Andreas Jentys

List of Publications by Year
in descending order

195 papers	9,114 citations	41627 51 h-index	58552 86 g-index
205 all docs	205 docs citations	205 times ranked	9714 citing authors

#	Article	IF	Citations
1	Di- and Tetrameric Molybdenum Sulfide Clusters Activate and Stabilize Dihydrogen as Hydrides. Jacs Au, 2022, 2, 613-622.	3.6	0
2	Speciation of Cu-Oxo Clusters in Ferrierite for Selective Oxidation of Methane to Methanol. Chemistry of Materials, 2022, 34, 4355-4363.	3.2	11
3	Zeoliteâ€Stabilized Diâ€•and Tetranuclear Molybdenum Sulfide Clusters Form Stable Catalytic Hydrogenation Sites. Angewandte Chemie, 2021, 133, 9387-9391.	1.6	0
4	Zeoliteâ€Stabilized Diâ€•and Tetranuclear Molybdenum Sulfide Clusters Form Stable Catalytic Hydrogenation Sites. Angewandte Chemie - International Edition, 2021, 60, 9301-9305.	7.2	10
5	Ni/CeO2 promoted Ru and Pt supported on FeCrAl gauze for cycling methane catalytic partial oxidationâ€"CPOX. Applied Catalysis B: Environmental, 2021, 286, 119849.	10.8	15
6	Activity of Cuâ€"Alâ€"Oxo Extra-Framework Clusters for Selective Methane Oxidation on Cu-Exchanged Zeolites. Jacs Au, 2021, 1, 1412-1421.	3.6	21
7	Conversion of CO2 to methanol over bifunctional basic-metallic catalysts. Catalysis Communications, 2021, 159, 106347.	1.6	10
8	Laboratory-scale in situ X-ray absorption spectroscopy of a palladium catalyst on a compact inverse-Compton scattering X-ray beamline. Journal of Analytical Atomic Spectrometry, 2021, 36, 2649-2659.	1.6	4
9	Critical role of solvent-modulated hydrogen-binding strength in the catalytic hydrogenation of benzaldehyde on palladium. Nature Catalysis, 2021, 4, 976-985.	16.1	49
10	On the Mechanism of Catalytic Decarboxylation of Carboxylic Acids on Carbon-Supported Palladium Hydride. ACS Catalysis, 2021, 11, 14625-14634.	5.5	11
11	Hard X-ray-based techniques for structural investigations of CO₂ methanation catalysts prepared by MOF decomposition. Nanoscale, 2020, 12, 15800-15813.	2.8	19
12	On the Promoting Effects of Te and Nb in the Activity and Selectivity of M1 MoV-Oxides for Ethane Oxidative Dehydrogenation. Topics in Catalysis, 2020, 63, 1754-1764.	1.3	6
13	Surface Effects Determining Transport in Binary Xylene Mixtures. Journal of Physical Chemistry C, 2020, 124, 26814-26820.	1.5	2
14	Enhancing hydrogenation activity of Ni-Mo sulfide hydrodesulfurization catalysts. Science Advances, 2020, 6, eaax5331.	4.7	39
15	Importance of Methane Chemical Potential for Its Conversion to Methanol on Cuâ€exchanged Mordenite. Chemistry - A European Journal, 2020, 26, 7515-7515.	1.7	3
16	Influence of Acid Sites on Xylene Transport in MFI Type Zeolites. Journal of Physical Chemistry C, 2020, 124, 4134-4140.	1.5	3
17	Importance of Methane Chemical Potential for Its Conversion to Methanol on Cuâ€Exchanged Mordenite. Chemistry - A European Journal, 2020, 26, 7563-7567.	1.7	31
18	Development of photochemical and electrochemical cells for operando X-ray absorption spectroscopy during photocatalytic and electrocatalytic reactions. Physical Chemistry Chemical Physics, 2020, 22, 18891-18901.	1.3	6

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19	Formation of Active Cu-oxo Clusters for Methane Oxidation in Cu-Exchanged Mordenite. Journal of Physical Chemistry C, 2019, 123, 8759-8769.	1.5	60
20	Structure Sensitivity in Hydrogenation Reactions on Pt/C in Aqueousâ€phase. ChemCatChem, 2019, 11, 575-582.	1.8	47
21	Understanding Elementary Steps of Transport of Xylene Mixtures in ZSM-5 Zeolites. Journal of Physical Chemistry C, 2019, 123, 8092-8100.	1.5	13
22	Dimerization of Linear Butenes on Zeolite-Supported Ni²⁺. ACS Catalysis, 2019, 9, 315-324.	5.5	50
23	Kinetic Coupling of Water Splitting and Photoreforming on SrTiO₃-Based Photocatalysts. ACS Catalysis, 2018, 8, 2902-2913.	5.5	36
24	Lewisâ€“BrÃ¸nsted Acid Pairs in Ga/H-ZSM-5 To Catalyze Dehydrogenation of Light Alkanes. Journal of the American Chemical Society, 2018, 140, 4849-4859.	6.6	198
25	Overcoming the Rate-Limiting Reaction during Photoreforming of Sugar Aldoses for H₂-Generation. ACS Catalysis, 2017, 7, 3236-3244.	5.5	34
26	Design of stable Ni/ZrO2 catalysts for dry reforming of methane. Journal of Catalysis, 2017, 356, 147-156.	3.1	81
27	Towards Understanding Structureâ€“Activity Relationships of Niâ€“Moâ€“W Sulfide Hydrotreating Catalysts. ChemCatChem, 2017, 9, 629-641.	1.8	19
28	Enhanced Activity in Methane Dry Reforming by Carbon Dioxide Induced Metalâ€Oxide Interface Restructuring of Nickel/Zirconia. ChemCatChem, 2017, 9, 3809-3813.	1.8	23
29	Structural response of Ni/ZrO₂to feed modulations during CH₄reforming reactions. Journal of Physics: Conference Series, 2016, 712, 012049.	0.3	5
30	Impact of solvents and surfactants on the self-assembly of nanostructured amine functionalized silica spheres for CO2 capture. Journal of Energy Chemistry, 2016, 25, 327-335.	7.1	20
31	Effect of Location and Distribution of Al Sites in ZSM-5 on the Formation of Cu-Oxo Clusters Active for Direct Conversion of Methane to Methanol. Topics in Catalysis, 2016, 59, 1554-1563.	1.3	71
32	Interaction of alkali acetates with silica supported PdAu. Catalysis Science and Technology, 2016, 6, 7203-7211.	2.1	9
33	Role of Amine Functionality for CO₂ Chemisorption on Silica. Journal of Physical Chemistry B, 2016, 120, 1988-1995.	1.2	92
34	Impact of alkali acetate promoters on the dynamic ordering of PdAu catalysts during vinyl acetate synthesis. Journal of Catalysis, 2016, 333, 71-77.	3.1	19
35	Understanding Ni Promotion of MoS₂/Î³â€Al₂O₃ and its Implications for the Hydrogenation of Phenanthrene. ChemCatChem, 2015, 7, 4118-4130.	1.8	36
36	Distribution of Metal Cations in Niâ€Moâ€W Sulfide Catalysts. ChemCatChem, 2015, 7, 3692-3704.	1.8	17

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37	On the coke deposition in dry reforming of methane at elevated pressures. Applied Catalysis A: General, 2015, 504, 599-607.	2.2	97
38	Mechanism and Kinetics of CO₂ Adsorption on Surface Bonded Amines. Journal of Physical Chemistry C, 2015, 119, 4126-4135.	1.5	111
39	Dynamic Phase Separation in Supported Pdâ€“Au Catalysts. Journal of Physical Chemistry C, 2015, 119, 2471-2482.	1.5	8
40	Tailoring p-xylene selectivity in toluene methylation on medium pore-size zeolites. Microporous and Mesoporous Materials, 2015, 210, 52-59.	2.2	33
41	Accurate Adsorption Thermodynamics of Small Alkanes in Zeolites. Ab initio Theory and Experiment for H-Chabazite. Journal of Physical Chemistry C, 2015, 119, 6128-6137.	1.5	120
42	Single-site trinuclear copper oxygen clusters in mordenite for selective conversion of methane to methanol. Nature Communications, 2015, 6, 7546.	5.8	623
43	Tunable Water and CO₂ Sorption Properties in Isostructural Azine-Based Covalent Organic Frameworks through Polarity Engineering. Chemistry of Materials, 2015, 27, 7874-7881.	3.2	192
44	Prerequisites for kinetic modeling of TPD data of porous catalystsâ€”Exemplified by toluene/H-ZSM-5 system. Chemical Engineering Science, 2015, 137, 807-815.	1.9	11
45	Reductive deconstruction of organosolv lignin catalyzed by zeolite supported nickel nanoparticles. Green Chemistry, 2015, 17, 5079-5090.	4.6	98
46	Atomistic Engineering of Catalyst Precursors: Dynamic Reordering of PdAu Nanoparticles during Vinyl Acetate Synthesis Enhanced by Potassium Acetate. ACS Catalysis, 2015, 5, 5776-5786.	5.5	23
47	Structureâ€“Activity Relationships of Nickelâ€“Hexaaluminates in Reforming Reactions Partâ€…I: Controlling Nickel Nanoparticle Growth and Phase Formation. ChemCatChem, 2014, 6, 1438-1446.	1.8	9
48	Polymerâ€Coated PtCo Nanoparticles Deposited on Diblock Copolymer Templates: Chemical Selectivity versus Topographical Effects. ChemPhysChem, 2014, 15, 2236-2239.	1.0	8
49	Structureâ€“Activity Relationships of Nickelâ€“Hexaaluminates in Reforming Reactions Partâ€…II: Activity and Stability of Nanostructured Nickelâ€“Hexaaluminateâ€Based Catalysts in the Dry Reforming of Methane. ChemCatChem, 2014, 6, 1447-1452.	1.8	21
50	Tailoring mesoscopically structured H-ZSM5 zeolites for toluene methylation. Journal of Catalysis, 2014, 311, 271-280.	3.1	62
51	Tailoring hierarchically structured SiO₂ spheres for high pressure CO₂ adsorption. Journal of Materials Chemistry A, 2014, 2, 13624-13634.	5.2	15
52	Diffusion of Mixtures of Light Alkanes and Benzene in Nano-Sized H-ZSM5. Journal of Physical Chemistry C, 2014, 118, 8424-8434.	1.5	9
53	Î³â€Al₂O₃â€Supported and Unsupported (Ni)MoS₂ for the Hydrodenitrogenation of Quinoline in the Presence of Dibenzothiophene. ChemCatChem, 2014, 6, 485-499.	1.8	26
54	Molecular Understanding of Sorption in Mesoscale Organized Zeolites with MFI Structure. Catalysis Letters, 2013, 143, 1116-1122.	1.4	4

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55	Enhancing shape selectivity without loss of activity â€“ novel mesostructured ZSM5 catalysts for methylation of toluene to p-xylene. Chemical Communications, 2013, 49, 10584.	2.2	50
56	Characterization of Fe-Exchanged BEA Zeolite Under NH₃ Selective Catalytic Reduction Conditions. Journal of Physical Chemistry C, 2013, 117, 986-993.	1.5	38
57	Dynamic Self-Organization of Supported Pd/Au Catalysts during Vinyl Acetate Synthesis. Journal of Physical Chemistry C, 2013, 117, 8161-8169.	1.5	17
58	Methanol Usage in Toluene Methylation with Medium and Large Pore Zeolites. ACS Catalysis, 2013, 3, 817-825.	5.5	62
59	Understanding the impact of aluminum oxide binder on Ni/HZSM-5 for phenol hydrodeoxygenation. Applied Catalysis B: Environmental, 2013, 132-133, 282-292.	10.8	76
60	Tailoring silicaâ€“alumina-supported Ptâ€“Pd as poison-tolerant catalyst for aromatics hydrogenation. Journal of Catalysis, 2013, 304, 135-148.	3.1	31
61	On the location, strength and accessibility of BrÃ¸nsted acid sites in hierarchical ZSM-5 particles. Catalysis Today, 2012, 198, 3-11.	2.2	58
62	Unique Dynamic Changes of Fe Cationic Species under NH₃-SCR Conditions. Journal of Physical Chemistry C, 2012, 116, 5846-5856.	1.5	24
63	Support effects in the aqueous phase reforming of glycerol over supported platinum catalysts. Applied Catalysis A: General, 2012, 431-432, 113-119.	2.2	71
64	Bimetallic Ptâ€“Pd/silicaâ€“alumina hydrotreating catalysts â€“ Part I: Physicochemical characterization. Journal of Catalysis, 2012, 292, 1-12.	3.1	25
65	Bimetallic Ptâ€“Pd/silicaâ€“alumina hydrotreating catalysts. Part II: Structureâ€“activity correlations in the hydrogenation of tetralin in the presence of dibenzothiophene and quinoline. Journal of Catalysis, 2012, 292, 13-25.	3.1	29
66	Platinum Nanoparticles on Gallium Nitride Surfaces: Effect of Semiconductor Doping on Nanoparticle Reactivity. Journal of the American Chemical Society, 2012, 134, 12528-12535.	6.6	57
67	Comparison of kinetics and reaction pathways for hydrodeoxygenation of C3 alcohols on Pt/Al2O3. Catalysis Today, 2012, 183, 3-9.	2.2	78
68	Determination of the Redox Processes in FeBEA Catalysts in NH₃â^'SCR Reaction by MÃ¶ssbauer and X-ray Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2011, 2, 950-955.	2.1	25
69	Diffusion in Circularly Ordered Mesoporous Silica Fibers. Journal of Physical Chemistry C, 2011, 115, 8602-8612.	1.5	5
70	Role of the Surface Modification on the Transport of Hexane Isomers in ZSM-5. Journal of Physical Chemistry C, 2011, 115, 1171-1179.	1.5	50
71	Steaming of Zeolite BEA and Its Effect on Acidity: A Comparative NMR and IR Spectroscopic Study. Journal of Physical Chemistry C, 2011, 115, 8005-8013.	1.5	163
72	Selective liquid phase oxidation of o-xylene with gaseous oxygen by transition metal containing polysiloxane initiator/catalyst systems. Journal of Catalysis, 2011, 283, 25-33.	3.1	9

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73	The German Catalyst for Success: Weimar. ChemCatChem, 2011, 3, 1659-1660.	1.8	0
74	Co and Mn polysiloxanes as unique initiatorâ€“catalyst-systems for the selective liquid phase oxidation of o-xylene. Chemical Communications, 2011, 47, 3254.	2.2	7
75	On the Role of the Vanadium Distribution in MoVTeNbO x Mixed Oxides for the Selective Catalytic Oxidation of Propane. Topics in Catalysis, 2011, 54, 639-649.	1.3	32
76	Nanoporous Glass as a Model System for a Consistency Check of the Different Techniques of Diffusion Measurement. ChemPhysChem, 2011, 12, 1130-1134.	1.0	41
77	A comparative study of diffusion of benzene/p-xylene mixtures in MFI particles, pellets and grown membranes. Catalysis Today, 2011, 168, 147-157.	2.2	10
78	Phase formation and selective oxidation of propane over MoVTeNbOx catalysts with varying compositions. Applied Catalysis A: General, 2011, 391, 63-69.	2.2	28
79	Unraveling the Reaction Mechanism of NO_x Removal by Highly Timeâ€Resolved IR Spectroscopy. ChemCatChem, 2010, 2, 49-50.	1.8	3
80	Using Tomography for Exploring Complex Structured Emission Control Catalysts. Catalysis Letters, 2010, 134, 24-30.	1.4	4
81	Towards understanding the bifunctional hydrodeoxygenation and aqueous phase reforming of glycerol. Journal of Catalysis, 2010, 269, 411-420.	3.1	263
82	Waterâ€“gas shift catalysts based on ionic liquid mediated supported Cu nanoparticles. Journal of Catalysis, 2010, 276, 280-291.	3.1	31
83	Catalytically Active Sites of Supported Pt Catalysts for Hydrogenation of Tetralin in the Presence of Dibenzothiophene and Quinoline. Journal of Physical Chemistry C, 2010, 114, 14532-14541.	1.5	12
84	Identification of reaction intermediates during hydrogenation of CD3CN on Raney-Co. Journal of Catalysis, 2009, 263, 34-41.	3.1	39
85	Enhancement of Sorption Processes in the Zeolite Hâ€ZSM5 by Postsynthetic Surface Modification. Angewandte Chemie - International Edition, 2009, 48, 533-538.	7.2	96
86	Diffusion pathways of benzene, toluene and p-xylene in MFI. Microporous and Mesoporous Materials, 2009, 125, 3-10.	2.2	36
87	Effect of chromium migration from metallic supports on the activity of diesel exhaust catalysts. Applied Catalysis B: Environmental, 2009, 89, 123-127.	10.8	13
88	Comparison of the Transport of Aromatic Compounds in Small and Large MFI Particles. Journal of Physical Chemistry C, 2009, 113, 20435-20444.	1.5	58
89	Influence of Postsynthetic Surface Modification on Shape Selective Transport of Aromatic Molecules in HZSM-5. Journal of Physical Chemistry C, 2009, 113, 15355-15363.	1.5	34
90	Impact of supported ionic liquids on supported Pt catalysts. Green Chemistry, 2009, 11, 656.	4.6	35

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91	Surface Transport Processes and Sticking Probability of Aromatic Molecules in HZSM-5. Journal of Physical Chemistry C, 2008, 112, 2538-2544.	1.5	29
92	Catalytic Test Reactions for Probing the Acidity and Basicity of Zeolites. Molecular Sieves - Science and Technology, 2008, , 153-212.	0.2	27
93	Acidity and Basicity. Molecular Sieves - Science and Technology, 2008, , .	0.2	2
94	Experimental and theoretical investigation of the sticking probability of aromatics on HZSM-5 and SiO2. Studies in Surface Science and Catalysis, 2008, 174, 585-590.	1.5	0
95	The energetic and entropic contributions controlling the orientation of alkyl substituted aromatic molecules in the pores of MFI zeolites. Studies in Surface Science and Catalysis, 2007, 170, 926-933.	1.5	1
96	NMR Spectroscopic Techniques for Determining Acidity and Basicity. Molecular Sieves - Science and Technology, 2007, , 1-43.	0.2	10
97	Infrared and Raman Spectroscopy for Characterizing Zeolites. Studies in Surface Science and Catalysis, 2007, 168, 435-476.	1.5	60
98	Orientation of Alkyl-Substituted Aromatic Molecules during Sorption in the Pores of H/ZSM-5 Zeolites. Journal of Physical Chemistry C, 2007, 111, 3973-3980.	1.5	32
99	Acidity and Basicity of Ordered Silica-based Mesoporous Materials. Molecular Sieves - Science and Technology, 2007, , 213-267.	0.2	6
100	Kinetic Aspects of the Urea SCR Technology for Mobile Diesel Engines. Studies in Surface Science and Catalysis, 2007, 172, 509-512.	1.5	0
101	On the quantitative aspects of hydrolysis of isocyanic acid on TiO2. Catalysis Today, 2007, 127, 165-175.	2.2	23
102	Hydrogenation of tetralin on silicaâ€“alumina-supported Pt catalysts I. Physicochemical characterization of the catalytic materials. Journal of Catalysis, 2007, 251, 485-496.	3.1	69
103	Hydrogenation of tetralin on silicaâ€“alumina-supported Pt catalysts II. Influence of the support on catalytic activity. Journal of Catalysis, 2007, 251, 497-506.	3.1	43
104	Surface chemistry and kinetics of the hydrolysis of isocyanic acid on anatase. Applied Catalysis B: Environmental, 2007, 70, 91-99.	10.8	37
105	On the trapping of SOx on CaOâ€“Al2O3-based novel high capacity sorbents. Physical Chemistry Chemical Physics, 2006, 8, 1601.	1.3	17
106	Xylene isomerization with surface-modified HZSM-5 zeolite catalysts: An in situ IR study. Journal of Catalysis, 2006, 241, 304-311.	3.1	95
107	Acidity and Basicity: Determination by Adsorption Microcalorimetry. Molecular Sieves - Science and Technology, 2006, , 45-152.	0.2	36
108	SOxStorage Materials under Leanâ˜'Rich Cycling ConditionsPart II:Â Influence of Pt, H2O, and Cycling Time. Journal of Physical Chemistry B, 2006, 110, 26024-26032.	1.2	13

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109	SOxStorage Materials under Leanâ^'Rich Cycling Conditions. Part I:Â Identification of Transient Species. Journal of Physical Chemistry B, 2006, 110, 10729-10737.	1.2	16
110	On the Sticking Probability of Aromatic Molecules on Zeolites. Comment on â€œSTICKING PROBABILITY ON ZEOLITESâ€• Journal of Physical Chemistry B, 2006, 110, 17691-17693.	1.2	25
111	Spectroscopic Characterization of Cobalt-Containing Mesoporous Materials. Journal of Physical Chemistry B, 2006, 110, 5386-5394.	1.2	34
112	Energetic and entropic contributions controlling the sorption of benzene in zeolites. Microporous and Mesoporous Materials, 2006, 90, 284-292.	2.2	48
113	Improving bifunctional zeolite catalysts for alkane hydroisomerization via gas phase sulfation. Journal of Catalysis, 2006, 237, 337-348.	3.1	19
114	Characterization of acidic properties of sulfated zeolite Beta. Studies in Surface Science and Catalysis, 2005, 158, 1763-1770.	1.5	1
115	Metal organic frameworks based on Cu2+ and benzene-1,3,5-tricarboxylate as host for SO2 trapping agents. Comptes Rendus Chimie, 2005, 8, 753-763.	0.2	59
116	Methane autothermal reforming with and without ethane over mono- and bimetal catalysts prepared from hydrotalcite precursors. Journal of Catalysis, 2005, 229, 185-196.	3.1	106
117	Adsorption of SO2 on Ba impregnated metal organic framework materials. Studies in Surface Science and Catalysis, 2005, , 995-1002.	1.5	3
118	Sulfate formation on SOx trapping materials studied by Cu and S K-edge XAFS. Physical Chemistry Chemical Physics, 2005, 7, 1283.	1.3	27
119	In Situ S K-Edge X-ray Absorption Spectroscopy for Understanding and Developing SOxStorage Catalysts. Journal of Physical Chemistry B, 2005, 109, 21842-21846.	1.2	18
120	Surface Processes during Sorption of Aromatic Molecules on Medium Pore Zeolitesâ€. Journal of Physical Chemistry B, 2005, 109, 2254-2261.	1.2	56
121	Catalytic Activity of Pt and Tungsto-Phosphoric Acid Supported on MCM-41 for the Reduction of NO. , 2005, , 213-230.		0
122	Heterogeneous catalysts for hydroamination reactions: structureâ€“activity relationship. Journal of Catalysis, 2004, 221, 302-312.	3.1	84
123	Novel derivatives of MCM-36 as catalysts for the reduction of nitrogen oxides from FCC regenerator flue gas streams. Journal of Catalysis, 2004, 227, 117-129.	3.1	29
124	Inelastic Neutron Scattering of Hydrogen and Butyronitrile Adsorbed on Raney-Co Catalysts. Catalysis Letters, 2004, 97, 155-162.	1.4	23
125	Adsorption of SO2 on different metal impregnated zeolites. Studies in Surface Science and Catalysis, 2004, 154, 3003-3009.	1.5	6
126	Control of Acidâ^'Base Properties of New Nanocomposite Derivatives of MCM-36 by Mixed Oxide Pillaring. Chemistry of Materials, 2004, 16, 724-730.	3.2	53

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127	Investigation of the Adsorption of Methanol on Alkali Metal Cation Exchanged Zeolite X by Inelastic Neutron Scattering. Journal of Physical Chemistry B, 2004, 108, 7902-7910.	1.2	26
128	Generation and Characterization of Well-Defined Zn2+ Lewis Acid Sites in Ion Exchanged Zeolite BEA. Journal of Physical Chemistry B, 2004, 108, 4116-4126.	1.2	121
129	INS and IR and NMR Spectroscopic Study of C1â^'C4 Alcohols Adsorbed on Alkali Metal-Exchanged Zeolite X. Journal of Physical Chemistry B, 2004, 108, 15013-15026.	1.2	22
130	Novel Model Explaining Toluene Diffusion in HZSM-5 after Surface Modification. Journal of Physical Chemistry B, 2004, 108, 1337-1343.	1.2	42
131	Development of novel catalytic additives for the in situ reduction of NOx from fluid catalytic cracking units. Studies in Surface Science and Catalysis, 2004, , 2441-2448.	1.5	5
132	On the Nature of Nitrogen-Containing Carbonaceous Deposits on Coked Fluid Catalytic Cracking Catalysts. Industrial & Engineering Chemistry Research, 2004, 43, 2368-2375.	1.8	35
133	Elementary Reactions and Intermediate Species Formed during the Oxidative Regeneration of Spent Fluid Catalytic Cracking Catalysts. Industrial & Engineering Chemistry Research, 2004, 43, 3097-3104.	1.8	41
134	Adsorption of methanol on MCM-36 derivatives with strong acid and base sites. Studies in Surface Science and Catalysis, 2004, 154, 1598-1605.	1.5	4
135	Formation of sulfur surface species on a commercial NOx-storage reduction catalyst. Research on Chemical Intermediates, 2003, 29, 257-269.	1.3	11
136	On the Enhanced Selectivity of HZSM-5 Modified by Chemical Liquid Deposition. Topics in Catalysis, 2003, 22, 101-106.	1.3	62
137	Reduction of nitric oxide by propene and propane on Ni-exchanged mordenite. Applied Catalysis B: Environmental, 2003, 43, 105-115.	10.8	31
138	On the surface reactions during NO reduction with propene and propane on Ni-exchanged mordenite. Applied Catalysis B: Environmental, 2003, 46, 189-202.	10.8	38
139	Elementary steps of NOx adsorption and surface reaction on aÂcommercial storageâ€"reduction catalyst. Journal of Catalysis, 2003, 214, 308-316.	3.1	266
140	Structure-activity relations for Ni-containing zeolites during NO reduction I. Influence of acid sites. Journal of Catalysis, 2003, 218, 348-353.	3.1	43
141	Structure-activity relations for Ni-containing zeolites during NO reductionII. Role of the chemical state of Ni. Journal of Catalysis, 2003, 218, 375-385.	3.1	42
142	On the enhanced para-selectivity of HZSM-5 modified by antimony oxide. Journal of Catalysis, 2003, 219, 310-319.	3.1	55
143	An in situ IR study of the NOx adsorption/reduction mechanism on modified Y zeolites. Physical Chemistry Chemical Physics, 2003, 5, 1897-1905.	1.3	72
144	Kinetic processes during sorption and diffusion of aromatic molecules on medium pore zeolites studied by time resolved IR spectroscopy. Studies in Surface Science and Catalysis, 2002, 142, 1619-1626.	1.5	15

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145	Influence of Surface Modification on the Acid Site Distribution of HZSM-5. Journal of Physical Chemistry B, 2002, 106, 9552-9558.	1.2	227
146	Sulfur tolerance of Pt/mordenites for benzene hydrogenation. Catalysis Today, 2002, 73, 105-112.	2.2	58
147	Studies on the deactivation of NO storage-reduction catalysts by sulfur dioxide. Catalysis Today, 2002, 75, 413-419.	2.2	115
148	27-O-04-Dual pathways for benzene hydrogenation on Pt/mordenites: implication for sulfur tolerance. Studies in Surface Science and Catalysis, 2001, , 166.	1.5	1
149	11-P-24 - Structural properties and sieving effects of surface modified ZSM-5. Studies in Surface Science and Catalysis, 2001, , 214.	1.5	10
150	30-P-30-Reduction of nitric oxide by hydrocarbons on Ni-ion exchanged zeolites. Studies in Surface Science and Catalysis, 2001, , 328.	1.5	0
151	Structure simulation of MCM-41 type materials. Journal of Molecular Catalysis A, 2001, 166, 53-57.	4.8	39
152	Alkane conversion over Pd/SAPO molecular sieves: influence of acidity, metal concentration and structure. Catalysis Today, 2001, 65, 171-177.	2.2	40
153	Isomerization of 1-pentene over SAPO, CoAPO (AEL, AFI) molecular sieves and HZSM-5. Applied Catalysis A: General, 2001, 207, 397-405.	2.2	61
154	Sulfur-Tolerant Pt-Supported Zeolite Catalysts for Benzene Hydrogenation. Journal of Catalysis, 2001, 201, 60-69.	3.1	66
155	Sulfur-Tolerant Pt-Supported Catalysts for Benzene Hydrogenation. Journal of Catalysis, 2001, 203, 434-442.	3.1	37
156	Oxidation state of platinum clusters during the reduction of NOx with propene and propane. Catalysis Letters, 2001, 73, 67-72.	1.4	16
157	Surface species during catalytic reduction of NO by propene studied by in situ IR-spectroscopy over Pt supported on mesoporous Al2O3 with MCM-41 type structure. Applied Catalysis B: Environmental, 2001, 33, 263-274.	10.8	54
158	Comparison of impregnation, liquid- and solid-state ion exchange procedures for the incorporation of nickel in HMFI, HMOR and HBEA. Microporous and Mesoporous Materials, 2000, 39, 307-317.	2.2	33
159	Catalytic activity of Pt and tungstophosphoric acid supported on MCM-41 for the reduction of NOx in the presence of water vapor. Catalysis Today, 2000, 59, 313-321.	2.2	17
160	Oxidation state of bimetallic PdCu catalysts during liquid phase nitrate reduction. Catalysis Letters, 2000, 69, 11-16.	1.4	33
161	Hydroisomerization of Heptane Isomers over Pd/SAPO Molecular Sieves: Influence of the Acid and Metal Site Concentration and the Transport Properties on the Activity and Selectivity. Journal of Catalysis, 2000, 190, 419-432.	3.1	97
162	On the Determination of the Location of Metal Clusters Supported on Molecular Sieves by X-ray Absorption Spectroscopy. Journal of Physical Chemistry B, 2000, 104, 9411-9415.	1.2	7

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163	In Situ XANES Study of Pt/Mordenite during Benzene Hydrogenation in the Presence of Thiophene. Journal of Physical Chemistry B, 2000, 104, 11644-11649.	1.2	22
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