JiÅÃ- ÄŒejka

List of Publications by Year
in descending order

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225	11,306	26630	37204
papers	citations	56 h-index	96 g-index

234	234	234	8818
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two-Dimensional Zeolites: Current Status and Perspectives. Chemical Reviews, 2014, 114, 4807-4837.	47.7	625
2	A family of zeolites with controlled pore size prepared using a top-down method. Nature Chemistry, 2013, 5, 628-633.	13.6	355
3	ACID-CATALYZED SYNTHESIS OF MONO- AND DIALKYL BENZENES OVER ZEOLITES: ACTIVE SITES, ZEOLITE TOPOLOGY, AND REACTION MECHANISMS. Catalysis Reviews - Science and Engineering, 2002, 44, 375-421.	12.9	354
4	Organized mesoporous alumina: synthesis, structure and potential in catalysis. Applied Catalysis A: General, 2003, 254, 327-338.	4.3	339
5	The ADOR mechanism for the synthesis of new zeolites. Chemical Society Reviews, 2015, 44, 7177-7206.	38.1	275
6	Zeolite-based materials for novel catalytic applications: Opportunities, perspectives and open problems. Catalysis Today, 2012, 179, 2-15.	4.4	274
7	Metal organic frameworks as heterogeneous catalysts for the production of fine chemicals. Catalysis Science and Technology, 2013, 3, 2509.	4.1	270
8	Recent Advances in Catalysis Over Mesoporous Molecular Sieves. Topics in Catalysis, 2010, 53, 141-153.	2.8	237
9	Synthesis, Characterization and Catalytic Applications of Organized Mesoporous Aluminas. Catalysis Reviews - Science and Engineering, 2008, 50, 222-286.	12.9	231
10	Postsynthesis Transformation of Three-Dimensional Framework into a Lamellar Zeolite with Modifiable Architecture. Journal of the American Chemical Society, 2011, 133, 6130-6133.	13.7	208
11	Synthesis of â€˜unfeasibleâ€™ zeolites. Nature Chemistry, 2016, 8, 58-62.	13.6	186
12	Comparison of the catalytic activity of MOFs and zeolites in Knoevenagel condensation. Catalysis Science and Technology, 2013, 3, 500-507.	4.1	179
13	Two-dimensional zeolites in catalysis: current status and perspectives. Catalysis Science and Technology, 2016, 6, 2467-2484.	4.1	161
14	Exploiting chemically selective weakness in solids as a route to new porous materials. Nature Chemistry, 2015, 7, 381-388.	13.6	153
15	Recent Advances in Reactions of Alkylbenzenes Over Novel Zeolites: The Effects of Zeolite Structure and Morphology. Catalysis Reviews - Science and Engineering, 2014, 56, 333-402.	12.9	148
16	Application of Molecular Sieves in Transformations of Biomass and Biomass-Derived Feedstocks. Catalysis Reviews - Science and Engineering, 2013, 55, 1-78.	12.9	142
17	Direct synthesis of carbon-templating mesoporous ZSM-5 using microwave heating. Journal of Catalysis, 2010, 276, 327-334.	6.2	137
18	Heterogeneous Pd catalysts supported on silica matrices. RSC Advances, 2014, 4, 65137-65162.	3.6	137

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19	Functionalization of Delaminated Zeolite ITQ-6 for the Adsorption of Carbon Dioxide. Langmuir, 2009, 25, 10314-10321.	3.5	134
20	Acylation Reactions over Zeolites and Mesoporous Catalysts. ChemSusChem, 2009, 2, 486-499.	6.8	128
21	Acidic Properties of SSZ-33 and SSZ-35 Novel Zeolites:â€‰ a Complex Infrared and MAS NMR Study. Journal of Physical Chemistry C, 2008, 112, 2997-3007.	3.1	120
22	Synthesis of quinolines via FriedlÃnder reaction catalyzed by CuBTC metalâ€“organic-framework. Dalton Transactions, 2012, 41, 4036.	3.3	118
23	The role of the extra-framework cations in the adsorption of CO2 on faujasite Y. Physical Chemistry Chemical Physics, 2010, 12, 13534.	2.8	117
24	Lamellar and pillared ZSM-5 zeolites modified with MgO and ZnO for catalytic fast-pyrolysis of eucalyptus woodchips. Catalysis Today, 2016, 277, 171-181.	4.4	116
25	Zeolites with Continuously Tuneable Porosity. Angewandte Chemie - International Edition, 2014, 53, 13210-13214.	13.8	104
26	Engineering the acidity and accessibility of the zeolite ZSM-5 for efficient bio-oil upgrading in catalytic pyrolysis of lignocellulose. Green Chemistry, 2018, 20, 3499-3511.	9.0	101
27	Molecular structure of the uranyl silicatesâ€”a Raman spectroscopic study. Journal of Raman Spectroscopy, 2006, 37, 538-551.	2.5	97
28	Metal Organic Frameworks as Solid Catalysts in Condensation Reactions of Carbonyl Groups. Advanced Synthesis and Catalysis, 2013, 355, 247-268.	4.3	97
29	The role of the zeolite channel architecture and acidity on the activity and selectivity in aromatic transformations: The effect of zeolite cages in SSZ-35 zeolite. Journal of Catalysis, 2009, 266, 79-91.	6.2	96
30	Controlling the Adsorption Enthalpy of CO₂ in Zeolites by Framework Topology and Composition. ChemSusChem, 2012, 5, 2011-2022.	6.8	93
31	Toward understanding of the role of Lewis acidity in aldol condensation of acetone and furfural using MOF and zeolite catalysts. Catalysis Today, 2015, 243, 158-162.	4.4	93
32	Experimental and theoretical determination of adsorption heats of CO2 over alkali metal exchanged ferrierites with different Si/Al ratio. Physical Chemistry Chemical Physics, 2010, 12, 6413.	2.8	86
33	Hydrodeoxygenation of aldehydes catalyzed by supported palladium catalysts. Applied Catalysis A: General, 2007, 332, 56-64.	4.3	83
34	A novel nickel metalâ€“organic framework with fluorite-like structure: gas adsorption properties and catalytic activity in Knoevenagel condensation. Dalton Transactions, 2014, 43, 3730.	3.3	83
35	Solid Acid Catalysts for Coumarin Synthesis by the Pechmann Reaction: MOFs versus Zeolites. ChemCatChem, 2013, 5, 1024-1031.	3.7	82
36	Metathesis of 1-octene over MoO3 supported on mesoporous molecular sieves: The influence of the support architecture. Microporous and Mesoporous Materials, 2006, 96, 44-54.	4.4	77

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37	Nitrogen adsorption study of organised mesoporous alumina. Physical Chemistry Chemical Physics, 2001, 3, 5076-5081.	2.8	76
38	3D to 2D Routes to Ultrathin and Expanded Zeolitic Materials. Chemistry of Materials, 2013, 25, 542-547.	6.7	76
39	Adsorption of CO₂ on Sodium-Exchanged Ferrierites: The Bridged CO₂ Complexes Formed between Two Extraframework Cations. Journal of Physical Chemistry C, 2009, 113, 2928-2935.	3.1	75
40	Zeolite (In)Stability under Aqueous or Steaming Conditions. Advanced Materials, 2020, 32, e2003264.	21.0	75
41	The effect of MFI zeolite lamellar and related mesostructures on toluene disproportionation and alkylation. Catalysis Science and Technology, 2013, 3, 2119.	4.1	74
42	Hierarchical Hybrid Organicâ€“Inorganic Materials with Tunable Textural Properties Obtained Using Zeolitic-Layered Precursor. Journal of the American Chemical Society, 2014, 136, 2511-2519.	13.7	74
43	Mesoporous MFI Zeolite Nanosponge as a High-Performance Catalyst in the Pechmann Condensation Reaction. ACS Catalysis, 2015, 5, 2596-2604.	11.2	74
44	Expansion of the ADOR Strategy for the Synthesis of Zeolites: The Synthesis of IPCâ€12 from Zeolite UOV. Angewandte Chemie - International Edition, 2017, 56, 4324-4327.	13.8	70
45	Catalytic activity of micro/mesoporous composites in toluene alkylation with propylene. Applied Catalysis A: General, 2005, 281, 85-91.	4.3	68
46	Surface reactivity of ZSM-5 zeolites in interaction with ketones at ambient temperature (a FT-i.r.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	0.5	67
47	Biomass catalytic fast pyrolysis over hierarchical ZSM-5 and Beta zeolites modified with Mg and Zn oxides. Biomass Conversion and Biorefinery, 2017, 7, 289-304.	4.6	67
48	Synthesis of isomorphously substituted extra-large pore UTL zeolites. Journal of Materials Chemistry, 2012, 22, 15793.	6.7	66
49	Hydrodeoxygenation of benzophenone on Pd catalysts. Applied Catalysis A: General, 2005, 296, 169-175.	4.3	64
50	Swelling and Interlayer Chemistry of Layered MWW Zeolites MCM-22 and MCM-56 with High Al Content. Chemistry of Materials, 2015, 27, 4620-4629.	6.7	64
51	Superior Performance of Metalâ€“Organic Frameworks over Zeolites as Solid Acid Catalysts in the Prins Reaction: Green Synthesis of Nopol. ChemSusChem, 2013, 6, 865-871.	6.8	63
52	MWW and MFI Frameworks as Model Layered Zeolites: Structures, Transformations, Properties, and Activity. ACS Catalysis, 2021, 11, 2366-2396.	11.2	63
53	Synthesis of organized mesoporous alumina templated with ionic liquids. Microporous and Mesoporous Materials, 2006, 95, 176-179.	4.4	62
54	The Assemblyâ€Disassemblyâ€Organizationâ€Reassembly Mechanism for 3Dâ€2Dâ€3D Transformation of Germanosilicate IWW Zeolite. Angewandte Chemie - International Edition, 2014, 53, 7048-7052.	13.8	62

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55	Germanosilicate Precursors of ADORable Zeolites Obtained by Disassembly of ITH, ITR, and IWR Zeolites. Chemistry of Materials, 2014, 26, 5789-5798.	6.7	60
56	Assemblyâ€“Disassemblyâ€“Organizationâ€“Reassembly Synthesis of Zeolites Based on cfi-Type Layers. Chemistry of Materials, 2017, 29, 5605-5611.	6.7	60
57	Twinned Growth of Metalâ€Free, Triazineâ€Based Photocatalyst Films as Mixedâ€Dimensional (2D/3D) van der Waals Heterostructures. Advanced Materials, 2017, 29, 1703399.	21.0	59
58	MgO-modified mesoporous silicas impregnated by potassium carbonate for carbon dioxide adsorption. Microporous and Mesoporous Materials, 2013, 167, 44-50.	4.4	57
59	High-temperature transformations of organised mesoporous alumina. Physical Chemistry Chemical Physics, 2002, 4, 4823-4829.	2.8	55
60	Catalysis by Dynamically Formed Defects in a Metalâ€“Organic Framework Structure: Knoevenagel Reaction Catalyzed by Copper Benzeneâ€1,3,5â€tricarboxylate. ChemCatChem, 2014, 6, 2821-2824.	3.7	54
61	Factors controlling iso-/n- andpara-selectivity in the alkylation of toluene with isopropanol on molecular sieves. Applied Catalysis A: General, 1994, 108, 187-204.	4.3	52
62	Deactivation Pathways of the Catalytic Activity of Metalâ€“Organic Frameworks in Condensation Reactions. ChemCatChem, 2013, 5, 1553-1561.	3.7	52
63	Ru-Based Complexes with Quaternary Ammonium Tags Immobilized on Mesoporous Silica as Olefin Metathesis Catalysts. ACS Catalysis, 2014, 4, 3227-3236.	11.2	52
64	Isosteric heats of adsorption of carbon dioxide on zeolite MCM-22 modified by alkali metal cations. Adsorption, 2009, 15, 264-270.	3.0	51
65	Grubbs Catalysts Immobilized on Mesoporous Molecular Sieves via Phosphine and Pyridine Linkers. ACS Catalysis, 2011, 1, 709-718.	11.2	51
66	Synthesis and adsorption investigations of zeolites MCM-22 andÂMCM-49 modified by alkali metal cations. Adsorption, 2007, 13, 257-265.	3.0	50
67	Mutable Lewis and BrÃ¸nsted Acidity of Aluminated SBA-15 as Revealed by NMR of Adsorbed Pyridine-¹⁵N. Langmuir, 2011, 27, 12115-12123.	3.5	50
68	Porosity of micro/mesoporous composites. Microporous and Mesoporous Materials, 2006, 92, 154-160.	4.4	49
69	Rhenium oxide supported on organized mesoporous alumina â€" A highly active and versatile catalyst for alkene, diene, and cycloalkene metathesis. Applied Catalysis A: General, 2006, 302, 193-200.	4.3	48
70	Synthesis and Postâ€Synthesis Transformation of Germanosilicate Zeolites. Angewandte Chemie - International Edition, 2020, 59, 19380-19389.	13.8	48
71	High activity of iron containing metalâ€“organic-framework in acylation of p-xylene with benzoyl chloride. Catalysis Today, 2012, 179, 85-90.	4.4	47
72	Rhenium Oxide Supported on Mesoporous Organised Alumina as a Catalyst for Metathesis of 1-Alkenes. Catalysis Letters, 2004, 97, 25-29.	2.6	46

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73	Disproportionation of trimethyl benzenes over large pore zeolites: catalytic and adsorption study. Applied Catalysis A: General, 2004, 277, 191-199.	4.3	45
74	Synthesis of highly ordered MCM-41 silica with spherical particles. Microporous and Mesoporous Materials, 2007, 104, 52-58.	4.4	45
75	A comparison of the ethylation of ethylbenzene and toluene on acid, cationic and silylated ZSM-5 zeolites. Catalysis Letters, 1992, 16, 421-429.	2.6	44
76	High acidity unilamellar zeolite MCM-56 and its pillared and delaminated derivatives. Dalton Transactions, 2014, 43, 10501.	3.3	44
77	Transalkylation of toluene with trimethylbenzenes over large-pore zeolites. Applied Catalysis A: General, 2010, 377, 99-106.	4.3	42
78	A new layered MWW zeolite synthesized with the bifunctional surfactant template and the updated classification of layered zeolite forms obtained by direct synthesis. Journal of Materials Chemistry A, 2019, 7, 7701-7709.	10.3	41
79	Guaiacol hydrodeoxygenation over Ni2P supported on 2D-zeolites. Catalysis Today, 2020, 345, 48-58.	4.4	41
80	Palladium Catalysts Supported on Mesoporous Molecular Sieves Bearing Nitrogen Donor Groups: Preparation and Use in Heck and Suzuki Cï£¿C Bondâ€Forming Reactions. ChemSusChem, 2009, 2, 442-451.	6.8	40
81	Selective oxidation of bulky organic sulphides over layered titanosilicate catalysts. Catalysis Science and Technology, 2016, 6, 2775-2786.	4.1	40
82	Formation of Mesopores in ZSM-5 by Carbon Templating. Studies in Surface Science and Catalysis, 2006, , 905-912.	1.5	39
83	Accessibility enhancement of TS-1-based catalysts for improving the epoxidation of plant oil-derived substrates. Catalysis Science and Technology, 2016, 6, 7280-7288.	4.1	39
84	To the infrared spectroscopy of natural uranyl phosphates. Physics and Chemistry of Minerals, 1984, 11, 172-177.	0.8	38
85	Post-Synthesis Modification of SSZ-35 Zeolite to Enhance the Selectivity in p-Xylene Alkylation with Isopropyl Alcohol. Topics in Catalysis, 2010, 53, 273-282.	2.8	38
86	Acidity of MCM-58 and MCM-68 zeolites in comparison with some other 12-ring zeolites. Microporous and Mesoporous Materials, 2010, 129, 256-266.	4.4	38
87	The use of palladium nanoparticles supported on MCM-41 mesoporous molecular sieves in Heck reaction: A comparison of basic and neutral supports. Journal of Molecular Catalysis A, 2007, 274, 127-132.	4.8	37
88	The Role of Crystallization Parameters for the Synthesis of Germanosilicate with UTL Topology. Chemistry - A European Journal, 2008, 14, 10134-10140.	3.3	37
89	Aromatic Transformations Over Mesoporous ZSM-5: Advantages and Disadvantages. Topics in Catalysis, 2010, 53, 1457-1469.	2.8	37
90	Selective synthesis of linear alkylbenzene by alkylation of benzene with 1-dodecene over desilicated zeolites. Catalysis Today, 2014, 227, 187-197.	4.4	36

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91	Alkali metal cation doped Al-SBA-15 for carbon dioxide adsorption. Physical Chemistry Chemical Physics, 2010, 12, 5240.	2.8	35
92	Tailored Band Gaps in Sulfurâ€•and Nitrogenâ€€Containing Porous Donorâ€“Acceptor Polymers. Chemistry - A European Journal, 2017, 23, 13023-13027.	3.3	35
93	The crucial role of clay binders in the performance of ZSM-5 based materials for biomass catalytic pyrolysis. Catalysis Science and Technology, 2019, 9, 789-802.	4.1	35
94	Preparation of heterogeneous catalysts supported on mesoporous molecular sieves modified with various N-groups and their use in the Heck reaction. Journal of Molecular Catalysis A, 2009, 302, 28-35.	4.8	34
95	Theoretical investigation of the FriedlÃnder reaction catalysed by CuBTC: Concerted effect of the adjacent Cu2+ sites. Catalysis Today, 2013, 204, 101-107.	4.4	33
96	Highly selective synthesis of campholenic aldehyde over Ti-MWW catalysts by Î±-pinene oxide isomerization. Catalysis Science and Technology, 2018, 8, 4690-4701.	4.1	33
97	Permethyltitanocene-bis(trimethylsilyl) acetylene, an efficient catalyst for the head-to-tail dimerization of 1-alkynes. Journal of Organometallic Chemistry, 1996, 509, 235-240.	1.8	32
98	High-Resolution Adsorption of Nitrogen on Mesoporous Alumina. Langmuir, 2004, 20, 7532-7539.	3.5	32
99	Pyrrole as a Probe Molecule for Characterization of Basic Sites in ZSM-5:Â A Combined FTIR Spectroscopy and Computational Study. Journal of Physical Chemistry B, 2004, 108, 16012-16022.	2.6	32
100	From Doubleâ€Fourâ€Ring Germanosilicates to New Zeolites: In Silico Investigation. ChemPhysChem, 2014, 15, 2972-2976.	2.1	31
101	Catalytic cracking of vacuum gasoil over -SVR, ITH, and MFI zeolites as FCC catalyst additives. Fuel Processing Technology, 2017, 161, 23-32.	7.2	31
102	Encapsulation of Pt nanoparticles into IPC-2 and IPC-4 zeolites using the ADOR approach. Microporous and Mesoporous Materials, 2019, 279, 364-370.	4.4	31
103	Preparation and catalytic application of MCM-41 modified with a ferrocene carboxyphosphine and a ruthenium complex. Journal of Molecular Catalysis A, 2004, 224, 161-169.	4.8	30
104	The use of palladium nanoparticles supported with MCM-41 and basic (Al)MCM-41 mesoporous sieves in microwave-assisted Heck reaction. Catalysis Today, 2008, 132, 63-67.	4.4	29
105	Palladium catalysts deposited on silica materials: Comparison of catalysts based on mesoporous and amorphous supports in Heck reaction. Journal of Molecular Catalysis A, 2010, 329, 13-20.	4.8	29
106	The effect of substrate size in the Beckmann rearrangement: MOFs vs. zeolites. Catalysis Today, 2013, 204, 94-100.	4.4	29
107	Intercalation chemistry of layered zeolite precursor IPC-1P. Catalysis Today, 2014, 227, 37-44.	4.4	29
108	Post-synthesis incorporation of Al into germanosilicate ITH zeolites: the influence of treatment conditions on the acidic properties and catalytic behavior in tetrahydropyranylation. Catalysis Science and Technology, 2015, 5, 2973-2984.	4.1	29

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109	Baeyerâ€“Villiger Oxidation of Cyclic Ketones by Using Tinâ€“Silica Pillared Catalysts. ChemCatChem, 2017, 9, 3063-3072.	3.7	29
110	Titanium-catalyzed cycloaddition reactions of phenyl(trimethylsilyl)acetylene to conjugated dienes and 1,3,5-cycloheptatriene. 1-Phenyl-2-(trimethylsilyl)-cyclohexa-1,4-dienes and their aromatization. Journal of Organometallic Chemistry, 1992, 436, 143-153.	1.8	28
111	Re(VII) oxide on mesoporous alumina of different typesâ€”Activity in the metathesis of olefins and their oxygen-containing derivatives. Applied Catalysis A: General, 2007, 320, 56-63.	4.3	28
112	Control of CO2adsorption heats by the Al distribution in FER zeolites. Physical Chemistry Chemical Physics, 2012, 14, 1117-1120.	2.8	28
113	Metalâ€“Organic Frameworks Mâ€MOFâ€74 and Mâ€MILâ€100: Comparison of Textural, Acidic, and Catalytic Properties. ChemPlusChem, 2016, 81, 828-835.	2.8	28
114	Comparison of oxidation properties of Nb and Sn in mesoporous molecular sieves. Applied Catalysis A: General, 2007, 321, 40-48.	4.3	27
115	Remarkable catalytic properties of hierarchical zeolite-Beta in epoxide rearrangement reactions. Catalysis Today, 2015, 243, 141-152.	4.4	27
116	New catalytic materials for energy and chemistry in transition. Chemical Society Reviews, 2018, 47, 8066-8071.	38.1	27
117	Aromatization of alkanes over Pt promoted conventional and mesoporous gallosilicates of MEL zeolite. Catalysis Today, 2012, 179, 61-72.	4.4	26
118	New inorganicâ€“organic hybrid materials based on SBA-15 molecular sieves involved in the quinolines synthesis. Catalysis Today, 2012, 187, 97-103.	4.4	26
119	A novel zinc(<scp>ii</scp>) metalâ€“organic framework with a diamond-like structure: synthesis, study of thermal robustness and gas adsorption properties. Dalton Transactions, 2016, 45, 1233-1242.	3.3	26
120	Zeolite-derived hybrid materials with adjustable organic pillars. Chemical Science, 2016, 7, 3589-3601.	7.4	26
121	Superior Activity of Isomorphously Substituted MOFs with MILâ€100(M=Al, Cr, Fe, In, Sc, V) Structure in the Prins Reaction: Impact of Metal Type. ChemPlusChem, 2017, 82, 152-159.	2.8	26
122	Highly selective synthesis of acetylferrocene by acylation of ferrocene over zeolites. Applied Catalysis A: General, 2007, 327, 255-260.	4.3	24
123	Green Synthesis of Acetals/Ketals: Efficient Solvent-Free Process for the Carbonyl/Hydroxyl Group Protection Catalyzed by SBA-15 Materials. Topics in Catalysis, 2009, 52, 148-152.	2.8	24
124	The importance of channel intersections in the catalytic performance of high silica stilbite. Journal of Catalysis, 2013, 298, 84-93.	6.2	24
125	Extraâ€Largeâ€Pore Zeolites with UTL Topology: Control of the Catalytic Activity by Variation in the Nature of the Active Sites. ChemCatChem, 2013, 5, 1891-1898.	3.7	24
126	Synthesis and catalytic properties of titanium containing extra-large pore zeolite CIT-5. Catalysis Today, 2014, 227, 80-86.	4.4	24

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127	Catalysis on Zeolites â€“ Catalysis Science & Technology. Catalysis Science and Technology, 2016, 6, 2465-2466.	4.1	24
128	Crystal structure, hydrogen bonding, mechanical properties and Raman spectrum of the lead uranyl silicate monohydrate mineral kasolite. RSC Advances, 2019, 9, 15323-15334.	3.6	24
129	Swelling and pillaring of the layered precursor IPC-1P: tiny details determine everything. Dalton Transactions, 2014, 43, 10548.	3.3	23
130	Surfactant-directed mesoporous zeolites with enhanced catalytic activity in tetrahydropyranylation of alcohols: Effect of framework type and morphology. Applied Catalysis A: General, 2017, 537, 24-32.	4.3	23
131	Hydrogenation and Hydrogenolysis of Acetophenone. Collection of Czechoslovak Chemical Communications, 2003, 68, 1969-1984.	1.0	22
132	Micro/Mesoporous Composites. Studies in Surface Science and Catalysis, 2007, 168, 301-VI.	1.5	22
133	Î±-Pinene oxide isomerization: role of zeolite structure and acidity in the selective synthesis of campholenic aldehyde. Catalysis Science and Technology, 2018, 8, 2488-2501.	4.1	22
134	Grafting of palladium nanoparticles onto mesoporous molecular sieve MCM-41: Heterogeneous catalysts for the formation of an N-substituted pyrrol. Journal of Molecular Catalysis A, 2007, 263, 259-265.	4.8	21
135	Synthesis, characterization and sorption properties of zinc(II) metalâ€“organic framework containing methanetetrabenzoate ligand. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 437, 101-107.	4.7	21
136	A New Family of Twoâ€Dimensional Zeolites Prepared from the Intermediate Layered Precursor IPCâ€3P Obtained during the Synthesis of TUN Zeolite. Chemistry - A European Journal, 2013, 19, 13937-13945.	3.3	21
137	Annulation of Phenols: Catalytic Behavior of Conventional and 2â€‰D Zeolites. ChemCatChem, 2014, 6, 1919-1927.	3.7	21
138	The BrÃ¸nsted acidity of three- and two-dimensional zeolites. Microporous and Mesoporous Materials, 2019, 282, 121-132.	4.4	21
139	Incorporation of Aluminum and Iron Into the ZSM-12 Zeolite: Synthesis and Characterization of Acid Sites. Collection of Czechoslovak Chemical Communications, 2002, 67, 1760-1778.	1.0	19
140	Needs and Gaps for Catalysis in Addressing Transitions in Chemistry and Energy from a Sustainability Perspective. ChemSusChem, 2019, 12, 621-632.	6.8	19
141	TUN, IMF and -SVR Zeolites; Synthesis, Properties and Acidity. Topics in Catalysis, 2010, 53, 1330-1339.	2.8	18
142	Transformation of aromatic hydrocarbons over isomorphously substituted UTL: Comparison with large and medium pore zeolites. Catalysis Today, 2013, 204, 22-29.	4.4	18
143	UTL zeolite and the way beyond. Microporous and Mesoporous Materials, 2013, 182, 229-238.	4.4	18
144	Zeolite supported palladium catalysts for hydroalkylation of phenolic model compounds. Microporous and Mesoporous Materials, 2017, 252, 116-124.	4.4	18

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145	Sonogashira Synthesis of New Porous Aromatic Framework-Entrapped Palladium Nanoparticles as Heterogeneous Catalysts for Suzukiâ€“Miyaura Cross-Coupling. ACS Applied Materials & Interfaces, 2022, 14, 10428-10437.	8.0	18
146	The Effect of Type of Acid Sites in Molecular Sieves on Activity and Selectivity in Acylation Reactions. Collection of Czechoslovak Chemical Communications, 2007, 72, 728-746.	1.0	17
147	Post-synthesis modification of TUN zeolite: Textural, acidic and catalytic properties. Catalysis Today, 2011, 168, 63-70.	4.4	17
148	Metathesis of 2-pentene over Mo and W supported mesoporous molecular sieves MCM-41 and SBA-15. Journal of Industrial and Engineering Chemistry, 2017, 53, 119-126.	5.8	17
149	Zeolite framework functionalisation by tuneable incorporation of various metals into the IPC-2 zeolite. Inorganic Chemistry Frontiers, 2018, 5, 2746-2755.	6.0	17
150	Solvent-free ketalization of polyols over germanosilicate zeolites: the role of the nature and strength of acid sites. Catalysis Science and Technology, 2020, 10, 8254-8264.	4.1	17
151	Structural Characterization of Micellar Aggregates in Sodium Dodecyl Sulfate/Aluminum Nitrate/Urea/Water System in the Synthesis of Mesoporous Alumina. Journal of Physical Chemistry B, 2004, 108, 7735-7743.	2.6	16
152	Polymerization of aliphatic alkynes with heterogeneous Mo catalysts supported on mesoporous molecular sieves. Journal of Polymer Science Part A, 2008, 46, 2593-2599.	2.3	16
153	Mesoporous Molecular Sieves as Advanced Supports for Olefin Metathesis Catalysts. Macromolecular Symposia, 2010, 293, 43-47.	0.7	16
154	The aqueous colloidal suspension of ultrathin 2D MCM-22P crystallites. Chemical Communications, 2014, 50, 7378.	4.1	16
155	Tuning of textural properties of germanosilicate zeolites ITH and IWW by acidic leaching. Journal of Energy Chemistry, 2016, 25, 318-326.	12.9	16
156	Interconversion of the CDO Layered Precursor ZSM-55 between FER and CDO Frameworks by Controlled Deswelling and Reassembly. Chemistry of Materials, 2016, 28, 3616-3619.	6.7	16
157	The effect of UTL layer connectivity in isoreticular zeolites on the catalytic performance in toluene alkylation. Catalysis Today, 2016, 277, 55-60.	4.4	16
158	Three-dimensional 10-ring zeolites: The activities in toluene alkylation and disproportionation. Catalysis Today, 2016, 259, 97-106.	4.4	16
159	Transition State and Diffusion Controlled Shape Selectivity in the Formation and Reaction of Xylenes. Studies in Surface Science and Catalysis, 1994, 83, 287-294.	1.5	15
160	Zeolites Efficiently Promote the Cyclization of Nonactivated Unsaturated Alcohols. Chemistry - A European Journal, 2010, 16, 12079-12082.	3.3	15
161	Experimental and theoretical study of pyrazole N-alkylation catalyzed by basic modified molecular sieves. Chemical Engineering Journal, 2010, 161, 377-383.	12.7	15
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