

Suk-bong Hong

List of Publications by Year in descending order

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66315

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223
docs citations

223
times ranked

4408
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocrystalline Ag-ZK-5 zeolite for selective CH ₄ /N ₂ separation. Separation and Purification Technology, 2022, 282, 120027.	3.9	10
2	Effect of framework Si/Al ratio on the mechanism of CO ₂ adsorption on the small-pore zeolite gismondine. Chemical Engineering Journal, 2022, 433, 133800.	6.6	24
3	Identifying Crystallographically Different Si ^{IV} /OH ^{IV} /Al Brønsted Acid Sites in LTA Zeolites. Angewandte Chemie - International Edition, 2022, 61, .	7.2	6
4	Effect of framework Si/Al ratio on the adsorption mechanism of CO ₂ on small-pore zeolites: II. Merlinoite. Chemical Engineering Journal, 2022, 446, 137100.	6.6	8
5	Dealuminated Cs-ZK-5 zeolite for propylene/propane separation. Chemical Engineering Journal, 2021, 413, 127422.	6.6	9
6	The Origin of Selective Adsorption of CO ₂ on Merlinoite Zeolites. Angewandte Chemie - International Edition, 2021, 60, 4307-4314.	7.2	62
7	Understanding CO ₂ adsorption in a flexible zeolite through a combination of structural, kinetic and modelling techniques. Separation and Purification Technology, 2021, 256, 117846.	3.9	14
8	Dehydration of 1,3-butanediol to butadiene over medium-pore zeolites: Another example of reaction intermediate shape selectivity. Applied Catalysis B: Environmental, 2021, 280, 119446.	10.8	17
9	An Aluminosilicate Zeolite Containing Rings of Tetrahedral Atoms with All Odd Numbers from Five to Eleven. Angewandte Chemie, 2021, 133, 6001-6005.	1.6	4
10	The Origin of Selective Adsorption of CO ₂ on Merlinoite Zeolites. Angewandte Chemie, 2021, 133, 4353-4360.	1.6	35
11	An Aluminosilicate Zeolite Containing Rings of Tetrahedral Atoms with All Odd Numbers from Five to Eleven. Angewandte Chemie - International Edition, 2021, 60, 5936-5940.	7.2	7
12	Tetraethylammonium-Mediated Zeolite Synthesis via a Multiple Inorganic Cation Approach. , 2021, 3, 308-312.		12
13	Synthesis of thermally stable SBT and SBS/SBT intergrowth zeolites. Science, 2021, 373, 104-107.	6.0	31
14	Silver-exchanged CHA zeolite as a CO ₂ -resistant adsorbent for N ₂ /O ₂ separation. Microporous and Mesoporous Materials, 2021, 323, 111239.	2.2	11
15	Effect of preparation method on NH ₃ -SCR activity of Cu-LTA catalysts. Catalysis Today, 2021, 376, 41-46.	2.2	15
16	Water: A promoter of ammonia selective catalytic reduction over copper-exchanged LTA zeolites. Applied Catalysis B: Environmental, 2021, 294, 120244.	10.8	20
17	Zeolite synthesis by the excess fluoride approach in the presence of piperidinium-based structure-directing agents. Microporous and Mesoporous Materials, 2021, 327, 111422.	2.2	4
18	An intrinsic synthesis parameter governing the crystallization of silico(zinco)aluminophosphate molecular sieves. Chemical Science, 2021, 12, 10371-10379.	3.7	4

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19	Propylene/propane separation on a ferroaluminosilicate lewyne zeolite. Microporous and Mesoporous Materials, 2020, 294, 109833.	2.2	12
20	Iron-exchanged UZM-35: An active NH ₃ -SCR catalyst at low temperatures. Applied Catalysis B: Environmental, 2020, 266, 118622.	10.8	27
21	PST-33: A Four-Layer ABC-6 Zeolite with the Stacking Sequence AABC. , 2020, 2, 981-985.		15
22	Transformation Control of a Layered Zeolite Precursor by Simple Cation Exchange. Chemistry of Materials, 2020, 32, 9740-9746.	3.2	2
23	Small Gas Adsorption and Separation in Small-Pore Zeolites. Structure and Bonding, 2020, , 1-30.	1.0	10
24	PST-24: A Zeolite with Varying Intracrystalline Channel Dimensionality. Angewandte Chemie, 2020, 132, 17844-17849.	1.6	3
25	3D-3D topotactic transformation in aluminophosphate molecular sieves and its implication in new zeolite structure generation. Nature Communications, 2020, 11, 3762.	5.8	14
26	Silver ZK-5 zeolites for selective ethylene/ethane separation. Separation and Purification Technology, 2020, 250, 117146.	3.9	22
27	A comparative study of methylamines synthesis over zeolites H-rho and H-PST-29. Microporous and Mesoporous Materials, 2020, 300, 110150.	2.2	2
28	PST-24: A Zeolite with Varying Intracrystalline Channel Dimensionality. Angewandte Chemie - International Edition, 2020, 59, 17691-17696.	7.2	19
29	Colloidal Porous AuAg Alloyed Nanoparticles for Enhanced Photoacoustic Imaging. ACS Applied Materials & Interfaces, 2020, 12, 32270-32277.	4.0	13
30	Selective catalytic reduction of NO with CH ₄ over cobalt-exchanged cage-based, small-pore zeolites with different framework structures. Applied Catalysis B: Environmental, 2020, 267, 118710.	10.8	27
31	Framework flexibility-driven CO ₂ adsorption on a zeolite. Materials Horizons, 2020, 7, 1528-1532.	6.4	39
32	Targeted Synthesis of a Zeolite with Pre-established Framework Topology. Angewandte Chemie, 2019, 131, 13983-13986.	1.6	17
33	Abnormal Expansion of a Disordered Zeolite upon Ion Exchange of K ⁺ by Mg ²⁺ . Journal of Physical Chemistry C, 2019, 123, 17894-17898.	1.5	2
34	Targeted Synthesis of a Zeolite with Pre-established Framework Topology. Angewandte Chemie - International Edition, 2019, 58, 13845-13848.	7.2	26
35	Hydrocarbon Pool Mechanism of the Zeolite-Catalyzed Conversion of Ethene to Propene. ACS Catalysis, 2019, 9, 10640-10648.	5.5	24
36	Direct Synthesis of Ge-free IWR-type Zeolites. Chemistry Letters, 2019, 48, 1445-1447.	0.7	2

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37	Effect of Hydrocarbon on DeNO _x Performance of Selective Catalytic Reduction by a Combined Reductant over Cu-Containing Zeolite Catalysts. ACS Catalysis, 2019, 9, 9800-9812.	5.5	40
38	Combined Alkali-Organammonium Structure Direction of High-Charge-Density Heteroatom-Containing Aluminophosphate Molecular Sieves. Angewandte Chemie - International Edition, 2019, 58, 9032-9037.	7.2	9
39	Phase Transformation Behavior of a Two-Dimensional Zeolite. Angewandte Chemie, 2019, 131, 10336-10341.	1.6	1
40	Phase Transformation Behavior of a Two-Dimensional Zeolite. Angewandte Chemie - International Edition, 2019, 58, 10230-10235.	7.2	3
41	Combined Alkali-Organammonium Structure Direction of High-Charge-Density Heteroatom-Containing Aluminophosphate Molecular Sieves. Angewandte Chemie, 2019, 131, 9130-9135.	1.6	2
42	Rediscovery of the Importance of Inorganic Synthesis Parameters in the Search for New Zeolites. Accounts of Chemical Research, 2019, 52, 1419-1427.	7.6	82
43	Iron-exchanged high-silica LTA zeolites as hydrothermally stable NH ₃ -SCR catalysts. Reaction Chemistry and Engineering, 2019, 4, 1050-1058.	1.9	21
44	A quantitative study of the structure-activity relationship in hierarchical zeolites using liquid-phase reactions. AIChE Journal, 2019, 65, 1067-1075.	1.8	29
45	Nature of active sites in Cu-LTA NH ₃ -SCR catalysts: A comparative study with Cu-SSZ-13. Applied Catalysis B: Environmental, 2019, 245, 513-521.	10.8	56
46	Economical synthesis of high-silica LTA zeolites: A step forward in developing a new commercial NH ₃ -SCR catalyst. Applied Catalysis B: Environmental, 2019, 243, 212-219.	10.8	65
47	Direct N ₂ O decomposition over iron-substituted small-pore zeolites with different pore topologies. Applied Catalysis B: Environmental, 2019, 243, 750-759.	10.8	27
48	Two Aluminophosphate Molecular Sieves Built from Pairs of Enantiomeric Structural Building Units. Angewandte Chemie - International Edition, 2018, 57, 3727-3732.	7.2	20
49	Stepped Propane Adsorption in Pure-Silica ITW Zeolite. Langmuir, 2018, 34, 4774-4779.	1.6	10
50	A Zeolite Family Nonjointly Built from the 1,3-Stellated Cubic Building Unit. Angewandte Chemie, 2018, 130, 2221-2225.	1.6	27
51	A Zeolite Family Nonjointly Built from the 1,3-Stellated Cubic Building Unit. Angewandte Chemie - International Edition, 2018, 57, 2199-2203.	7.2	33
52	Influence of Flexibility on the Separation of Chiral Isomers in STW-Type Zeolite. Chemistry - A European Journal, 2018, 24, 4121-4132.	1.7	14
53	Charge distribution and conformational stability effects of organic structure-directing agents on zeolite synthesis. Chemical Communications, 2018, 54, 487-490.	2.2	13
54	Reaction intermediates and mechanism of the zeolite-catalyzed transalkylation of 1,2,4-trimethylbenzene with toluene. Journal of Catalysis, 2018, 357, 1-11.	3.1	16

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55	An open-framework silicogermanate regularly constructed from natrolite zeolite chains and $\text{Ge}_9\text{O}_{18}(\text{OH})_4$ clusters. Dalton Transactions, 2018, 47, 17122-17126.	1.6	1
56	Extraframework Cation Locations in Cu-UZM-35 NH_3 -SCR Catalyst. Journal of Physical Chemistry C, 2018, 122, 29330-29337.	1.5	5
57	CO_2 Adsorption in the RHO Family of Embedded Isorecticular Zeolites. Journal of Physical Chemistry C, 2018, 122, 28815-28824.	1.5	37
58	Synthesis and structure of a CDO zeolite precursor with a high Al content. Inorganic Chemistry Frontiers, 2018, 5, 2792-2797.	3.0	6
59	Choline-mediated synthesis of zeolite ERS-7 <i>via</i> an excess fluoride approach. Chemical Communications, 2018, 54, 10997-11000.	2.2	4
60	PST-29: A Missing Member of the RHO family of Embedded Isorecticular Zeolites. Chemistry of Materials, 2018, 30, 6619-6623.	3.2	27
61	Nanocrystalline H β Zeolite: An Efficient Catalyst for the Low-Temperature Dehydration of Ethanol to Ethene. ChemSusChem, 2018, 11, 2035-2039.	3.6	9
62	Two Aluminophosphate Molecular Sieves Built from Pairs of Enantiomeric Structural Building Units. Angewandte Chemie, 2018, 130, 3789-3794.	1.6	6
63	Organic-Free Synthesis of Silicoaluminophosphate Molecular Sieves. Angewandte Chemie, 2018, 130, 9557-9562.	1.6	6
64	Conformation of intrazeolitic choline ions and the framework topology of zeolite hosts. Chemical Science, 2018, 9, 7787-7796.	3.7	12
65	Organic-Free Synthesis of Silicoaluminophosphate Molecular Sieves. Angewandte Chemie - International Edition, 2018, 57, 9413-9418.	7.2	28
66	Fully Copper-Exchanged High-Silica LTA Zeolites as Unrivaled Hydrothermally Stable NH_3 -SCR Catalysts. Angewandte Chemie - International Edition, 2017, 56, 3256-3260.	7.2	145
67	Ostwald-ripening sintering kinetics of Pd-based three-way catalyst: Importance of initial particle size of Pd. Chemical Engineering Journal, 2017, 316, 631-644.	6.6	39
68	Fully Copper-Exchanged High-Silica LTA Zeolites as Unrivaled Hydrothermally Stable NH_3 -SCR Catalysts. Angewandte Chemie, 2017, 129, 3304-3308.	1.6	33
69	Zeolites ZSM-25 and PST-20: Selective Carbon Dioxide Adsorbents at High Pressures. Journal of Physical Chemistry C, 2017, 121, 3404-3409.	1.5	46
70	Modeling short-range substitution order and disorder in crystals: Application to the Ga/Si distribution in a natrolite zeolite. Solid State Nuclear Magnetic Resonance, 2017, 84, 182-195.	1.5	10
71	Charge density mismatch synthesis of zeolite beta in the presence of tetraethylammonium, tetramethylammonium, and sodium ions: Influence of tetraethylammonium decomposition. Microporous and Mesoporous Materials, 2017, 240, 159-168.	2.2	12
72	Crystallization Mechanism of Cage-Based, Small-Pore Molecular Sieves: A Case Study of CHA and LEV Structures. Chemistry of Materials, 2017, 29, 5583-5590.	3.2	26

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73	On the Porous Silicate HPMâ€5. European Journal of Inorganic Chemistry, 2017, 2017, 2525-2531.	1.0	1
74	Embedded Isorecticular Zeolites: Concept and Beyond. Chemistry - A European Journal, 2017, 23, 15843-15843.	1.7	0
75	The Origin of an Unexpected Increase in NH ₃ â€SCR Activity of Aged Cu-LTA Catalysts. ACS Catalysis, 2017, 7, 6781-6785.	5.5	65
76	Crystallization Mechanism of a Family of Embedded Isorecticular Zeolites. Journal of Physical Chemistry C, 2017, 121, 16342-16350.	1.5	6
77	Palladium-exchanged small-pore zeolites with different cage systems as methane combustion catalysts. Applied Catalysis B: Environmental, 2017, 219, 155-162.	10.8	51
78	Investigations into the Mechanisms of Zeolite-Catalyzed Transalkylation of iso-Propylbenzene with Toluene. Journal of Physical Chemistry C, 2017, 121, 18057-18064.	1.5	2
79	Embedded Isorecticular Zeolites: Concept and Beyond. Chemistry - A European Journal, 2017, 23, 15922-15929.	1.7	6
80	Synthesis and Structural Characterization of a CHA-type AlPO ₄ Molecular Sieve with Penta-Coordinated Framework Aluminum Atoms. Inorganic Chemistry, 2017, 56, 8504-8512.	1.9	11
81	Mechanisms for the Reverse Skeletal Isomerization of <i>n</i> -Butenes to Isobutene over Zeolite Catalysts. ChemCatChem, 2017, 9, 114-116.	1.8	6
82	Synthesis of zeolite UZM-35 and catalytic properties of copper-exchanged UZM-35 for ammonia selective catalytic reduction. Applied Catalysis B: Environmental, 2017, 200, 428-438.	10.8	50
83	EUâ€12: A Smallâ€Pore, Highâ€Silica Zeolite Containing Sinusoidal Eightâ€Ring Channels. Angewandte Chemie, 2016, 128, 7495-7499.	1.6	8
84	EUâ€12: A Smallâ€Pore, Highâ€Silica Zeolite Containing Sinusoidal Eightâ€Ring Channels. Angewandte Chemie - International Edition, 2016, 55, 7369-7373.	7.2	26
85	Targeted Synthesis of Two Superâ€Complex Zeolites with Embedded Isorecticular Structures. Angewandte Chemie, 2016, 128, 5012-5016.	1.6	2
86	Microporous aluminophosphates synthesized with 1,2,3-trimethylimidazolium and fluoride. Dalton Transactions, 2016, 45, 7616-7626.	1.6	12
87	Synthesis of High-Silica LTA and UFI Zeolites and NH ₃ â€SCR Performance of Their Copper-Exchanged Form. ACS Catalysis, 2016, 6, 2443-2447.	5.5	124
88	Solid solution of a zeolite and a framework-bound OSDA-containing molecular sieve. Chemical Science, 2016, 7, 5805-5814.	3.7	12
89	MSE-Type Zeolites: A Promising Catalyst for the Conversion of Ethene to Propene. ACS Catalysis, 2016, 6, 3870-3874.	5.5	31
90	Zeolite-Catalyzed Disproportionation of <i>iso</i> -Propylbenzene: Identification of Reaction Intermediates and Mechanism. Journal of Physical Chemistry C, 2016, 120, 11552-11560.	1.5	4

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91	Aberration-corrected STEM analysis of the RHO family of zeolites with embedded isorecticular structures. <i>Microporous and Mesoporous Materials</i> , 2016, 236, 129-133.	2.2	6
92	Targeted Synthesis of Two Superâ€Complex Zeolites with Embedded Isorecticular Structures. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4928-4932.	7.2	26
93	Acid site density effects in zeolite-catalyzed 1-butene skeletal isomerization. <i>Journal of Catalysis</i> , 2016, 335, 58-61.	3.1	17
94	<i>n</i> -Propylbenzene Disproportionation: An Efficient Tool for Assessing the Framework Topology of Large-Pore Zeolites. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6125-6135.	1.5	7
95	Small-pore molecular sieves SAPO-57 and SAPO-59: synthesis, characterization, and catalytic properties in methanol-to-olefins conversion. <i>Catalysis Science and Technology</i> , 2016, 6, 2725-2734.	2.1	15
96	Design of an MWW zeolite catalyst for linear alkylbenzene synthesis with improved catalytic stability. <i>Catalysis Science and Technology</i> , 2016, 6, 2715-2724.	2.1	8
97	A Family of Molecular Sieves Containing Frameworkâ€Bound Organic Structureâ€Directing Agents. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11097-11101.	7.2	15
98	Zeolite UZM-8: Synthesis, Characterization, and Catalytic Properties in Isopropylation of Benzene with 2-Propanol. <i>Topics in Catalysis</i> , 2015, 58, 537-544.	1.3	20
99	1,2,4-Trimethylbenzene disproportionation over large-pore zeolites: An experimental and theoretical study. <i>Journal of Catalysis</i> , 2015, 323, 145-157.	3.1	11
100	Crystallization Mechanism of Zeolite UZM-5. <i>Chemistry of Materials</i> , 2015, 27, 1574-1582.	3.2	32
101	Thermal stability of Pd-containing LaAlO ₃ perovskite as a modern TWC. <i>Journal of Catalysis</i> , 2015, 330, 71-83.	3.1	46
102	A zeolite family with expanding structural complexity and embedded isorecticular structures. <i>Nature</i> , 2015, 524, 74-78.	13.7	167
103	Unseeded hydroxide-mediated synthesis and CO ₂ adsorption properties of an aluminosilicate zeolite with the RTH topology. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19322-19329.	5.2	41
104	Structural changes of synthetic paulingite (Na,H-ECR-18) upon dehydration and CO ₂ adsorption. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2015, 230, 223-231.	0.4	13
105	Structural characterization of various alkali cation forms of synthetic aluminosilicate natrolites. <i>Microporous and Mesoporous Materials</i> , 2015, 210, 20-25.	2.2	5
106	Charge density mismatch synthesis of MEI- and BPH-type zeolites in the TEA ⁺ â€TMA ⁺ â€Li ⁺ â€Sr ²⁺ mixed-structure-directing agent system. <i>Chemical Communications</i> , 2015, 51, 3671-3673.	2.2	10
107	Monomolecular Skeletal Isomerization of 1-Butene over Selective Zeolite Catalysts. <i>ACS Catalysis</i> , 2015, 5, 2270-2274.	5.5	41
108	Compositionally Enhanced Flexibility in a Ga-Rich Zeolite Affords Unusual Structural Changes via Alkali Ion Exchange. <i>Chemistry of Materials</i> , 2015, 27, 6177-6180.	3.2	5

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109	Zeolite Synthesis from a Charge Density Perspective: The Charge Density Mismatch Synthesis of UZM-5 and UZM-9. <i>Chemistry of Materials</i> , 2014, 26, 6684-6694.	3.2	39
110	Effect of CO ₂ on the DeNO _x Activity of a Small Pore Zeolite Copper Catalyst for NH ₃ /SCR. <i>ChemCatChem</i> , 2014, 6, 1186-1189.	1.8	5
111	Hydrothermal stability of CuSSZ13 for reducing NO _x by NH ₃ . <i>Journal of Catalysis</i> , 2014, 311, 447-457.	3.1	294
112	Framework Al zoning in zeolite ECR-1. <i>Chemical Communications</i> , 2014, 50, 1956.	2.2	8
113	Intraframework Migration of Tetrahedral Atoms in a Zeolite. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8949-8952.	7.2	18
114	Theoretical Investigation of the Isomerization and Disproportionation of <i>m</i> -Xylene over Medium-Pore Zeolites with Different Framework Topologies. <i>ACS Catalysis</i> , 2014, 4, 1764-1776.	5.5	29
115	An Aluminophosphate Molecular Sieve with 36 Crystallographically Distinct Tetrahedral Sites. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7480-7483.	7.2	23
116	Synthesis of Aluminosilicate Natrolites and Control of Their Tetrahedral Atom Ordering. <i>Chemistry of Materials</i> , 2014, 26, 3361-3363.	3.2	15
117	Solid-state NMR study of various mono- and divalent cation forms of the natural zeolite natrolite. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7604.	1.3	10
118	Tetramethylbenzenium radical cations as major active intermediates of methanol-to-olefin conversions over phosphorous-modified HZSM-5 zeolites. <i>Journal of Catalysis</i> , 2013, 299, 240-248.	3.1	44
119	Contrasting high-pressure compression behaviors of AlPO ₄ -5 and SSZ-24 with the same AFI framework topology. <i>Microporous and Mesoporous Materials</i> , 2013, 169, 42-46.	2.2	8
120	Formation Pathway for LTA Zeolite Crystals Synthesized via a Charge Density Mismatch Approach. <i>Journal of the American Chemical Society</i> , 2013, 135, 2248-2255.	6.6	105
121	Synthesis and Catalytic Behavior of Ferrierite Zeolite Nanoneedles. <i>ACS Catalysis</i> , 2013, 3, 617-621.	5.5	58
122	Nitrided ITQ-2 as an efficient Knoevenagel condensation catalyst. <i>Chemical Communications</i> , 2013, 49, 1115.	2.2	28
123	Stability of the Reaction Intermediates of Ethylbenzene Disproportionation over Medium-Pore Zeolites with Different Framework Topologies: A Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23626-23637.	1.5	23
124	Microporous metal-organic framework containing cages with adjustable portal dimensions for adsorptive CO ₂ separation. <i>RSC Advances</i> , 2012, 2, 11566.	1.7	4
125	Mechanistic Insights into the Zeolite-Catalyzed Isomerization and Disproportionation of <i>m</i> -Xylene. <i>ACS Catalysis</i> , 2012, 2, 971-981.	5.5	71
126	SAPO-34 and ZSM-5 nanocrystals' size effects on their catalysis of methanol-to-olefin reactions. <i>Applied Catalysis A: General</i> , 2012, 437-438, 120-130.	2.2	121

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127	Direct observation of hexamethylbenzenium radical cations generated during zeolite methanol-to-olefin catalysis: an ESR study. <i>Chemical Communications</i> , 2011, 47, 9498.	2.2	46
128	Acidic Properties of Cage-Based, Small-Pore Zeolites with Different Framework Topologies and Their Silicoaluminophosphate Analogues. <i>Journal of Physical Chemistry C</i> , 2011, 115, 22505-22513.	1.5	40
129	Mechanistic Investigations of Ethylbenzene Disproportionation over Medium-Pore Zeolites with Different Framework Topologies. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16124-16133.	1.5	33
130	Synthesis of Aluminosilicate and Gallosilicate Zeolites via a Charge Density Mismatch Approach and Their Characterization. <i>Journal of the American Chemical Society</i> , 2011, 133, 1917-1934.	6.6	40
131	Tetrahedral Atom Ordering in a Zeolite Framework: A Key Factor Affecting Its Physicochemical Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 10587-10598.	6.6	28
132	A co-templating route to the synthesis of Cu SAPO STA-7, giving an active catalyst for the selective catalytic reduction of NO. <i>Microporous and Mesoporous Materials</i> , 2011, 146, 36-47.	2.2	44
133	Iron-substituted TNU-9, TNU-10, and IM-5 zeolites and their steam-activated analogs as catalysts for direct N ₂ O decomposition. <i>Journal of Catalysis</i> , 2011, 284, 23-33.	3.1	36
134	Synthesis and structural characterization of aluminogermanate pharmacosiderites with different crystal symmetries. <i>Microporous and Mesoporous Materials</i> , 2011, 139, 148-157.	2.2	3
135	Selective photocatalytic degradation of aquatic pollutants by titania encapsulated into FAU-type zeolites. <i>Journal of Hazardous Materials</i> , 2011, 188, 198-205.	6.5	89
136	In-situ dehydration studies of fully K-, Rb-, and Cs-exchanged natrolites. <i>American Mineralogist</i> , 2011, 96, 393-401.	0.9	20
137	Thermochemistry of gallosilicate zeolites with the NAT topology: An energetic view on their in situ disorder-order transformation and thermal stability. <i>Microporous and Mesoporous Materials</i> , 2010, 135, 197-200.	2.2	3
138	Ammonia IRMS-TPD Characterization of Brønsted Acid Sites in Medium-pore Zeolites with Different Framework Topologies. <i>Topics in Catalysis</i> , 2010, 53, 664-671.	1.3	16
139	Methanol-to-olefin conversion over H-MCM-22 and H-ITQ-2 zeolites. <i>Journal of Catalysis</i> , 2010, 271, 186-194.	3.1	80
140	Adsorptive removal of tert-butylmercaptan and tetrahydrothiophene using microporous molecular sieve ETS-10. <i>Applied Catalysis B: Environmental</i> , 2010, 100, 264-270.	10.8	12
141	Synthesis and in situ transformation of PST-1: a potassium gallosilicate natrolite with a high Ga content. <i>Dalton Transactions</i> , 2010, 39, 2246.	1.6	6
142	Synthesis and Characterization of ERI-Type UZM-12 Zeolites and Their Methanol-to-Olefin Performance. <i>Journal of the American Chemical Society</i> , 2010, 132, 12971-12982.	6.6	94
143	Diethylated Diphenylethane Species: Main Reaction Intermediates of Ethylbenzene Disproportionation over Large-Pore Zeolites. <i>Journal of Physical Chemistry C</i> , 2010, 114, 1190-1193.	1.5	17
144	Methane Combustion over Pd Catalysts Loaded on Medium and Large Pore Zeolites. <i>Topics in Catalysis</i> , 2009, 52, 27-34.	1.3	41

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145	N,N,N,Nâ€²,Nâ€²,Nâ€²-hexamethylpentanediammonium-MWW layered precursor: A reaction intermediate in the synthesis of zeolites TNU-9 and EU-1. <i>Microporous and Mesoporous Materials</i> , 2009, 124, 227-231.	2.2	12
146	Formation and dehydration enthalpies of gallosilicate materials with different framework topologies and Ga contents. <i>Microporous and Mesoporous Materials</i> , 2009, 121, 200-207.	2.2	17
147	Zeolite synthesis in the tetraethylammoniumâ€”tetramethylammonium mixed-organic additive system. <i>Microporous and Mesoporous Materials</i> , 2009, 123, 160-168.	2.2	48
148	PSTâ€”1: A Synthetic Smallâ€”Pore Zeolite that Selectively Adsorbs H ₂ . <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6647-6649.	7.2	33
149	Silicoaluminophosphate Molecular Sieves STA-7 and STA-14 and Their Structure-Dependent Catalytic Performance in the Conversion of Methanol to Olefins. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15731-15741.	1.5	41
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