Maria Ziolek

List of Publications by Year
in descending order

228 papers	7,515 citations	70961 41 h-index	69108 77 g-index
234 all docs	234 docs citations	234 times ranked	6438 citing authors

#	Article	IF	Citations
1	Microwave-Assisted Base-Free Oxidation of Glucose with H2O2 on Gold- and Manganese-Containing SBA-15â€"Insight into Factors Affecting the Reaction Pathway. International Journal of Molecular Sciences, 2022, 23, 4639.	1.8	3
2	Gold based on SBA-15 supports â€" Promising catalysts in base-free glucose oxidation. Chemical Engineering Journal, 2021, 413, 127548.	6.6	22
3	The effect of the calcium dopant on the activity and selectivity of gold catalysts supported on SBA-15 and Nb-containing SBA-15 in methanol oxidation. Catalysis Science and Technology, 2021, 11, 2242-2260.	2.1	8
4	The Impact of 3-(trihydroxysilyl)-1-propanesulfonic Acid Treatment on the State of Vanadium Incorporated on SBA-15 Matrix. Catalysts, 2021, 11, 397.	1.6	0
5	Insight into Active Centers and Anti-Coke Behavior of Niobium-Containing SBA-15 for Glycerol Dehydration. Catalysts, 2021, 11, 488.	1.6	3
6	Influence of Co-Precipitation Agent on the Structure, Texture and Catalytic Activity of Au-CeO2 Catalysts in Low-Temperature Oxidation of Benzyl Alcohol. Catalysts, 2021, 11, 641.	1.6	8
7	Gold-containing Beta zeolite in base-free glucose oxidation â€" The role of Au deposition procedure and zeolite dopants. Catalysis Today, 2021, 382, 48-60.	2.2	10
8	Enhanced adsorption and degradation of methylene blue over mixed niobium-cerium oxide â€" Unraveling the synergy between Nb and Ce in advanced oxidation processes. Journal of Hazardous Materials, 2021, 415, 125665.	6.5	31
9	Modification of Gold Zeolitic Supports for Catalytic Oxidation of Glucose to Gluconic Acid. Materials, 2021, 14, 5250.	1.3	7
10	Towards Efficient Acidic Catalysts via Optimization of SO3H-Organosilane Immobilization on SBA-15 under Increased Pressure: Potential Applications in Gas and Liquid Phase Reactions. Materials, 2021, 14, 7226.	1.3	1
11	Gold-copper catalysts supported on SBA-15 with long and short channels â€" Characterization and the use in propene oxidation. Catalysis Today, 2020, 356, 155-164.	2.2	3
12	The influence of Zr presence in short channel SBA-15 on state and activity of metallic modifiers (Ag,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.2	7
13	Bimetallic gold-silver catalysts based on ZnO and Zn/SBA-15 â€" The effect of various treatments on surface and catalytic properties. Catalysis Today, 2020, 356, 110-121.	2.2	6
14	Enhancement of selectivity in methanol oxidation over copper containing SBA-15 by doping with boron species. Catalysis Today, 2020, 356, 122-131.	2.2	7
15	The effect of support properties on n-octanol oxidation performed on gold â€" silver catalysts supported on MgO, ZnO and Nb2O5. Molecular Catalysis, 2020, 482, 110674.	1.0	7
16	Lights and Shadows of Gold Introduction into Beta Zeolite. Molecules, 2020, 25, 5781.	1.7	5
17	Tris(2-Aminoethyl)Amine/Metal Oxides Hybrid Materialsâ€"Preparation, Characterization and Catalytic Application. Molecules, 2020, 25, 4689.	1.7	1
18	The impact of Ce/Nb dopant ratio on basicity of MCF modified with calcium species. Catalysis Communications, 2020, 142, 106045.	1.6	3

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19	A platinum promoted Ag/SBA-15 catalyst effective in selective oxidation of methanol â€“ design and surface characterization. RSC Advances, 2020, 10, 14570-14580.	1.7	6
20	The importance of residual water for the reactivity of MPTMS with silica on the example of SBA-15. Applied Surface Science, 2020, 513, 145802.	3.1	7
21	Tantalum vs Niobium MCF nanocatalysts in the green synthesis of chromene derivatives. Catalysis Today, 2019, 325, 47-52.	2.2	11
22	The role of gold dopant in AP-Nb/MCF and AP-MCF on the Knoevenagel condensation of ethyl cyanoacetate with benzaldehyde and 2,4-dichlorobenzaldehyde. Catalysis Today, 2019, 325, 81-88.	2.2	10
23	Ca/MCF catalysts â€” The impact of niobium and material structure on basicity. Catalysis Today, 2019, 325, 11-17.	2.2	10
24	Comparative study of acid-basic properties of MCF impregnated with niobium and cerium species. Catalysis Today, 2019, 325, 2-10.	2.2	12
25	Stability of nanostructured silver-platinum alloys. Journal of Alloys and Compounds, 2019, 770, 934-941.	2.8	16
26	MWW layered zeolites modified with niobium species - Surface and catalytic properties. Catalysis Today, 2019, 325, 89-97.	2.2	7
27	Insight into methanol photooxidation over mono- (Au, Cu) and bimetallic (AuCu) catalysts supported on niobium pentoxide â€” An operando-IR study. Applied Catalysis B: Environmental, 2019, 258, 117978.	10.8	19
28	Photo-assisted activation of H2O2 over Nb2O5 â€“ The role of active oxygen species on niobia surface in photocatalytic discoloration of Rhodamine B. Materials Research Bulletin, 2019, 118, 110530.	2.7	16
29	Impact of BrÃ¸nsted acid sites in MWW zeolites modified with cesium and amine species on Knoevenagel condensation. Microporous and Mesoporous Materials, 2019, 280, 288-296.	2.2	16
30	Silica Hosts for Acid and Basic Organosilanes: Preparation, Characterization, and Application in Catalysis. , 2019, , 27-56.		0
31	UVâ€“vis spectroscopy combined with azastilbene probe as a tool for testing basicity of mesoporous silica modified with nitrogen compounds. Applied Catalysis A: General, 2019, 570, 339-347.	2.2	3
32	Changes in bimetallic silver â€“ platinum catalysts during activation and oxidation of methanol and propene. Catalysis Today, 2019, 333, 89-96.	2.2	13
33	Formation of reactive oxygen species upon interaction of Au/ZnO with H2O2 and their activity in methylene blue degradation. Catalysis Today, 2019, 333, 54-62.	2.2	79
34	The effect of structure of mesoporous silica and niobiosilicate on incorporation and stability of modifiers introduced by the click reaction catalyzed by different copper salts. Microporous and Mesoporous Materials, 2018, 258, 41-54.	2.2	11
35	Insight into the interaction of calcium species with mesoporous silica and niobiosilica. Materials Research Bulletin, 2018, 97, 530-536.	2.7	9
36	Insight into pathways of methylene blue degradation with H2O2 over mono and bimetallic Nb, Zn oxides. Applied Catalysis B: Environmental, 2018, 224, 634-647.	10.8	89

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37	Theoretical and experimental insight into zinc loading on mesoporous silica. Microporous and Mesoporous Materials, 2018, 256, 199-205.	2.2	20
38	The role of niobium component in heterogeneous catalysts. Catalysis Today, 2017, 285, 211-225.	2.2	83
39	Formation of Ptâ€“Ag alloy on different silicas â€“ surface properties and catalytic activity in oxidation of methanol. RSC Advances, 2017, 7, 9534-9544.	1.7	23
40	Mesoporous ceriumâ€“zirconium oxides modified with gold and copper â€“ synthesis, characterization and performance in selective oxidation of glycerol. RSC Advances, 2017, 7, 7801-7819.	1.7	28
41	Development of multifunctional gold, copper, zinc, niobium containing MCF catalysts â€“ Surface properties and activity in methanol oxidation. Microporous and Mesoporous Materials, 2017, 243, 339-350.	2.2	13
42	Development of basicity in mesoporous silicas and metallosilicates. Catalysis Science and Technology, 2017, 7, 5236-5248.	2.1	27
43	Variability of surface components in gold catalysts â€“ The role of hydroxyls and state of gold on activity and selectivity of Au-Nb2O5 and Au-ZnNb2O6 in methanol oxidation. Journal of Catalysis, 2017, 354, 100-112.	3.1	32
44	Imidazole immobilization in nanopores of silicas and niobiosilicates SBA-15 and MCFâ€”A new concept towards creation of basicity. Applied Catalysis A: General, 2017, 531, 139-150.	2.2	31
45	The effect of the preparation procedure on the morphology, texture and photocatalytic properties of ZnO. Materials Research Bulletin, 2017, 85, 35-46.	2.7	30
46	Structure and Reactivity of Zeolites Containing Group Five Elements (V, Nb, Ta). Structure and Bonding, 2017, , 179-249.	1.0	4
47	EPR Study of Dealuminated HY Zeolite and Silica Containing Cu-Mn-Zn Spinels: The Effect of Support. Acta Physica Polonica A, 2017, 132, 38-44.	0.2	1
48	Mesoporous niobiosilicate NbMCF modified with alkali metals in the synthesis of chromene derivatives. Catalysis Today, 2016, 277, 133-142.	2.2	17
49	Size of Au-Nanoparticles Supported on Mesostructural Cellular Foams Studied by the Pair Distribution Function Technique. Crystal Growth and Design, 2016, 16, 5985-5993.	1.4	4
50	The Role of BrÃ¸nsted and Lewis Acid Sites in Acetalization of Glycerol over Modified Mesoporous Cellular Foams. Journal of Physical Chemistry C, 2016, 120, 16699-16711.	1.5	62
51	The effect of zinc and copper in gold catalysts supported on MCF cellular foams on surface properties and catalytic activity in methanol oxidation. Microporous and Mesoporous Materials, 2016, 232, 97-108.	2.2	14
52	Mobility of gold, copper and cerium species in Au, Cu/Ce, Zr-oxides and its impact on total oxidation of methanol. Applied Catalysis B: Environmental, 2016, 187, 328-341.	10.8	31
53	The role of metallic modifiers of SBA-15 supports for propyl-amines onÂactivity and selectivity in the Knoevenagel reactions. Microporous and Mesoporous Materials, 2016, 224, 201-207.	2.2	41
54	The role of pillaring in MCM-22 on the dispersion of noble metals and catalytic activity. Materials Research Bulletin, 2016, 76, 169-178.	2.7	6

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55	The effect of niobium and tantalum on physicochemical and catalytic properties of silver and platinum catalysts based on MCF mesoporous cellular foams. Journal of Catalysis, 2016, 336, 58-74.	3.1	17
56	Nb and Zr modified MWW zeolites â€“ characterisation and catalytic activity. RSC Advances, 2015, 5, 22326-22333.	1.7	12
57	Supported and inserted monomeric niobium oxide species on/in silica: a molecular picture. Physical Chemistry Chemical Physics, 2015, 17, 22402-22411.	1.3	44
58	Esterification processes based on functionalized mesoporous solids. Catalysis Today, 2015, 254, 104-110.	2.2	11
59	Surface properties and catalytic performance of Ptâ€“Ag supported on silica â€“ The effect of preparation methods. Applied Catalysis A: General, 2015, 504, 361-372.	2.2	15
60	Mesostructured cellular foams modified by niobium or tantalum and functionalized with (3-mercaptopropyl)trimethoxysilane â€“ Raman inspired reduction of synthesis time. Catalysis Today, 2015, 254, 111-118.	2.2	3
61	FTIR spectroscopic study of CO oxidation on bimetallic catalysts. Catalysis Today, 2015, 243, 218-227.	2.2	15
62	Search for reactive intermediates in catalytic oxidation with hydrogen peroxide over amorphous niobium(V) and tantalum(V) oxides. Applied Catalysis B: Environmental, 2015, 164, 288-296.	10.8	90
63	Relationship between basicity, reducibility and partial oxidation properties of chromium containing MCM-41. RSC Advances, 2014, 4, 62940-62946.	1.7	2
64	Surface and catalytic properties of Ce-, Zr-, Au-, Cu-modified SBA-15. Journal of Catalysis, 2014, 312, 249-262.	3.1	38
65	Au containing mesostructured cellular foams NbMCF and ZrMCF in selective oxidation of methanol to formaldehyde. Journal of Molecular Catalysis A, 2014, 390, 114-124.	4.8	25
66	Real-Time Raman Monitoring and Control of the Catalytic Acetalization of Glycerol with Acetone over Modified Mesoporous Cellular Foams. Journal of Physical Chemistry C, 2014, 118, 10780-10791.	1.5	35
67	Bimetallic AgCu/SBA-15 System: The Effect of Metal Loading and Treatment of Catalyst on Surface Properties. Journal of Physical Chemistry C, 2014, 118, 12796-12810.	1.5	49
68	Comparative study of MCM-22 and MCM-56 modified with molybdenum â€“ Impact of the metal on acidic and oxidative properties of zeolites. Microporous and Mesoporous Materials, 2014, 197, 185-193.	2.2	5
69	Comparative study of Zr, Nb, Mo containing SBA-15 grafted with amino-organosilanes. Microporous and Mesoporous Materials, 2014, 196, 243-253.	2.2	18
70	The production of biofuels additives on sulphonated MCF materials modified with Nb and Taâ€”Towards efficient solid catalysts of esterification. Applied Catalysis A: General, 2013, 467, 325-334.	2.2	25
71	New phospho-silicate and niobo-phospho-silicate MCF materials modified with MPTMS â€“ Structure, surface and catalytic properties. Microporous and Mesoporous Materials, 2013, 181, 88-98.	2.2	11
72	Amino-grafted mesoporous materials based on MCF structure involved in the quinoline synthesis. Mechanistic insights. Journal of Molecular Catalysis A, 2013, 378, 38-46.	4.8	31

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73	Zeolite MCM-22 Modified with Au and Cu for Catalytic Total Oxidation of Methanol and Carbon Monoxide. Journal of Physical Chemistry C, 2013, 117, 2147-2159.	1.5	39
74	The ability of Nb2O5 and Ta2O5 to generate active oxygen in contact with hydrogen peroxide. Catalysis Communications, 2013, 37, 85-91.	1.6	56
75	Bifunctional mesoporous MCF materials as catalysts in the FriedlÃnder condensation. Catalysis Today, 2013, 218-219, 70-75.	2.2	23
76	The effect of alkali metal on the surface properties of potassium doped Au-Beta zeolites. Materials Research Bulletin, 2013, 48, 795-801.	2.7	2
77	NO adsorption combined with FTIR spectroscopy as a useful tool for characterization of niobium species in crystalline and amorphous molecular sieves. Catalysis Today, 2012, 192, 149-153.	2.2	12
78	The role of Nb in the formation of sulphonic species in SBA-15 and MCF functionalised with MPTMS. Catalysis Today, 2012, 192, 130-135.	2.2	19
79	Niobiosilica Materials as Attractive Supports for Sbâ€“Vâ€“O Catalysts. Topics in Catalysis, 2012, 55, 837-845.	1.3	1
80	Probing Acidâ€“Base Properties in Group V Aluminum Containing Zeolites. Journal of Physical Chemistry C, 2012, 116, 2462-2468.	1.5	20
81	Efficient isomerization of safrole by amino-grafted MCM-41 materials as basic catalysts. Catalysis Today, 2012, 179, 159-163.	2.2	13
82	CuxCryOz mixed oxide as a promising support for gold â€“ The effect of Au loading method on the effectiveness in oxidation reactions. Catalysis Today, 2012, 187, 48-55.	2.2	16
83	Development of niobium containing acidic catalysts for glycerol esterification. Catalysis Today, 2012, 187, 129-134.	2.2	55
84	Catalytic properties of new ternary Nb-Sb-V oxide â€“ A comparative study with mechanical mixture of single oxides and binary systems. Catalysis Today, 2012, 187, 159-167.	2.2	7
85	Spectroscopic surface characterization of MoVNbTe nanostructured catalysts for the partial oxidation of propane. Catalysis Today, 2012, 187, 195-200.	2.2	16
86	Organosilanes affecting the structure and formation of mesoporous cellular foams. Microporous and Mesoporous Materials, 2012, 155, 143-152.	2.2	26
87	Methanol oxidation on VSiBEA zeolites: Influence of V content on the catalytic properties. Journal of Catalysis, 2011, 281, 169-176.	3.1	53
88	Sb, V, Nb containing catalysts in low temperature oxidation of methanol â€“ The effect of preparation method on activity and selectivity. Journal of Catalysis, 2011, 284, 109-123.	3.1	14
89	Comparison of competition between T=O and Tâ€“OH groups in vanadium, niobium, tantalum BEA zeolite and SOD based zeolites. Chemical Physics Letters, 2011, 514, 70-73.	1.2	19
90	NO and C3H6 adsorption and coadsorption in oxygen excessâ€”A comparative study of different type zeolites modified with gold. Catalysis Today, 2011, 176, 393-398.	2.2	18

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91	Vanadium and antimony supported NbSiOxâ€"Characterisation and catalytic properties in methanol oxidation. Catalysis Today, 2011, 169, 242-248.	2.2	6
92	Catalytic performance of niobium species in crystalline and amorphous solidsâ€"Gas and liquid phase oxidation. Applied Catalysis A: General, 2011, 391, 194-204.	2.2	62
93	Catalytic properties of Cu/SBA-3 in oxidative dehydrogenation of methanolâ€"The effect of the support composition. Applied Catalysis A: General, 2011, 393, 215-224.	2.2	29
94	New catalysts for biodiesel additives production. Applied Catalysis B: Environmental, 2011, 103, 404-412.	10.8	48
95	Influence of preparation conditions on properties of gold loaded on the supports containing group five elements. Studies in Surface Science and Catalysis, 2010, 175, 333-337.	1.5	0
96	VSbOx phases formed on MCM-41 supports. Studies in Surface Science and Catalysis, 2010, 175, 381-384.	1.5	0
97	Isomerization of Eugenol Under Ultrasound Activation Catalyzed by Alkali Modified Mesoporous NbMCM-41. Topics in Catalysis, 2010, 53, 179-186.	1.3	15
98	Characterization of alumina- and niobia-supported gold catalysts used for oxidation of glycerol. Applied Catalysis A: General, 2010, 384, 70-77.	2.2	42
99	Gold and goldâ€"iron modified zeolitesâ€"Towards the adsorptive deodourisation. Journal of Hazardous Materials, 2010, 179, 444-452.	6.5	5
100	Catalytic upgrading of woody biomass derived pyrolysis vapours over iron modified zeolites in a dual-fluidized bed reactor. Fuel, 2010, 89, 1992-2000.	3.4	139
101	Designing new Vâ€"Sbâ€"O based catalysts on mesoporous supports for nitriles production. Applied Catalysis A: General, 2010, 380, 95-104.	2.2	13
102	Novel mesoporous zirconia-based catalysts for WGS reaction. Applied Catalysis B: Environmental, 2010, 97, 49-56.	10.8	27
103	Mesoâ€"macroporous zirconia modified with niobia as support for platinumâ€"Acidic and basic properties. Catalysis Today, 2010, 152, 33-41.	2.2	34
104	Glycerol oxidation on gold catalysts supported on group five metal oxidesâ€"A comparative study with other metal oxides and carbon based catalysts. Catalysis Today, 2010, 158, 121-129.	2.2	78
105	Amino-grafted metallosilicate MCM-41 materials as basic catalysts for eco-friendly processes. Catalysis Today, 2010, 152, 119-125.	2.2	42
106	Surface active sites in alumina-supported MoVNbTeO oxide catalysts. Catalysis Today, 2010, 158, 139-145.	2.2	20
107	New Nb and Taâ€"FAU zeolitesâ€"Direct synthesis, characterisation and surface properties. Catalysis Today, 2010, 158, 170-177.	2.2	39
108	The Formation of Gold Clusters Supported on Mesoporous Silica Material Surfaces: A Molecular Picture. Journal of Physical Chemistry C, 2010, 114, 9002-9007.	1.5	27

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109	Incorporation of group five elements into the faujasite structure. Studies in Surface Science and Catalysis, 2010, , 445-448.	1.5	7
110	Gold-vanadium-niobium catalysts in environmental protectionâ€"adsorption and interaction of NO, C3H6 andÂO2â€"FT-IR study. Adsorption, 2009, 15, 145-155.	1.4	4
111	The radical species and impurities present in mesoporous silicas as oxidation active centres. Microporous and Mesoporous Materials, 2009, 120, 214-220.	2.2	23
112	The effect of zirconium and niobium oxidic species on platinum dispersion in 1%Pt/Nb,Zr-containing MCM-41. Catalysis Today, 2009, 142, 298-302.	2.2	5
113	Catalytic properties of alkali metal-modified oxide supports for the Knoevenagel condensation: Kinetic aspects. Catalysis Today, 2009, 142, 278-282.	2.2	61
114	The possible use of alkali metal modified NbMCM-41 in the synthesis of 1,4-dihydropyridine intermediates. Catalysis Today, 2009, 142, 303-307.	2.2	25
115	Sb-V-Ox catalystsâ€"Role of chemical composition of MCM-41 supports in physicochemical properties. Catalysis Today, 2009, 142, 175-180.	2.2	12
116	Sonocatalysis in solvent-free conditions: An efficient eco-friendly methodology to prepare N-alkyl imidazoles using amino-grafted NbMCM-41. Catalysis Today, 2009, 142, 283-287.	2.2	24
117	Various hexagonally ordered mesoporous silicas as supports for chromium speciesâ€"The effect of support on surface properties. Applied Catalysis A: General, 2009, 365, 135-140.	2.2	9
118	Gold Grafted to Mesoporous Silica Surfaces, a Molecular Picture. Journal of Physical Chemistry C, 2009, 113, 13855-13859.	1.5	31
119	Niobium rich SBA-15 materials â€“ preparation, characterisation and catalytic activity. Microporous and Mesoporous Materials, 2008, 110, 271-278.	2.2	66
120	FTIR study of NO, C3H6 and O2 adsorption and interaction on gold modified MCM-41 materials. Catalysis Today, 2008, 137, 203-208.	2.2	11
121	Adsorption and interaction of NO, C3H6 and O2 on Pt, Zr, Nb-MCM-41â€"FTIR study. Catalysis Today, 2008, 137, 197-202.	2.2	8
122	Nb-containing mesoporous materials of MCF typeâ€"Acidic and oxidative properties. Catalysis Today, 2008, 139, 196-201.	2.2	19
123	Nature of vanadium species in V substituted zeolites: A combined experimental and theoretical study. Catalysis Today, 2008, 139, 221-226.	2.2	42
124	Gold, vanadium and niobium containing MCM-41 materialsâ€"Catalytic properties in methanol oxidation. Catalysis Today, 2008, 139, 188-195.	2.2	28
125	Structural and reactive relevance of V+NbV+Nb coverage on alumina of VNbO/Al2O3 catalytic systems. Journal of Catalysis, 2008, 255, 94-103.	3.1	16
126	Application of modified zeolites and mesoporous materials for deodorization. Studies in Surface Science and Catalysis, 2008, , 555-560.	1.5	1

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127	New MCF type supports for platinum â€" characterization of Pt/MCF and Pt/NbMCF and comparison with Pt/MCM-41. Studies in Surface Science and Catalysis, 2008, 174, 357-360.	1.5	1
128	Novel thermal stable (Zr, Nb)MCM-41 supports for platinum. Studies in Surface Science and Catalysis, 2007, 170, 1870-1876.	1.5	4
129	Novel AuNbMCM-41 catalyst for methanol oxidation. Studies in Surface Science and Catalysis, 2007, 170, 1300-1306.	1.5	8
130	Zirconium species created within the mesopores of MCM-41 and NbMCM-41. Studies in Surface Science and Catalysis, 2007, 165, 215-218.	1.5	4
131	Synthesis under different conditions of NbMCM-48 with an epoxidation activity. Studies in Surface Science and Catalysis, 2007, 165, 73-76.	1.5	2
132	Catalytic properties of niobium and gallium oxide systems supported on MCM-41 type materials. Applied Catalysis A: General, 2007, 325, 328-335.	2.2	18
133	Surface properties of platinum catalysts based on various nanoporous matrices. Microporous and Mesoporous Materials, 2007, 99, 345-354.	2.2	14
134	The role of chlorine in the generation of catalytic active species located in Au-containing MCM-41 materials. Journal of Catalysis, 2007, 245, 259-266.	3.1	37
135	Pt and Nb species on various supports: An alternative to current materials for NOx removal. Catalysis Today, 2007, 119, 78-82.	2.2	9
136	WGS and reforming properties of NbMCM-41 materials. Catalysis Today, 2006, 114, 281-286.	2.2	11
137	Formation of the nanocrystalline mesoporous niobium-silicon oxynitride. Catalysis Today, 2006, 118, 410-415.	2.2	5
138	New Nb-containing SBA-3 mesoporous materialsâ€"Synthesis, characteristics, and catalytic activity in gas and liquid phase oxidation. Catalysis Today, 2006, 118, 416-424.	2.2	46
139	Nickel niobia interaction in non-classical Ni/Nb2O5 catalysts. Journal of Molecular Catalysis A, 2006, 256, 225-233.	4.8	42
140	The role of MCM-41 composition in the creation of basicity by alkali metal impregnation. Microporous and Mesoporous Materials, 2006, 90, 362-369.	2.2	25
141	Iron Modified MCM-41 Materials Characterised by Methanol Oxidation and Sulphurisation Reactions. Catalysis Letters, 2006, 108, 141-146.	1.4	29
142	Modification of acidâ€"base properties of alkali metals containing catalysts by the application of various supports. Applied Catalysis A: General, 2006, 303, 121-130.	2.2	31
143	Use of hexane isomers adsorption for texture characterisation of niobium-containing MCM-41 mesoporous molecular sieves. Studies in Surface Science and Catalysis, 2005, 158, 1533-1540.	1.5	2
144	Preparation and characterisation of Pt containing NbMCM-41 mesoporous molecular sieves addressed to catalytic NO reduction by hydrocarbons. Microporous and Mesoporous Materials, 2005, 78, 103-116.	2.2	41

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145	Effect of texture and structure on the catalytic activity of mesoporous niobosilicates for the oxidation of cyclohexene. Microporous and Mesoporous Materials, 2005, 78, 281-288.	2.2	41
146	Study of nickel catalysts supported on Al2O3, SiO2 or Nb2O5 oxides. Journal of Molecular Catalysis A, 2005, 242, 81-90.	4.8	72
147	Iron containing mesoporous solids: preparation, characterisation, and surface properties. Comptes Rendus Chimie, 2005, 8, 635-654.	0.2	20
148	Iron Containing Mesoporous Solids: Preparation, Characterisation, and Surface Properties. ChemInform, 2005, 36, no.	0.1	0
149	New iron containing mesoporous catalysts. Catalysis Today, 2005, 101, 109-116.	2.2	12
150	Comparison of Adsorption Properties of Polymer-Templated Mesoporous Silicas with Incorporated Niobium. Adsorption, 2005, 11, 737-743.	1.4	1
151	The effect of the Cs introduction into Pt/NbMCM-41 and Pt/SiMCM-41 on surface properties and NO reduction with hydrocarbons. Studies in Surface Science and Catalysis, 2005, 158, 1319-1326.	1.5	7
152	Transition metal containing (Nb, V, Mo) SBA-15 molecular sieves â€"synthesis, characteristic and catalytic activity in gas and liquid phase oxidation. Studies in Surface Science and Catalysis, 2005, 158, 1461-1468.	1.5	25
153	A novel mixed cationic-nonionic surfactant templating approach for the synthesis of mesoporous niobium containing silica-a promising epoxidation catalyst. Studies in Surface Science and Catalysis, 2005, 156, 155-162.	1.5	1
154	Alkali-resistance of MCM-41 mesoporous molecular sieves containing various T (Al, Si, Nb) elements. Studies in Surface Science and Catalysis, 2004, 154, 439-445.	1.5	1
155	FTIR study of FE-doped MCM-41 mesoporous molecular sieves. Studies in Surface Science and Catalysis, 2004, 154, 1490-1497.	1.5	3
156	The use of niobium containing mesoporous molecular sieves in the liquid phase oxidation. Studies in Surface Science and Catalysis, 2004, 154, 2610-2617.	1.5	9
157	Template synthesis and characterisation of MCM-41 mesoporous molecular sieves containing various transition metal elementsâ€"TME (Cu, Fe, Nb, V, Mo). Journal of Physics and Chemistry of Solids, 2004, 65, 571-581.	1.9	54
158	The role of niobium in the gas- and liquid-phase oxidation on metallosilicate MCM-41-type materials. Journal of Catalysis, 2004, 224, 314-325.	3.1	71
159	Cu state and behaviour in MCM-41 mesoporous molecular sieves modified with copper during the synthesisâ€"â€"comparison with copper exchanged materials. Microporous and Mesoporous Materials, 2004, 74, 23-36.	2.2	54
160	Nickel containing MCM-41 and AlMCM-41 mesoporous molecular sievesCharacteristics and activity in the hydrogenation of benzene. Applied Catalysis A: General, 2004, 268, 241-253.	2.2	134
161	Catalytic liquid-phase oxidation in heterogeneous system as green chemistry goalâ€"advantages and disadvantages of MCM-41 used as catalyst. Catalysis Today, 2004, 90, 145-150.	2.2	103
162	Synthesis and Characterization of Polymer-Templated Mesoporous Silicas Containing Niobium. Journal of Physical Chemistry B, 2004, 108, 3722-3727.	1.2	27

#	Article	IF	Citations
163	Synthesis and characterisation of multi-element (Nb, V, Mo) MCM-41 molecular sieves. Studies in Surface Science and Catalysis, 2004, , 848-855.	1.5	8
164	NbMCM-41 mesoporous molecular sieves in oxidative dehydrogenation of ethane and propane. Reaction Kinetics and Catalysis Letters, 2003, 80, 199-206.	0.6	16
165	Catalytic ozonation and methods of enhancing molecular ozone reactions in water treatment. Applied Catalysis B: Environmental, 2003, 46, 639-669.	10.8	1,203
166	Physicochemical and catalytic properties of iron-doped silicaâ€"the effect of preparation and pretreatment methods. Journal of Catalysis, 2003, 219, 146-155.	3.1	37
167	Niobium-Containing Catalysts: State of the Art. ChemInform, 2003, 34, no.	0.1	0
168	Hydrodesulphurisation catalysts supported on alumina-titania. Applied Catalysis A: General, 2003, 250, 95-103.	2.2	22
169	Epoxidation of cyclohexene on Nb-containing meso- and macroporous materials. Catalysis Today, 2003, 78, 487-498.	2.2	86
170	Niobium-containing catalystsâ€"the state of the art. Catalysis Today, 2003, 78, 47-64.	2.2	318
171	Characterization techniques employed in the study of niobium and tantalum-containing materials. Catalysis Today, 2003, 78, 543-553.	2.2	37
172	Niobium and Tantalum. , 2003, , 241-312.		6
173	Mesoporous molecular sieves of MCM-41 type modified with Cs, K and Mg - physico-chemical and catalytic properties. Studies in Surface Science and Catalysis, 2002, 141, 411-416.	1.5	3
174	A possible use of modified mesoporous molecular sieves in water treatment processes. Studies in Surface Science and Catalysis, 2002, , 591-598.	1.5	4
175	Characterisation of iron containing molecular sievesâ€"the effect of T-element on Fe species. Studies in Surface Science and Catalysis, 2002, 142, 1785-1792.	1.5	10
176	MCM-41 mesoporous molecular sieves supported nickelâ€"physico-chemical properties and catalytic activity in hydrogenation of benzene. Journal of Molecular Catalysis A, 2002, 188, 85-95.	4.8	57
177	Physicochemical Properties and Catalytic Activity of Cuâ€"NbZSM-5â€"A Comparative Study with Cuâ€"AlZSM-5. Journal of Catalysis, 2002, 207, 101-112.	3.1	32
178	Modification of the Acidic Properties of NaY Zeolite by H2S Adsorptionâ€"An Infrared Study. Journal of Catalysis, 2002, 207, 353-360.	3.1	32
179	Oxidative properties of niobium-containing mesoporous silica catalysts. Catalysis Today, 2001, 70, 169-181.	2.2	100
180	07-O-04 - A comparative study of Cu interaction with niobium-and aluminium-containing MCM-41 molecular sieves. Studies in Surface Science and Catalysis, 2001, , 151.	1.5	4

#	Article	IF	Citations
181	Physico-chemical and catalytic properties of MCM-41 mesoporous molecular sieves containing transition metals (Cu, Ni, and Nb). Studies in Surface Science and Catalysis, 2000, 129, 813-822.	1.5	36
182	Nb-containing mesoporous molecular sieves â€" a possible application in the catalytic processes. Microporous and Mesoporous Materials, 2000, 35-36, 195-207.	2.2	68
183	Effect of hydrogen sulphide on nitric oxide adsorption and decomposition on Cu-containing molecular sieves. Applied Catalysis B: Environmental, 2000, 28, 197-207.	10.8	12
184	Physico-chemical and catalytic properties of Ni-containing mesoporous molecular sieves of MCM-41 type. Studies in Surface Science and Catalysis, 2000, , 3047-3052.	1.5	15
185	Adsorption and dehydrosulfurization of aliphatic thiols on zeolites. Research on Chemical Intermediates, 2000, 26, 385-412.	1.3	12
186	NO adsorption and decomposition on Cu-containing mesoporous molecular sieves - comparison with CuZSM-5. Studies in Surface Science and Catalysis, 1999, 125, 633-640.	1.5	20
187	Niobium Compounds:Â Preparation, Characterization, and Application in Heterogeneous Catalysis. Chemical Reviews, 1999, 99, 3603-3624.	23.0	716
188	Relation between Chemisorption and Catalytic Transformation of R2S Compounds on Faujasite-Type Zeolitesâ€. Langmuir, 1999, 15, 5781-5784.	1.6	10
189	The possible use of mesoporous molecular sieves for deodorisation. Studies in Surface Science and Catalysis, 1999, 125, 691-698.	1.5	16
190	Reactions of alcohols with hydrogen sulphide on zeolites. Part 7: the effect of BrÃ¸nsted acidity of faujasite type zeolites on methanol hydrosulphurisation. Microporous and Mesoporous Materials, 1998, 23, 45-54.	2.2	18
191	Effect on the reaction between methanol and hydrogen sulphide of Na or Mo doping on zirconia and alumina. Applied Catalysis A: General, 1998, 171, 109-115.	2.2	20
192	Use of but-1-yne as a probe for the characterization of the basicity of alkali-exchanged zeolites. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 331-335.	1.7	23
193	Synthesis and transformation of thiols and organic sulfides on MCM-41 mesoporous molecular sieves. Studies in Surface Science and Catalysis, 1998, 117, 509-516.	1.5	12
194	Catalytic decomposition of organic sulfur compoundsâ€"effect of zeolite acidity. Studies in Surface Science and Catalysis, 1997, , 1625-1632.	1.5	11
195	Acidity study of Nb-containing MCM-41 mesoporous materials. Comparison with that of Al-MCM-41. Catalysis Letters, 1997, 45, 259-265.	1.4	88
196	Synthesis and characterization of niobium-containing MCM-41. Zeolites, 1997, 18, 356-360.	0.9	103
197	Use of pyridine as a probe for the determination, by IR spectroscopy, of the BrÃ¸nsted acid strength of MIHNaY zeolites. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 1263-1266.	1.7	27
198	Methanol adsorption and dehydration on alkali metal exchanged NaY zeolites. Catalysis Letters, 1996, 37, 223-227.	1.4	17

#	Article	IF	Citations
199	Influence of sulfur dioxide adsorption on the surface properties of metal oxides. Journal of Molecular Catalysis A, 1996, 112, 125-132.	4.8	56
200	Reactions of alcohols with hydrogen sulfide on zeolites. Part 6: FT i.r. spectroscopy investigation of the reaction between methanol and hydrogen sulfide on NaX and NaY. Zeolites, 1996, 16, 42-49.	0.9	23
201	Influence of hydrogen sulfide adsorption on the catalytic properties of metal oxides. Journal of Molecular Catalysis A, 1995, 97, 49-55.	4.8	62
202	Solid-state interaction between niobium oxide and Y-type zeolites. Studies in Surface Science and Catalysis, 1995, 94, 270-277.	1.5	12
203	Zeolites as catalysts for decomposition of sulfur organic compounds. Studies in Surface Science and Catalysis, 1994, , 1579-1586.	1.5	7
204	A comparative FT-IR spectroscopic study of methanethiol and methanol adsorption on sodium X and Y zeolites. Reaction Kinetics and Catalysis Letters, 1994, 53, 339-346.	0.6	11
205	FTIR study of adsorption and transformation of methanethiol and dimethyl sulfide on zirconia. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 1029.	1.7	13
206	Metal oxides as catalysts for the reaction between methanol and hydrogen sulfide. The Journal of Physical Chemistry, 1993, 97, 9761-9766.	2.9	49
207	Transformation of Thiols and Organic Sulfides Over Zeolites. Studies in Surface Science and Catalysis, 1993, 75, 1681-1684.	1.5	0
208	Reactions of alcohols with hydrogen sulfide over zeolites: Part V. The role of BrÃ¶nsted acid sites in thiols formation â€" A comparative study of zeolites and heteropoly acids. Zeolites, 1992, 12, 710-715.	0.9	13
209	Deactivation of Claus Catalysts. Studies in Surface Science and Catalysis, 1991, , 485-488.	1.5	0
210	Cation Exchange Influence on the Activity of Zeolites in Reactions Between Alcohols and Hydrogen Sulphide. Studies in Surface Science and Catalysis, 1991, 69, 397-404.	1.5	1
211	Transformation of Ethanethiol Over Zeolites. Studies in Surface Science and Catalysis, 1989, 46, 305-314.	1.5	8
212	UV-Visible Spectroscopic Investigations and Related Studies on Coke Formation Over Industrial H-ZSM-5-Based Catalysts. Studies in Surface Science and Catalysis, 1989, 49, 1327-1337.	1.5	44
213	Reactions of alcohols with hydrogen sulphide over zeolites: II. Activity of faujasite-type and ZSM-5 zeolites in the reaction of C2 and C3 alcohols with H2S. Zeolites, 1988, 8, 54-59.	0.9	9
214	UV-visible spectroscopic investigations of the modified claus reaction on NaX zeolite catalysts. Journal of Catalysis, 1988, 109, 252-262.	3.1	30
215	The Role of Cations in the Reaction Between Alcohols and Hydrogen Sulfide on X-Type Zeolites. Studies in Surface Science and Catalysis, 1988, 37, 427-434.	1.5	12
216	Effect of water on the formation of bisulfite ions upon sulfur dioxide adsorption onto faujasite-type zeolites. The Journal of Physical Chemistry, 1987, 91, 4-6.	2.9	22

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217	U.v./vis and i.r. spectroscopic study of hydrogen sulphide adsorption on faujasite-type zeolites. Zeolites, 1987, 7, 197-202.	0.9	56
218	Catalytic activity of aluminium form of Y-type zeolites for the Claus reaction. Zeolites, 1987, 7, 535-539.	0.9	1
219	Combined UV and IR Spectroscopic Studies on the Adsorption of SO2 onto Faujasite-Type Zeolites. Studies in Surface Science and Catalysis, 1986, 28, 617-624.	1.5	10
220	Reactions of alcohols with hydrogen sulphide over zeolites.. Zeolites, 1985, 5, 245-250.	0.9	29
221	Activity of faujasite-type zeolites in methyl mercaptan â€" Sulfur dioxide reaction. Reaction Kinetics and Catalysis Letters, 1985, 27, 413-417.	0.6	0
222	Catalytically active centres of faujasite-type zeolites in H2S + SO2 reaction. Zeolites, 1984, 4, 87-91.	0.9	4
223	Structural changes of faujasiteâ€"Type zeolites under the influence of sulfur dioxide adsorption. Reaction Kinetics and Catalysis Letters, 1983, 23, 371-374.	0.6	1
224	Influence of the Claus reaction on the structure of faujasite-type zeolites. Reaction Kinetics and Catalysis Letters, 1983, 22, 455-458.	0.6	4
225	Catalytically active centres in H2S + O2 reaction on faujasites. Zeolites, 1981, 1, 117-121.	0.9	16
226	Structural changes of NaX zeolite during the H2S+O2 reaction. Reaction Kinetics and Catalysis Letters, 1980, 14, 213-217.	0.6	6
227	Influence of cation exchange on the structure and properties of Faujasite-type zeolites. Reaction Kinetics and Catalysis Letters, 1979, 12, 213-217.	0.6	8
228	The specific catalytic activity of sodium faujasites in H2S oxidation. Journal of Catalysis, 1978, 51, 345-354.	3.1	30