JiÅÃ- ÄŒejka

List of Publications by Year
in descending order

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345	16,058	16451 64	25787 108
papers	citations	h-index	g-index

374	374	374	10926
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	Perspectives of Micro/Mesoporous Composites in Catalysis. Catalysis Reviews - Science and Engineering, 2007, 49, 457-509.	12.9	350
5	Amine-modified ordered mesoporous silica: Effect of pore size on carbon dioxide capture. Chemical Engineering Journal, 2008, 144, 336-342.	12.7	345
6	Organized mesoporous alumina: synthesis, structure and potential in catalysis. Applied Catalysis A: General, 2003, 254, 327-338.	4.3	339
7	The ADOR mechanism for the synthesis of new zeolites. Chemical Society Reviews, 2015, 44, 7177-7206.	38.1	275
8	Zeolite-based materials for novel catalytic applications: Opportunities, perspectives and open problems. Catalysis Today, 2012, 179, 2-15.	4.4	274
9	Metal organic frameworks as heterogeneous catalysts for the production of fine chemicals. Catalysis Science and Technology, 2013, 3, 2509.	4.1	270
10	Two-dimensional zeolites: dream or reality?. Catalysis Science and Technology, 2011, 1, 43.	4.1	252
11	Recent Advances in Catalysis Over Mesoporous Molecular Sieves. Topics in Catalysis, 2010, 53, 141-153.	2.8	237
12	Synthesis, Characterization and Catalytic Applications of Organized Mesoporous Aluminas. Catalysis Reviews - Science and Engineering, 2008, 50, 222-286.	12.9	231
13	From 3D to 2D zeolite catalytic materials. Chemical Society Reviews, 2018, 47, 8263-8306.	38.1	230
14	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
15	Synthesis of â€˜unfeasibleâ€™ zeolites. Nature Chemistry, 2016, 8, 58-62.	13.6	186
16	Comparison of the catalytic activity of MOFs and zeolites in Knoevenagel condensation. Catalysis Science and Technology, 2013, 3, 500-507.	4.1	179
17	Transport and Isomerization of Xylenes over HZSM-5 Zeolites. Journal of Catalysis, 1993, 139, 24-33.	6.2	178
18	Two-dimensional zeolites in catalysis: current status and perspectives. Catalysis Science and Technology, 2016, 6, 2467-2484.	4.1	161

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19	Exploiting chemically selective weakness in solids as a route to new porous materials. Nature Chemistry, 2015, 7, 381-388.	13.6	153
20	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
21	Acidic and catalytic properties of hierarchical zeolites and hybrid ordered mesoporous materials assembled from MFI protozeolitic units. Journal of Catalysis, 2011, 279, 366-380.	6.2	145
22	Preparation of nanosized micro/mesoporous composites via simultaneous synthesis of Beta/MCM-48 phases. Microporous and Mesoporous Materials, 2003, 64, 165-174.	4.4	143
23	Application of Molecular Sieves in Transformations of Biomass and Biomass-Derived Feedstocks. Catalysis Reviews - Science and Engineering, 2013, 55, 1-78.	12.9	142
24	[Cu₃(BTC)₂]: A Metalâ€“Organic Framework Catalyst for the FriedlÃnder Reaction. ChemCatChem, 2011, 3, 157-159.	3.7	139
25	Direct synthesis of carbon-templating mesoporous ZSM-5 using microwave heating. Journal of Catalysis, 2010, 276, 327-334.	6.2	137
26	Heterogeneous Pd catalysts supported on silica matrices. RSC Advances, 2014, 4, 65137-65162.	3.6	137
27	Functionalization of Delaminated Zeolite ITQ-6 for the Adsorption of Carbon Dioxide. Langmuir, 2009, 25, 10314-10321.	3.5	134
28	Acylation Reactions over Zeolites and Mesoporous Catalysts. ChemSusChem, 2009, 2, 486-499.	6.8	128
29	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
30	Synthesis of quinolines via FriedlÃnder reaction catalyzed by CuBTC metalâ€“organic-framework. Dalton Transactions, 2012, 41, 4036.	3.3	118
31	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
32	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
33	Zeolites with Continuously Tuneable Porosity. Angewandte Chemie - International Edition, 2014, 53, 13210-13214.	13.8	104
34	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
35	Metal Organic Frameworks as Solid Catalysts in Condensation Reactions of Carbonyl Groups. Advanced Synthesis and Catalysis, 2013, 355, 247-268.	4.3	97
36	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

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37	Control of Al distribution in ZSM-5 by conditions of zeolite synthesis. Chemical Communications, 2003, , 1196-1197.	4.1	93
38	Controlling the Adsorption Enthalpy of CO₂ in Zeolites by Framework Topology and Composition. ChemSusChem, 2012, 5, 2011-2022.	6.8	93
39	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
40	Grafting of Alumina on SBA-15: Effect of Surface Roughness. Langmuir, 2008, 24, 9837-9842.	3.5	92
41	2D Oxide Nanomaterials to Address the Energy Transition and Catalysis. Advanced Materials, 2019, 31, e1801712.	21.0	88
42	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
43	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
44	Solid Acid Catalysts for Coumarin Synthesis by the Pechmann Reaction: MOFs versus Zeolites. ChemCatChem, 2013, 5, 1024-1031.	3.7	82
45	Decisive role of transport rate of products for zeolite para-selectivity: Effect of coke deposition and external surface silylation on activity and selectivity of HZSM-5 in alkylation of toluene. Zeolites, 1996, 17, 265-271.	0.5	81
46	The Role of Template Structure and Synergism between Inorganic and Organic Structure Directing Agents in the Synthesis of UTL Zeolite. Chemistry of Materials, 2010, 22, 3482-3495.	6.7	78
47	Mesoporous molecular sieves as advanced supports for olefin metathesis catalysts. Coordination Chemistry Reviews, 2013, 257, 3107-3124.	18.8	78
48	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
49	Nitrogen adsorption study of organised mesoporous alumina. Physical Chemistry Chemical Physics, 2001, 3, 5076-5081.	2.8	76
50	3D to 2D Routes to Ultrathin and Expanded Zeolitic Materials. Chemistry of Materials, 2013, 25, 542-547.	6.7	76
51	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
52	Combined volumetric, infrared spectroscopic and theoretical investigation of CO2 adsorption on Na-A zeolite. Microporous and Mesoporous Materials, 2011, 146, 97-105.	4.4	75
53	Zeolite (In)Stability under Aqueous or Steaming Conditions. Advanced Materials, 2020, 32, e2003264.	21.0	75
54	The effect of MFI zeolite lamellar and related mesostructures on toluene disproportionation and alkylation. Catalysis Science and Technology, 2013, 3, 2119.	4.1	74

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55	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
56	Mesoporous MFI Zeolite Nanosponge as a High-Performance Catalyst in the Pechmann Condensation Reaction. ACS Catalysis, 2015, 5, 2596-2604.	11.2	74
57	Multinuclear MQMAS NMR Study of NH4/Na-Ferrierites. Journal of Physical Chemistry B, 1998, 102, 1372-1378.	2.6	72
58	Raman spectroscopic study of the uranyl carbonate mineral voglite. Journal of Raman Spectroscopy, 2008, 39, 374-379.	2.5	72
59	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
60	Catalytic activity of micro/mesoporous composites in toluene alkylation with propylene. Applied Catalysis A: General, 2005, 281, 85-91.	4.3	68
61	Surface reactivity of ZSM-5 zeolites in interaction with ketones at ambient temperature (a FT-i.r.) Tj ETQq1 1 0.784314 rgBT /Overlock	0.5	67
62	Catalytic cracking of Arabian Light VGO over novel zeolites as FCC catalyst additives for maximizing propylene yield. Fuel, 2016, 167, 226-239.	6.4	67
63	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
64	Synthesis of isomorphously substituted extra-large pore UTL zeolites. Journal of Materials Chemistry, 2012, 22, 15793.	6.7	66
65	Mechanism of n-Propyltoluene Formation in C3 Alkylation of Toluene: The Effect of Zeolite Structural Type. Journal of Catalysis, 1994, 146, 523-529.	6.2	65
66	Hydrodeoxygenation of benzophenone on Pd catalysts. Applied Catalysis A: General, 2005, 296, 169-175.	4.3	64
67	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
68	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
69	In situ solid-state NMR and XRD studies of the ADOR process and the unusual structure of zeolite IPC-6. Nature Chemistry, 2017, 9, 1012-1018.	13.6	63
70	MWW and MFI Frameworks as Model Layered Zeolites: Structures, Transformations, Properties, and Activity. ACS Catalysis, 2021, 11, 2366-2396.	11.2	63
71	Synthesis of organized mesoporous alumina templated with ionic liquids. Microporous and Mesoporous Materials, 2006, 95, 176-179.	4.4	62
72	Raman and infrared spectroscopic study of the molybdateâ€containing uranyl mineral calcurmolite. Journal of Raman Spectroscopy, 2008, 39, 779-785.	2.5	62

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73	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
74	High activity of highly loaded MoS2 hydrodesulfurization catalysts supported on organised mesoporous alumina. Catalysis Communications, 2002, 3, 151-157.	3.3	60
75	Germanosilicate Precursors of ADORable Zeolites Obtained by Disassembly of ITH, ITR, and IWR Zeolites. Chemistry of Materials, 2014, 26, 5789-5798.	6.7	60
76	Assemblyâ€“Disassemblyâ€“Organizationâ€“Reassembly Synthesis of Zeolites Based on cfi-Type Layers. Chemistry of Materials, 2017, 29, 5605-5611.	6.7	60
77	Alkaline Modification of MCM-22 to a 3D Interconnected Pore System and its Application in Toluene Disproportionation and Alkylation. Topics in Catalysis, 2009, 52, 1190-1202.	2.8	59
78	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
79	MgO-modified mesoporous silicas impregnated by potassium carbonate for carbon dioxide adsorption. Microporous and Mesoporous Materials, 2013, 167, 44-50.	4.4	57
80	Carbon dioxide adsorption over amine modified silica: Effect of amine basicity and entropy factor on isosteric heats of adsorption. Chemical Engineering Journal, 2018, 348, 327-337.	12.7	57
81	Aldol condensation of furfural with acetone over ion-exchanged and impregnated potassium BEA zeolites. Journal of Molecular Catalysis A, 2016, 424, 358-368.	4.8	56
82	Selective synthesis of cumene and p-cymene over Al and Fe silicates with large and medium pore structures. Microporous Materials, 1996, 6, 405-414.	1.6	55
83	High-temperature transformations of organised mesoporous alumina. Physical Chemistry Chemical Physics, 2002, 4, 4823-4829.	2.8	55
84	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
85	A Raman spectroscopic study of the uranyl carbonate rutherfordine. Journal of Raman Spectroscopy, 2007, 38, 1488-1493.	2.5	53
86	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
87	Deactivation Pathways of the Catalytic Activity of Metalâ€“Organic Frameworks in Condensation Reactions. ChemCatChem, 2013, 5, 1553-1561.	3.7	52
88	Ru-Based Complexes with Quaternary Ammonium Tags Immobilized on Mesoporous Silica as Olefin Metathesis Catalysts. ACS Catalysis, 2014, 4, 3227-3236.	11.2	52
89	Isosteric heats of adsorption of carbon dioxide on zeolite MCM-22 modified by alkali metal cations. Adsorption, 2009, 15, 264-270.	3.0	51
90	Grubbs Catalysts Immobilized on Mesoporous Molecular Sieves via Phosphine and Pyridine Linkers. ACS Catalysis, 2011, 1, 709-718.	11.2	51

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91	UTL titanosilicate: An extra-large pore epoxidation catalyst with tunable textural properties. Catalysis Today, 2016, 277, 2-8.	4.4	51
92	Synthesis and adsorption investigations of zeolites MCM-22 andÂMCM-49 modified by alkali metal cations. Adsorption, 2007, 13, 257-265.	3.0	50
93	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
94	Porosity of micro/mesoporous composites. Microporous and Mesoporous Materials, 2006, 92, 154-160.	4.4	49
95	Preparation of nanosized micro/mesoporous composites. Materials Science and Engineering C, 2003, 23, 1001-1005.	7.3	48
96	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
97	Synthesis and Postâ€Synthesis Transformation of Germanosilicate Zeolites. Angewandte Chemie - International Edition, 2020, 59, 19380-19389.	13.8	48
98	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
99	Rhenium Oxide Supported on Mesoporous Organised Alumina as a Catalyst for Metathesis of 1-Alkenes. Catalysis Letters, 2004, 97, 25-29.	2.6	46
100	Disproportionation of trimethyl benzenes over large pore zeolites: catalytic and adsorption study. Applied Catalysis A: General, 2004, 277, 191-199.	4.3	45
101	Synthesis of highly ordered MCM-41 silica with spherical particles. Microporous and Mesoporous Materials, 2007, 104, 52-58.	4.4	45
102	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
103	High acidity unilamellar zeolite MCM-56 and its pillared and delaminated derivatives. Dalton Transactions, 2014, 43, 10501.	3.3	44
104	Some novel porous materials for selective catalytic oxidations. Materials Today, 2020, 32, 244-259.	14.2	44
105	Insertion of Internal Alkynes and Ethene into Permethylated Singly Tucked-in Titanocene. Organometallics, 2008, 27, 5532-5547.	2.3	42
106	Transalkylation of toluene with trimethylbenzenes over large-pore zeolites. Applied Catalysis A: General, 2010, 377, 99-106.	4.3	42
107	Characterization of potassium-modified FAU zeolites and their performance in aldol condensation of furfural and acetone. Applied Catalysis A: General, 2018, 549, 8-18.	4.3	41
108	Synthesis and Characterisation of Hierarchically Structured Titanium Silicaliteâ€1 Zeolites with Large Intracrystalline Macropores. Chemistry - A European Journal, 2019, 25, 14430-14440.	3.3	41

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109	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
110	Guaiacol hydrodeoxygenation over Ni2P supported on 2D-zeolites. Catalysis Today, 2020, 345, 48-58.	4.4	41
111	A Raman spectroscopic study of the uranyl sulphate mineral johannite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 2702-2707.	3.9	40
112	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
113	Selective oxidation of bulky organic sulphides over layered titanosilicate catalysts. Catalysis Science and Technology, 2016, 6, 2775-2786.	4.1	40
114	Advances and challenges in zeolite synthesis and catalysis. Catalysis Today, 2020, 345, 2-13.	4.4	40
115	Formation of Mesopores in ZSM-5 by Carbon Templating. Studies in Surface Science and Catalysis, 2006, , 905-912.	1.5	39
116	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
117	Tuning the Porosity and Photocatalytic Performance of Triazineâ€Based Graphdiyne Polymers through Polymorphism. ChemSusChem, 2019, 12, 194-199.	6.8	39
118	To the infrared spectroscopy of natural uranyl phosphates. Physics and Chemistry of Minerals, 1984, 11, 172-177.	0.8	38
119	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
120	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
121	Fluorescent Sulphurâ€and Nitrogenâ€Containing Porous Polymers with Tuneable Donorâ€“Acceptor Domains for Lightâ€Driven Hydrogen Evolution. Chemistry - A European Journal, 2018, 24, 11916-11921.	3.3	38
122	Alkylation and disproportionation of aromatic hydrocarbons over mesoporous molecular sieves. Microporous and Mesoporous Materials, 2001, 44-45, 499-507.	4.4	37
123	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
124	The Role of Crystallization Parameters for the Synthesis of Germanosilicate with UTL Topology. Chemistry - A European Journal, 2008, 14, 10134-10140.	3.3	37
125	Aromatic Transformations Over Mesoporous ZSM-5: Advantages and Disadvantages. Topics in Catalysis, 2010, 53, 1457-1469.	2.8	37
126	Liquid dispersions of zeolite monolayers with high catalytic activity prepared by soft-chemical exfoliation. Science Advances, 2020, 6, eaay8163.	10.3	37

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127	Selective synthesis of linear alkylbenzene by alkylation of benzene with 1-dodecene over desilicated zeolites. Catalysis Today, 2014, 227, 187-197.	4.4	36
128	Alkali metal cation doped Al-SBA-15 for carbon dioxide adsorption. Physical Chemistry Chemical Physics, 2010, 12, 5240.	2.8	35
129	Tailored Band Gaps in Sulfurâ€•and Nitrogenâ€Containing Porous Donorâ€“Acceptor Polymers. Chemistry - A European Journal, 2017, 23, 13023-13027.	3.3	35
130	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
131	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
132	Thermodynamics of CO2 adsorption on functionalized SBA-15 silica. NLDFT analysis of surface energetic heterogeneity. Physical Chemistry Chemical Physics, 2011, 13, 15468.	2.8	34
133	Hydrotreating catalysts supported on organized mesoporous alumina: Optimization of Mo deposition and promotional effects of Co and Ni. Applied Catalysis A: General, 2008, 351, 93-101.	4.3	33
134	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
135	Theoretical investigation of layered zeolites with MWW topology: MCM-22P vs. MCM-56. Dalton Transactions, 2014, 43, 10443-10450.	3.3	33
136	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
137	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
138	High-Resolution Adsorption of Nitrogen on Mesoporous Alumina. Langmuir, 2004, 20, 7532-7539.	3.5	32
139	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
140	Bidimensional ZSM-5 zeolites probed as catalysts for polyethylene cracking. Catalysis Science and Technology, 2016, 6, 2754-2765.	4.1	32
141	The effect of pore size dimensions in isoreticular zeolites on carbon dioxide adsorption heats. Journal of CO2 Utilization, 2018, 24, 157-163.	6.8	32
142	Performance of MCM-22 zeolite for the catalytic fast-pyrolysis of acid-washed wheat straw. Catalysis Today, 2018, 304, 30-38.	4.4	32
143	From Doubleâ€Fourâ€Ring Germanosilicates to New Zeolites: In Silico Investigation. ChemPhysChem, 2014, 15, 2972-2976.	2.1	31
144	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

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145	Microporous Leadâ€“Organic Framework for Selective CO₂ Adsorption and Heterogeneous Catalysis. Inorganic Chemistry, 2018, 57, 1774-1786.	4.0	31
146	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
147	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
148	Catalytic transformation of methyl benzenes over zeolite catalysts. Applied Catalysis A: General, 2011, 394, 176-190.	4.3	30
149	Titanium impregnated borosilicate zeolites for epoxidation catalysis. Microporous and Mesoporous Materials, 2015, 212, 28-34.	4.4	30
150	Effect of hierarchical porosity in Beta zeolites on the Beckmann rearrangement of oximes. Catalysis Science and Technology, 2017, 7, 181-190.	4.1	30
151	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
152	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
153	The effect of substrate size in the Beckmann rearrangement: MOFs vs. zeolites. Catalysis Today, 2013, 204, 94-100.	4.4	29
154	Intercalation chemistry of layered zeolite precursor IPC-1P. Catalysis Today, 2014, 227, 37-44.	4.4	29
155	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
156	Baeyerâ€“Villiger Oxidation of Cyclic Ketones by Using Tinâ€“Silica Pillared Catalysts. ChemCatChem, 2017, 9, 3063-3072.	3.7	29
157	Vapour-phase-transport rearrangement technique for the synthesis of new zeolites. Nature Communications, 2019, 10, 5129.	12.8	29
158	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
159	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
160	Control of CO2adsorption heats by the Al distribution in FER zeolites. Physical Chemistry Chemical Physics, 2012, 14, 1117-1120.	2.8	28
161	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
162	Comparison of oxidation properties of Nb and Sn in mesoporous molecular sieves. Applied Catalysis A: General, 2007, 321, 40-48.	4.3	27

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