost catalyst. <i>Indian Chemical Engineer</i> , 2022, 64, 121-131.	1.5	1
2	Highly regenerative, fast colorimetric response for organo-toxin and oxo-anions in an aqueous medium using a discrete luminescent Cd(II) complex in a heterogeneous manner with theoretical revelation. <i>Dalton Transactions</i> , 2022, 51, 7436-7454.	3.3	9
3	Immobilization of a Zn ₄ complex on functionalized layered HUS-7: synthesis, structural investigation and catalytic activity. <i>New Journal of Chemistry</i> , 2022, 46, 9418-9431.	2.8	10
4	Synthesis of Hierarchical Silicoaluminophosphate (SAPO) Molecular Sieves by Post-Synthetic Modification and Their Catalytic Application. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	2.0	12
5	Post-synthetic amine functionalized SAPO-5 & SAPO-34 molecular sieves for epoxide ring opening reactions. <i>Materials Today: Proceedings</i> , 2021, 45, 3726-3732.	1.8	3
6	Zeolite Y from kaolin clay of Kachchh, India: Synthesis, characterization and catalytic application. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100246.	2.8	9
7	Tetranuclear Zn complex covalently immobilized on sulfopropylsilylated mesoporous silica: An efficient catalyst for ring opening reaction of epoxide with amine. <i>Molecular Catalysis</i> , 2020, 497, 111220.	2.0	11
8	Synthesis of Hierarchical SAPO-5 & SAPO-34 Materials by Post-Synthetic Alkali Treatment and Their Enhanced Catalytic Activity in Transesterification. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 847-853.	2.0	12
9	Comparison of sulfonic acid loaded mesoporous silica in transesterification of triacetin. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 126, 167-179.	1.7	22
10	Evaluation of Major Product Distribution Using Experimental-Theoretical Comparative Studies on Toluene and Ethylbenzene Ethylation over Catalysts Zeolite MCM-22 and Modified MCM-22. <i>ChemistrySelect</i> , 2019, 4, 3047-3051.	1.5	1
11	Solvent-free selective oxidation of toluene over metal-doped MCM-22. <i>New Journal of Chemistry</i> , 2019, 43, 4406-4412.	2.8	19
12	Catalytic Gasification of Biomass in Dual-Bed Gasifier for Producing Tar-Free Syngas. <i>Energy & Fuels</i> , 2019, 33, 2453-2466.	5.1	19
13	Nano-sized Silicalite-1: novel route of synthesis, metal impregnation and its application in selective oxidation of toluene. <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	1.5	7
14	Development of Hierarchical MCM-22 Layered Zeolite for Selective Glycerol Dehydration. <i>Springer Proceedings in Physics</i> , 2019, , 301-310.	0.2	0
15	Catalytic conversion of Jatropha Oil to biofuel over titania, zirconia, and ceria loaded amorphous aluminosilicate catalysts. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 749-757.	2.3	11
16	Preparation, characterization, and post-synthetic modification of layered MCM-22 zeolite precursor. <i>Journal of Chemical Sciences</i> , 2017, 129, 1671-1676.	1.5	17
17	Alkali metal modified nano-silicalite-1: an efficient catalyst for transesterification of triacetin. <i>Journal of Porous Materials</i> , 2016, 23, 1197-1205.	2.6	8
18	Synthesis of alumino, boro, and gallosilicate zeolites by steam-assisted conversion method and their characterization. <i>Studies in Surface Science and Catalysis</i> , 2002, , 15-22.	1.5	1

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19	Catalytic performance of silicoaluminophosphate (SAPO) molecular sieves in the isopropylation of biphenyl. Applied Catalysis A: General, 2002, 225, 51-62.	4.3	44
20	Title is missing!. Journal of Porous Materials, 2002, 9, 83-95.	2.6	29
21	Synthesis of high-silica [Al]-SSZ-31 by a steam-assisted conversion method and its catalytic performance in the isopropylation of biphenyl. Journal of Materials Chemistry, 2001, 11, 1869-1874.	6.7	20
22	Synthesis of [Al]-SSZ-31 by Dry-Gel Conversion (DGC) Method. Chemistry Letters, 2000, 29, 300-301.	1.3	10
23	Synthesis of AlPO ₄ -5 and AlPO ₄ -11 Molecular Sieves by Dry-Gel Conversion Method. Chemistry Letters, 2000, 29, 1024-1025.	1.3	15
24	Synthesis of borosilicate zeolites by the dry gel conversion method and their characterization. Microporous and Mesoporous Materials, 1999, 32, 81-91.	4.4	53
25	Title is missing!. Catalysis Letters, 1998, 50, 153-158.	2.6	9
26	Transalkylation reaction – An alternative route to produce industrially important intermediates such as cumene. Catalysis Today, 1998, 44, 245-252.	4.4	17
27	Synthesis of Borosilicate Zeolites by Dry Gel Conversion (DGC) Method. Chemistry Letters, 1998, 27, 813-814.	1.3	6
28	Transalkylation of toluene with diisopropylbenzene over reye zeolite. Reaction Kinetics and Catalysis Letters, 1997, 60, 171-177.	0.6	3
29	Formation of N-methylaniline by transalkylation of aniline with N,N-dimethylaniline over zeolite Beta. Applied Catalysis A: General, 1997, 155, 27-39.	4.3	4
30	Transalkylation of cumene with toluene over zeolite Beta. Applied Catalysis A: General, 1996, 135, 249-259.	4.3	17
31	Vapour phase beckmann rearrangement of cyclohexanone oxime over SAPO-11 molecular sieve. Applied Catalysis A: General, 1996, 136, 249-263.	4.3	80
32	Spectroscopic studies of vanadium incorporated SAPO-11. Journal of Molecular Catalysis A, 1995, 104, 103-110.	4.8	9
33	Selective acidic, oxidative and reductive reactions over ALPO-11 and Si or metal substituted ALPO-11. Studies in Surface Science and Catalysis, 1995, , 343-350.	1.5	9