NadÄ›Å¾da Å½ilkovÃ¡

List of Publications by Year
in descending order

74 papers	2,500 citations	172457 29 h-index	197818 49 g-index
77 all docs	77 docs citations	77 times ranked	2506 citing authors

#	Article	IF	Citations
1	Synthesis, Characterization and Catalytic Applications of Organized Mesoporous Aluminas. Catalysis Reviews - Science and Engineering, 2008, 50, 222-286.	12.9	231
2	Transformation of Vegetable Oils into Hydrocarbons over Mesoporous-Alumina-Supported CoMo Catalysts. Topics in Catalysis, 2009, 52, 161-168.	2.8	161
3	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
4	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
5	Effect of Broensted and Lewis sites in ferrierites on skeletal isomerization of n-butenes. Applied Catalysis A: General, 1999, 182, 297-308.	4.3	82
6	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
7	Activity and selectivity of zeolites MCM-22 and MCM-58 in the alkylation of toluene with propylene. Microporous and Mesoporous Materials, 2002, 53, 121-133.	4.4	77
8	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
9	Nitrogen adsorption study of organised mesoporous alumina. Physical Chemistry Chemical Physics, 2001, 3, 5076-5081.	2.8	76
10	The effect of MFI zeolite lamellar and related mesostructures on toluene disproportionation and alkylation. Catalysis Science and Technology, 2013, 3, 2119.	4.1	74
11	Catalytic activity of micro/mesoporous composites in toluene alkylation with propylene. Applied Catalysis A: General, 2005, 281, 85-91.	4.3	68
12	Synthesis of organized mesoporous alumina templated with ionic liquids. Microporous and Mesoporous Materials, 2006, 95, 176-179.	4.4	62
13	High activity of highly loaded MoS2 hydrodesulfurization catalysts supported on organised mesoporous alumina. Catalysis Communications, 2002, 3, 151-157.	3.3	60
14	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
15	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
16	Ru-Based Complexes with Quaternary Ammonium Tags Immobilized on Mesoporous Silica as Olefin Metathesis Catalysts. ACS Catalysis, 2014, 4, 3227-3236.	11.2	52
17	Grubbs Catalysts Immobilized on Mesoporous Molecular Sieves via Phosphine and Pyridine Linkers. ACS Catalysis, 2011, 1, 709-718.	11.2	51
18	Porosity of micro/mesoporous composites. Microporous and Mesoporous Materials, 2006, 92, 154-160.	4.4	49

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19	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
20	Rhenium Oxide Supported on Mesoporous Organised Alumina as a Catalyst for Metathesis of 1-Alkenes. Catalysis Letters, 2004, 97, 25-29.	2.6	46
21	Experimental study of the effect of Si/Al composition on the aluminum distribution in (Al)MCM-41. Microporous and Mesoporous Materials, 2001, 44-45, 259-266.	4.4	44
22	MCM-41 anchored Schrock catalyst Mo(CHCMe2Ph)(N-2,6-i-Pr2C6H3)[OCMe(CF3)2]2-activity in 1-heptene metathesis and cross-metathesis reactions. Journal of Molecular Catalysis A, 2005, 232, 53-58.	4.8	42
23	Molybdenum oxide catalysts for metathesis of higher 1-alkenes via supporting MoO2(acetylacetonate)2 and MoO2(glycolate)2 on SBA-15 mesoporous molecular sieves. Applied Catalysis A: General, 2009, 359, 129-135.	4.3	42
24	Alkylation and disproportionation of aromatic hydrocarbons over mesoporous molecular sieves. Microporous and Mesoporous Materials, 2001, 44-45, 499-507.	4.4	37
25	The Role of Crystallization Parameters for the Synthesis of Germanosilicate with UTL Topology. Chemistry - A European Journal, 2008, 14, 10134-10140.	3.3	37
26	Aromatic Transformations Over Mesoporous ZSM-5: Advantages and Disadvantages. Topics in Catalysis, 2010, 53, 1457-1469.	2.8	37
27	Hoveydaâ€"Grubbs type metathesis catalyst immobilized on mesoporous molecular sieves MCM-41 and SBA-15. Beilstein Journal of Organic Chemistry, 2011, 7, 22-28.	2.2	34
28	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
29	High-Resolution Adsorption of Nitrogen on Mesoporous Alumina. Langmuir, 2004, 20, 7532-7539.	3.5	32
30	Role of surface complexes on titanium-silicate in the ammoximation of cyclohexanone with hydrogen peroxide. Applied Catalysis A: General, 1991, 79, 105-114.	4.3	28
31	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
32	SBA-15 Immobilized Ruthenium Carbenes as Catalysts for Ring Closing Metathesis and Ring Opening Metathesis Polymerization. Topics in Catalysis, 2010, 53, 200-209.	2.8	27
33	The importance of channel intersections in the catalytic performance of high silica stilbite. Journal of Catalysis, 2013, 298, 84-93.	6.2	24
34	Transformations of aromatic hydrocarbons over zeolites. Research on Chemical Intermediates, 2008, 34, 439-454.	2.7	23
35	10-ring Zeolites: Synthesis, characterization and catalytic applications. Catalysis Today, 2019, 324, 3-14.	4.4	23
36	Hoveydaâ€"Grubbs type metathesis catalyst immobilized on mesoporous molecular sievesâ€"The influence of pore size on the catalyst activity. Catalysis Today, 2012, 179, 123-129.	4.4	20

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37	Ru complexes of Hoveydaâ€“Grubbs type immobilized on lamellar zeolites: activity in olefin metathesis reactions. Beilstein Journal of Organic Chemistry, 2015, 11, 2087-2096.	2.2	19
38	Transformation of aromatic hydrocarbons over isomorphously substituted UTL: Comparison with large and medium pore zeolites. Catalysis Today, 2013, 204, 22-29.	4.4	18
39	Metathesis of cardanol over Ru catalysts supported on mesoporous molecular sieve SBA-15. Applied Catalysis A: General, 2014, 478, 138-145.	4.3	18
40	Homogeneous and heterogeneous cyclopentadienyl-arene titanium catalysts for selective ethylene trimerization to 1-hexene. Journal of Organometallic Chemistry, 2015, 777, 57-66.	1.8	18
41	Mesoporous alumina as a support for hydrodesulfurization catalysts. Studies in Surface Science and Catalysis, 2002, , 243-250.	1.5	17
42	Post-synthesis modification of TUN zeolite: Textural, acidic and catalytic properties. Catalysis Today, 2011, 168, 63-70.	4.4	17
43	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
44	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
45	Three-dimensional 10-ring zeolites: The activities in toluene alkylation and disproportionation. Catalysis Today, 2016, 259, 97-106.	4.4	16
46	Hybrid Catalysts for Acetylenes Polymerization Prepared by Anchoring [Rh(cod)Cl]2 on MCM-41, MCM-48 and SBA-15 Mesoporous Molecular Sieves - The Effect of Support Structure on Catalytic Activity in Polymerization of Phenylacetylene and 4-Ethynyl-N-{4-[(trimethylsilyl)ethynyl]benzylidene}aniline. Collection of Czechoslovak Chemical Communications, 2003, 68, 1861-1876.	1.0	15
47	Incorporation of titanium into the framework sites of Na-zeolites using TiCL4: Catalytic activity in the ammoximation of cyclohexanone to cyclohexanone oxime. Applied Catalysis A: General, 1993, 103, L1-L4.	4.3	14
48	Hoveydaâ€“Grubbs first generation type catalyst immobilized on mesoporous molecular sieves. Journal of Molecular Catalysis A, 2013, 378, 184-192.	4.8	13
49	Metathesis of cardanol over ammonium tagged Hoveyda-Grubbs type catalyst supported on SBA-15. Catalysis Today, 2018, 304, 127-134.	4.4	13
50	Oxidation of adamantanone and norcamphor over tin containing mesoporous molecular sieves. Studies in Surface Science and Catalysis, 2005, 158, 1589-1596.	1.5	12
51	Characterization of textural and surface properties of mesoporous metathesis catalysis. Studies in Surface Science and Catalysis, 2007, 170, 1145-1152.	1.5	11
52	Hydrogenation of titanocene and zirconocene bis(trimethylsilyl)acetylene complexes. Dalton Transactions, 2018, 47, 8921-8932.	3.3	11
53	Hydrodehalogenation of organohalides by Et₃SiH catalysed by group 4 metal complexes and B(C₆F₅)₃. Dalton Transactions, 2020, 49, 2771-2775.	3.3	10
54	Introduction of tin into mesoporous molecular sieves for oxidation of adamantanone. Studies in Surface Science and Catalysis, 2005, 156, 779-786.	1.5	9

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55	Synthesis and characterization of novel zeolites MCM-58 and MCM-68. Studies in Surface Science and Catalysis, 2005, 158, 59-66.	1.5	7
56	Solvent-Induced Textural Changes of As-Synthesized Mesoporous Alumina, As Reported by Spin Probe Electron Spin Resonance Spectroscopy. Langmuir, 2005, 21, 2591-2597.	3.5	7
57	Kinetic and Theoretical Study of the Effect of Molecular Sieve Structure on the Selectivity to Propylbenzenes in Alkylation of Benzene with Isopropyl Alcohol. Collection of Czechoslovak Chemical Communications, 1998, 63, 1769-1780.	1.0	7
58	(Al)-ZSM-12: Synthesis and modification of acid sites. Studies in Surface Science and Catalysis, 2002, , 247-254.	1.5	6
59	Catalytic applications and FTIR investigation of zeolite SSZ-33 after isomorphous substitution. Microporous and Mesoporous Materials, 2014, 194, 174-182.	4.4	6
60	Photochemical oxidation of ethylbenzene and other hydrocarbons in the presence of cobalt(III) 2,4-pentanedionate. Collection of Czechoslovak Chemical Communications, 1984, 49, 2376-2381.	1.0	5
61	(Al)MCM-41 Molecular Sieves. Aluminium Distribution, Uniformity and Structure of Inner Surface. Collection of Czechoslovak Chemical Communications, 2003, 68, 1998-2018.	1.0	5
62	Microporous and mesoporous molecular sieves for alkylation of toluene with olefins. Studies in Surface Science and Catalysis, 2005, 158, 1945-1952.	1.5	5
63	Uniformity and Ordering of Inner Walls of (Al)MCM-41. Collection of Czechoslovak Chemical Communications, 2001, 66, 567-574.	1.0	5
64	MoO3 on zeolites MCM-22, MCM-56 and 2D-MFI as catalysts for 1-octene metathesis. Beilstein Journal of Organic Chemistry, 2018, 14, 2931-2939.	2.2	3
65	Electrosyntheses of 3-acetyl- and 3-methoxycarbonyl-2,5-dimethoxy-2,5-dihydrofuranes. Collection of Czechoslovak Chemical Communications, 1982, 47, 3261-3267.	1.0	3
66	The Effect of Acidity of Al and Fe Silicates with MFI Structure on Benzene and Toluene Alkylation with Isopropyl Alcohol. Collection of Czechoslovak Chemical Communications, 1996, 61, 1115-1130.	1.0	3
67	Hydrogenation of CO2 on Nanostructured Cu/FeOx Catalysts: The Effect of Morphology and Cu Load on Selectivity. Catalysts, 2022, 12, 516.	3.5	3
68	Molecular sieve catalysts for metathesis reactions. Studies in Surface Science and Catalysis, 2008, 174, 61-66.	1.5	2
69	New Templating Route for Synthesis of Mesoporous Alumina. Collection of Czechoslovak Chemical Communications, 2008, 73, 1125-1131.	1.0	2
70	Novel approach towards Al-rich AFI for catalytic application. Applied Catalysis A: General, 2019, 577, 62-68.	4.3	2
71	The Effect of Acid Sites in Skeletal Isomerization of N-Butenes over Ferrierites and Coalpo-11. , 1998, , 391-396.		1
72	An-Additions to 2,5-dimethoxy-2,5-dihydrofurans, containing electron-accepting substituents in position 3. Collection of Czechoslovak Chemical Communications, 1982, 47, 3055-3061.	1.0	1

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73	Acylation of toluene with isobutyryl chloride. Studies in Surface Science and Catalysis, 2004, , 2717-2723.	1.5	0
74	Characterization of basic sites in zeolites for toluene side-chain alkylation with methanol. Studies in Surface Science and Catalysis, 2005, , 1629-1636.	1.5	0