

Blanka Wichterlova

List of Publications by Year in descending order

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papers

8,565
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29994

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149
times ranked

4140
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#	ARTICLE	IF	CITATIONS
1	Enhancement of propene oligomerization and aromatization by proximate protons in zeolites; FTIR study of the reaction pathway in ZSM-5. <i>Catalysis Science and Technology</i> , 2019, 9, 4262-4275.	2.1	43
2	Proton proximity – New key parameter controlling adsorption, desorption and activity in propene oligomerization over H-ZSM-5 zeolites. <i>Journal of Catalysis</i> , 2016, 344, 157-172.	3.1	71
3	Al-rich beta zeolites. Distribution of Al atoms in the framework and related protonic and metal-ion species. <i>Journal of Catalysis</i> , 2016, 333, 102-114.	3.1	86
4	Unprecedented propane-SCR-NO _x activity over template-free synthesized Al-rich Co-BEA zeolite. <i>Journal of Catalysis</i> , 2015, 332, 201-211.	3.1	31
5	Incorporation of Al at ZSM-5 hydrothermal synthesis. Tuning of Al pairs in the framework. <i>Microporous and Mesoporous Materials</i> , 2015, 202, 138-146.	2.2	70
6	Critical evaluation of the role of the distribution of Al atoms in the framework for the activity of metallo-zeolites in redox N ₂ O/NO _x reactions. <i>Applied Catalysis A: General</i> , 2014, 474, 178-185.	2.2	39
7	Tailoring of the structure of Fe-cationic species in Fe-ZSM-5 by distribution of Al atoms in the framework for N ₂ O decomposition and NH ₃ -SCR-NO _x . <i>Journal of Catalysis</i> , 2014, 312, 123-138.	3.1	99
8	Acid and redox activity of template-free Al-rich H-BEA* and Fe-BEA* zeolites. <i>Journal of Catalysis</i> , 2014, 318, 22-33.	3.1	50
9	Structure and critical function of Fe and acid sites in Fe-ZSM-5 in propane oxidative dehydrogenation with N ₂ O and N ₂ O decomposition. <i>Journal of Catalysis</i> , 2013, 299, 188-203.	3.1	77
10	Synthesis of ZSM-5 Zeolites with Defined Distribution of Al Atoms in the Framework and Multinuclear MAS NMR Analysis of the Control of Al Distribution. <i>Chemistry of Materials</i> , 2012, 24, 3231-3239.	3.2	190
11	Siting and Distribution of Framework Aluminium Atoms in Silicon-Rich Zeolites and Impact on Catalysis. <i>Catalysis Reviews - Science and Engineering</i> , 2012, 54, 135-223.	5.7	357
12	Tailoring of Fe-ferrierite for N ₂ O decomposition: On the decisive role of framework Al distribution for catalytic activity of Fe species in Fe-ferrierite. <i>Microporous and Mesoporous Materials</i> , 2011, 146, 172-183.	2.2	35
13	Control of metal ion species in zeolites by distribution of aluminium in the framework: From structural analysis to performance under real conditions of SCR-NO _x and NO, N ₂ O decomposition. <i>Applied Catalysis A: General</i> , 2011, 391, 244-253.	2.2	56
14	FTIR and ²⁷ Al MAS NMR analysis of the effect of framework Al- and Si-defects in micro- and micro-mesoporous H-ZSM-5 on conversion of methanol to hydrocarbons. <i>Microporous and Mesoporous Materials</i> , 2011, 143, 87-96.	2.2	186
15	Effect of the particle size and surface area of tungstated zirconia on the WO _x nuclearity and n-heptane isomerization over Pt/WO ₃ -ZrO ₂ . <i>Applied Catalysis A: General</i> , 2011, 397, 82-93.	2.2	44
16	The decisive role of the distribution of Al in the framework of beta zeolites on the structure and activity of Co ion species in propane-SCR-NO _x in the presence of water vapour. <i>Journal of Catalysis</i> , 2010, 272, 44-54.	3.1	56
17	Aluminium siting in the ZSM-5 framework by combination of high resolution ²⁷ Al NMR and DFT/MM calculations. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1237-1247.	1.3	196
18	Effect of Al ^{IV} -Si ^{IV} -Al and Al ^{IV} -Si ^{IV} -Si ^{IV} -Al Pairs in the ZSM-5 Zeolite Framework on the ²⁷ Al NMR Spectra. A Combined High-Resolution ²⁷ Al NMR and DFT/MM Study. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1447-1458.	1.5	121

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19	Effect of aluminium distribution in the framework of ZSM-5 on hydrocarbon transformation. Cracking of 1-butene. <i>Journal of Catalysis</i> , 2008, 254, 180-189.	3.1	161
20	Aluminum siting in the framework of silicon rich zeolites. A ZSM-5 study. <i>Studies in Surface Science and Catalysis</i> , 2008, , 781-786.	1.5	4
21	Aluminum Siting in the ZSM-22 and Theta-1 Zeolites Revisited: A QM/MM Study. <i>Collection of Czechoslovak Chemical Communications</i> , 2008, 73, 909-920.	1.0	26
22	Analysis of Al Siting and Distribution in the Framework of ZSM-5 Zeolite. <i>Studies in Surface Science and Catalysis</i> , 2007, 172, 325-328.	1.5	1
23	Ag Active Sites, Surface intermediates and Hydrogen Function at Decane-SCR-NO _x over Ag/Alumina. <i>Studies in Surface Science and Catalysis</i> , 2007, , 501-504.	1.5	0
24	Aluminum Siting in Silicon-Rich Zeolite Frameworks: A Combined High-Resolution ²⁷ Al-...NMR Spectroscopy and Quantum Mechanics/Molecular Mechanics Study of ZSM-5. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7286-7289.	7.2	234
25	Kinetic experiments and modeling of NO oxidation and SCR of NO _x with decane over Cu- and Fe-MFI catalysts. <i>Applied Catalysis B: Environmental</i> , 2007, 70, 53-57.	10.8	26
26	Nature of active sites in decane-SCR-NO _x and NO decomposition over Cu-ZSM-5 zeolites. <i>Applied Catalysis A: General</i> , 2006, 307, 156-164.	2.2	31
27	Effect of FeH-zeolite structure and Al-Lewis sites on N ₂ O decomposition and NO/NO ₂ -assisted reaction. <i>Journal of Catalysis</i> , 2006, 238, 293-300.	3.1	58
28	Analysis of the State and Size of Silver on Alumina in Effective Removal of NO _x from Oxygen Rich Exhaust Gas. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1076-1083.	0.9	4
29	Analysis of Fe species in zeolites by UV-vis-NIR, IR spectra and voltammetry. Effect of preparation, Fe loading and zeolite type. <i>Microporous and Mesoporous Materials</i> , 2005, 80, 279-289.	2.2	130
30	Enhancement of decane-SCR-NO over Ag/alumina by hydrogen. Reaction kinetics and in situ FTIR and UV-vis study. <i>Journal of Catalysis</i> , 2005, 232, 302-317.	3.1	196
31	An in situ UV-vis and FTIR spectroscopy study of the effect of H and CO during the selective catalytic reduction of nitrogen oxides over a silver alumina catalyst. <i>Journal of Catalysis</i> , 2005, 235, 195-200.	3.1	86
32	Cu-ZSM-5 zeolite highly active in reduction of NO with decane. <i>Applied Catalysis B: Environmental</i> , 2005, 60, 147-153.	10.8	30
33	Cu-ZSM-5 zeolite highly active in reduction of NO with decane under water vapor presence. <i>Applied Catalysis B: Environmental</i> , 2005, 60, 201-210.	10.8	43
34	Cracking of pentenes to C ₂ -C ₄ light olefins over zeolites and zeotypes. <i>Applied Catalysis A: General</i> , 2005, 287, 203-213.	2.2	132
35	Oxidation of propane with oxygen, nitrous oxide and oxygen/nitrous oxide mixture over Co- and Fe-zeolites. <i>Catalysis Today</i> , 2005, 100, 315-319.	2.2	11
36	Occurrence of Fe species in Fe-zeolites active in propane oxidation with N ₂ O to propene and propanal. <i>Studies in Surface Science and Catalysis</i> , 2005, 158, 1977-1984.	1.5	3

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37	Kinetic Experiments and Modeling of a Complex DeNO _x System: A Decane Selective Catalytic Reduction of NO _x in the Gas Phase and over an Fe-MFI Type Zeolite Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 4523-4533.	1.8	6
38	Selective catalytic reduction of NO _x by hydrocarbons enhanced by hydrogen peroxide over silver/alumina catalysts. <i>Chemical Communications</i> , 2005, , 4810.	2.2	22
39	Co-beta zeolite highly active in propane SCR-NO _x in the presence of water vapor: effect of zeolite preparation and Al distribution in the framework. <i>Journal of Catalysis</i> , 2004, 227, 352-366.	3.1	82
40	Structural Analysis of Potential Active Sites in Metallo-Zeolites for Selective Catalytic Reduction of NO _x . An Attempt for the Structure Versus Activity Relationship. <i>Topics in Catalysis</i> , 2004, 28, 131-140.	1.3	48
41	Preparation and Characterisation of Ag/Alumina Catalysts for the Removal of NO _x Emissions Under Oxygen Rich Conditions. <i>Topics in Catalysis</i> , 2004, 30/31, 91-95.	1.3	44
42	NO Oxidation Kinetics on Iron Zeolites: Influence of Framework Type and Iron Speciation. <i>Topics in Catalysis</i> , 2004, 30/31, 333-339.	1.3	20
43	Oxidation of propane with oxygen and/or nitrous oxide over Fe-ZSM-5 with low iron concentrations. <i>Applied Catalysis A: General</i> , 2004, 264, 13-22.	2.2	66
44	Redox catalysis over metallo-zeolites. <i>Applied Catalysis B: Environmental</i> , 2003, 41, 97-114.	10.8	105
45	Acid-Catalyzed Synthesis of Mono- and Dialkyl Benzenes over Zeolites: Active Sites, Zeolite Topology, and Reaction Mechanisms. <i>ChemInform</i> , 2003, 34, no.	0.1	0
46	Acidic and catalytic properties of Mo/MCM-22 in methane aromatization: an FTIR study. <i>Applied Catalysis A: General</i> , 2003, 253, 271-282.	2.2	36
47	Contribution of Fe and Protonic Sites in Calcined and Steamed ZSM-5 Zeolites to Oxidation of Benzene with N ₂ O to Phenol and Selective Catalytic Reduction of NO with Propane to Nitrogen. <i>Collection of Czechoslovak Chemical Communications</i> , 2003, 68, 1805-1818.	1.0	5
48	On the necessity of a basic revision of the redox properties of H-zeolites. <i>Studies in Surface Science and Catalysis</i> , 2002, 142, 533-540.	1.5	14
49	The effect of dealumination on the Al distribution in pentasil ring zeolites. <i>Studies in Surface Science and Catalysis</i> , 2002, 142, 1817-1824.	1.5	4
50	Bonding of Co Ions in ZSM-5, Ferrierite, and Mordenite: An X-ray Absorption, UV-Vis, and IR Study. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2240-2248.	1.2	79
51	Co ²⁺ ions as probes of Al distribution in the framework of zeolites. ZSM-5 study. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 5406-5413.	1.3	153
52	ACID-CATALYZED SYNTHESIS OF MONO- AND DIALKYL BENZENES OVER ZEOLITES: ACTIVE SITES, ZEOLITE TOPOLOGY, AND REACTION MECHANISMS. <i>Catalysis Reviews - Science and Engineering</i> , 2002, 44, 375-421.	5.7	354
53	Siting and Distribution of the Co Ions in Beta Zeolite: A UV-Vis-NIR and FTIR Study. <i>Journal of Catalysis</i> , 2002, 211, 198-207.	3.1	97
54	Analysis of the structural parameters controlling the temperature window of the process of SCR-NO by low paraffins over metal-exchanged zeolites. <i>Catalysis Today</i> , 2002, 75, 347-351.	2.2	30

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55	Oxidative dehydrogenation and ammoxidation of ethane and propane over pentasil ring Co-zeolites. <i>Applied Catalysis A: General</i> , 2002, 235, 181-191.	2.2	67
56	Structure of Al ^{IV} Lewis Site in Beta Zeolite Active in the Meerwein-Ponndorf-Verley Reduction of Ketone to Alcohol. <i>Journal of Catalysis</i> , 2002, 210, 171-182.	3.1	59
57	Nature of Active Sites in the Oxidation of Benzene to Phenol with NO over H ⁺ ZSM-5 with Low Fe Concentrations. <i>Journal of Catalysis</i> , 2002, 211, 109-118.	3.1	87
58	Title is missing!. <i>Topics in Catalysis</i> , 2002, 18, 283-290.	1.3	31
59	Al distribution in ZSM-5 zeolites: an experimental study. <i>Chemical Communications</i> , 2001, , 970-971.	2.2	79
60	Effect of Metal Coordination on the Charge Distribution over the Cation Binding Sites of Zeolites. A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2001, 105, 8285-8290.	1.2	50
61	Quantitative analysis of aluminium and iron in the framework of zeolites. <i>Microporous and Mesoporous Materials</i> , 2001, 42, 97-102.	2.2	26
62	Exchange of Co(II) ions in H-BEA zeolites: identification of aluminum pairs in the zeolite framework. <i>Microporous and Mesoporous Materials</i> , 2001, 46, 265-275.	2.2	64
63	Catalytic Activity of Cu-Beta Zeolite in NO Decomposition: Effect of Copper and Aluminium Distribution. <i>Journal of Catalysis</i> , 2001, 200, 160-170.	3.1	29
64	Reducibility and oxidation activity of Cu ions in zeolites. <i>Applied Catalysis B: Environmental</i> , 2001, 31, 13-25.	10.8	151
65	Single Metal Ions in Host Zeolite Matrices. <i>Structure-Activity-Selectivity-Relationships.</i> , 2001, , 31-53.		11
66	Exafs Study of Fe/ZSM-5 Prepared by Chemical Vapour Deposition and Co/FER, MOR, MFI Prepared by Ion Exchange. , 2001, , 85-94.		1
67	Kinetics of Oxidative Dehydrogenation of Isobutyric Acid Over K ₂ H ₂ P ₂ O ₇ Catalyst. <i>Collection of Czechoslovak Chemical Communications</i> , 2001, 66, 575-587.	1.0	0
68	Experimental and theoretical description of transition metal ion structures in zeolites relevant to deNO _x catalysis. <i>Studies in Surface Science and Catalysis</i> , 2000, 130, 1463-1468.	1.5	12
69	Co ²⁺ ion siting in pentasil-containing zeolites, part 3.. <i>Microporous and Mesoporous Materials</i> , 2000, 35-36, 483-494.	2.2	213
70	Coordination and properties of cobalt in the molecular sieves CoAPO-5 and -11. <i>Microporous and Mesoporous Materials</i> , 2000, 37, 117-127.	2.2	59
71	Activity of Co Ion Sites in ZSM-5, Ferrierite, and Mordenite in Selective Catalytic Reduction of NO with Methane. <i>Journal of Catalysis</i> , 2000, 194, 318-329.	3.1	149
72	Structure, Distribution, and Properties of Co Ions in Ferrierite Revealed by FTIR, UV-Vis, and EXAFS. <i>Journal of Catalysis</i> , 2000, 194, 330-342.	3.1	81

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73	Extent of monomolecular and bimolecular mechanism in n-butene skeletal isomerization to isobutene over molecular sieves. <i>Applied Catalysis A: General</i> , 1999, 179, 217-222.	2.2	53
74	Effect of Broensted and Lewis sites in ferrierites on skeletal isomerization of n-butenes. <i>Applied Catalysis A: General</i> , 1999, 182, 297-308.	2.2	82
75	Co ²⁺ ion siting in pentasil-containing zeolites. <i>Microporous and Mesoporous Materials</i> , 1999, 31, 75-87.	2.2	111
76	Siting of the Cu ⁺ ions in dehydrated ion exchanged synthetic and natural chabasites: a Cu ⁺ photoluminescence study. <i>Microporous and Mesoporous Materials</i> , 1999, 32, 63-74.	2.2	43
77	Metal ligand complexes in CoH ⁺ BEA relevant to ethane ammoxidation to acetonitrile: an FTIR study. <i>Applied Catalysis A: General</i> , 1999, 188, 175-186.	2.2	37
78	Geometry of the Cu ⁺ 540 nm luminescence centres in zeolites. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 629-637.	1.3	81
79	Co ²⁺ Ion Siting in Pentasil-Containing Zeolites. I. Co ²⁺ Ion Sites and Their Occupation in Mordenite. A Vis ⁺ NIR Diffuse Reflectance Spectroscopy Study. <i>Journal of Physical Chemistry B</i> , 1999, 103, 1462-1476.	1.2	177
80	Catalytic activity of Cu-MeAlPO-11 in NO decomposition. <i>Applied Catalysis B: Environmental</i> , 1998, 15, 233-240.	10.8	32
81	State and coordination of metal ions in high silica zeolites Incorporation, development and rearrangement during preparation and catalysis. <i>Microporous and Mesoporous Materials</i> , 1998, 21, 525-532.	2.2	91
82	Determination and properties of acid sites in H-ferrierite. <i>Microporous and Mesoporous Materials</i> , 1998, 24, 223-233.	2.2	189
83	Monitoring of skeletal T ⁺ O ⁺ T vibrations of metal ion exchanged zeolites. <i>Microporous and Mesoporous Materials</i> , 1998, 25, 225-228.	2.2	34
84	Skeletal T ⁺ O ⁺ T Vibrations as a Tool for Characterization of Divalent Cation Complexation in Ferrierite. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1077-1085.	1.2	102
85	Multinuclear MQMAS NMR Study of NH ₄ /Na-Ferrierites. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1372-1378.	1.2	72
86	Theoretical Model of the n-Propylbenzene Formation in the Benzene Isopropylation over Zeolites. An Anti-Markovnikov-Type Proton Addition Promoted by the Steric Effect of MFI and MEL Zeolite Channels. <i>Journal of Physical Chemistry B</i> , 1998, 102, 7169-7175.	1.2	15
87	Siting and Reactivity of the Co Ions in Ferrierite in Selective Catalytic Reduction of NO with CH ₄ . <i>Collection of Czechoslovak Chemical Communications</i> , 1998, 63, 1781-1792.	1.0	11
88	The Effect of Acid Sites in Skeletal Isomerization of N-Butenes over Ferrierites and Coalpo-11. , 1998, , 391-396.		1
89	Kinetic and Theoretical Study of the Effect of Molecular Sieve Structure on the Selectivity to Propylbenzenes in Alkylation of Benzene with Isopropyl Alcohol. <i>Collection of Czechoslovak Chemical Communications</i> , 1998, 63, 1769-1780.	1.0	7
90	Zeolite Silylation for the Enhancement of para-Selectivity in Toluene Alkylation with Ethylene. <i>Collection of Czechoslovak Chemical Communications</i> , 1997, 62, 337-346.	1.0	5

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91	Role of Hydrated Cu Ion Complexes and Aluminum Distribution in the Framework on the Cu Ion Siting in ZSM-5. <i>Journal of Physical Chemistry B</i> , 1997, 101, 10233-10240.	1.2	81
92	On the Cu Site in ZSM-5 Active in Decomposition of NO: Luminescence, FTIR Study, and Redox Properties. <i>Journal of Catalysis</i> , 1997, 169, 194-202.	3.1	136
93	Cu ion siting in high silica zeolites. Spectroscopy and redox properties. <i>Catalysis Today</i> , 1997, 38, 199-203.	2.2	39
94	Spectroscopic studies of vanadium-substituted zeolitic silicates of MFI topology. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 1067-1078.	1.7	82
95	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. <i>Zeolites</i> , 1996, 17, 265-271.	0.9	81
96	Differences in the structure of copper active sites for decomposition and selective reduction of nitric oxide with hydrocarbons and ammonia. <i>Catalysis Today</i> , 1996, 29, 149-153.	2.2	28
97	Selective synthesis of cumene and p-cymene over Al and Fe silicates with large and medium pore structures. <i>Microporous Materials</i> , 1996, 6, 405-414.	1.6	55
98	The Effect of Acidity of Al and Fe Silicates with MFI Structure on Benzene and Toluene Alkylation with Isopropyl Alcohol. <i>Collection of Czechoslovak Chemical Communications</i> , 1996, 61, 1115-1130.	1.0	3
99	The Effect of Extra-Framework Aluminum in Dealuminated ZSM-5 Zeolites on the Transformation of Aromatic Hydrocarbons. <i>Collection of Czechoslovak Chemical Communications</i> , 1995, 60, 412-420.	1.0	11
100	Identification of Cu Sites in ZSM-5 Active in NO Decomposition. <i>The Journal of Physical Chemistry</i> , 1995, 99, 1065-1067.	2.9	105
101	Coordination of Cu Ions in High-Silica Zeolite Matrixes. Cu ⁺ Photoluminescence, IR of NO Adsorbed on Cu ²⁺ , and Cu ²⁺ ESR Study. <i>The Journal of Physical Chemistry</i> , 1995, 99, 16327-16337.	2.9	254
102	Factors controlling iso-/n- and para-selectivity in the alkylation of toluene with isopropanol on molecular sieves. <i>Applied Catalysis A: General</i> , 1994, 108, 187-204.	2.2	52
103	The effect of Al, Fe, and in substitution in the MFI silicate structure on the aromatic hydrocarbon transformation: Si ⁱⁱ -OH ⁱ -M site strength. <i>Zeolites</i> , 1994, 14, 147-153.	0.9	60
104	Mechanism of n-Propyltoluene Formation in C3 Alkylation of Toluene: The Effect of Zeolite Structural Type. <i>Journal of Catalysis</i> , 1994, 146, 523-529.	3.1	65
105	Siting and Redox Behavior of Cu Ions in CuH-ZSM-5 Zeolites. Cu ⁺ Photoluminescence Study. <i>The Journal of Physical Chemistry</i> , 1994, 98, 5721-5727.	2.9	138
106	Effect of water vapour and ammonia on the solid-solid interaction of Cu oxide with Y-type zeolite: preparation of catalyst for reduction of nitric oxide with ammonia at low temperature.. <i>Applied Catalysis A: General</i> , 1993, 103, 269-280.	2.2	35
107	Isomorphous Substitution of Si for Al, Ga, Fe, In and B in Molecular Sieves of MFI Structure. A Quantum Chemical, Ammonia Desorption and Catalytic Activity Study of Framework Si-OH-M Acid Site Strength. <i>Collection of Czechoslovak Chemical Communications</i> , 1993, 58, 2474-2488.	1.0	17
108	High-temperature interaction of vanadium pentoxide with H-ZSM-5 zeolite: ESR and IR study. <i>The Journal of Physical Chemistry</i> , 1992, 96, 1805-1809.	2.9	53

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109	High-temperature interaction of solid Cu chlorides and Cu oxides in mixtures with H-forms of ZSM-5 and Y zeolites. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992, 88, 1345-1351.	1.7	64
110	A comparison of the ethylation of ethylbenzene and toluene on acid, cationic and silylated ZSM-5 zeolites. <i>Catalysis Letters</i> , 1992, 16, 421-429.	1.4	44
111	Structure and Shape-Selective Properties of MFI Type Ferrisilicates. A Comparison with Aluminosilicate Analogues. <i>Collection of Czechoslovak Chemical Communications</i> , 1992, 57, 799-808.	1.0	7
112	The Influence of Cations on the Alkylation of Toluene with Ethylene over Modified ZSM-5 Zeolites. <i>Studies in Surface Science and Catalysis</i> , 1991, 65, 387-395.	1.5	5
113	Alkylation of toluene with ethene over H-ZSM-5 zeolites. <i>Applied Catalysis A: General</i> , 1991, 79, 215-226.	2.2	31
114	Esca Study of Incorporation of Copper into Y Zeolite. <i>Studies in Surface Science and Catalysis</i> , 1991, 69, 269-276.	1.5	11
115	Solid-state incorporation of Mn ²⁺ ions in H-ZSM-5 zeolite. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990, 86, 3033-3037.	1.7	44
116	Structure of defects in ¹³ C-irradiated ZSM-5 and Y zeolites: an e.s.r. study. <i>Zeolites</i> , 1988, 8, 117-121.	0.9	15
117	Factors influencing deactivation of zeolites in methanol transformation. <i>Catalysis Today</i> , 1988, 3, 373-378.	2.2	4
118	Spectroscopic Study of the Vanadium-Phosphate Catalyst Used in the Selective Oxidation of n-Butane to Maleic Anhydride. <i>Applied Catalysis</i> , 1988, 36, 119-125.	1.1	5
119	Determination of the number and acid strength of acid sites in zeolites by ammonia adsorption. <i>Applied Catalysis</i> , 1988, 42, 239-246.	1.1	127
120	D ₂ -H ₂ equilibration over ¹³ C-irradiated zeolites. <i>Zeolites</i> , 1987, 7, 490-492.	0.9	1
121	Activation of the carbon-halogen bond in polyhalomethanes by copper(I) complexes. <i>Journal of Molecular Catalysis</i> , 1987, 42, 51-55.	1.2	18
122	Effect of hydrothermal treatment on the properties of Fe(III)NH ₄ -Y zeolites. <i>Zeolites</i> , 1985, 5, 21-25.	0.9	11
123	Equilibrium data for the transformation of alcohols and acetylene into hydrocarbons. <i>Applied Catalysis</i> , 1985, 16, 389-400.	1.1	3
124	Influence of Mo ions and OH groups on l-butene isomerization. <i>Reaction Kinetics and Catalysis Letters</i> , 1984, 25, 59-63.	0.6	1
125	Chromium ions in zeolites. Part 4. X-ray photoelectron spectroscopic study of chromium valence states in the surface layers of CrY zeolites. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1984, 80, 2639.	1.0	37
126	Chromium ions within zeolites. Part 2. A quantum-chemical study of the properties of chromium ions in faujasites. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1983, 79, 1585.	1.0	7

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127	Chromium ions within zeolites. Part 3. "The influence of the valence state of chromium on the catalytic activity of Cr zeolites in ethylene polymerization. Journal of the Chemical Society Faraday Transactions I, 1983, 79, 1591.	1.0	9
128	Chromium ions within zeolites. Part 1. "Infrared, electron spin resonance and temperature-programmed reduction studies of the valence states of chromium ions. Journal of the Chemical Society Faraday Transactions I, 1983, 79, 1573.	1.0	17
129	Quantum chemical study of the stabilization process of faujasites. Reaction Kinetics and Catalysis Letters, 1982, 18, 51-53.	0.6	8
130	Modification of Fe species in FeNaY zeolite by NaCl treatment. Reaction Kinetics and Catalysis Letters, 1982, 21, 273-276.	0.6	0
131	Properties of different Fe (III) species introduced into NH ₄ -Y zeolites. Zeolites, 1982, 2, 17-22.	0.9	25
132	Fe ions in the cationic sites and in the skeleton of faujasites. A quantum chemical study. Zeolites, 1982, 2, 252-256.	0.9	13
133	X-ray photoelectron spectroscopic study of FeHNaY zeolites. Journal of the Chemical Society Faraday Transactions I, 1981, 77, 1179.	1.0	15
134	Quantum-chemical study of the physical characteristics of Al ³⁺ , AlOH ²⁺ , and Al(OH) ₂ ⁺ zeolites. The Journal of Physical Chemistry, 1981, 85, 1951-1956.	2.9	41
135	Redox behaviour of Fe ³⁺ impurities in Y zeolites. E.s.r. study. Zeolites, 1981, 1, 181-185.	0.9	54
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