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	Catalytic ozonation and methods of enhancing molecular ozone reactions in water treatment. Applied Catalysis B: Environmental, 2003, 46, 639-669.	10.8	1,203
2	Niobium Compounds:Â Preparation, Characterization, and Application in Heterogeneous Catalysis. Chemical Reviews, 1999, 99, 3603-3624.	23.0	716
3	Niobium-containing catalystsâ€"the state of the art. Catalysis Today, 2003, 78, 47-64.	2.2	318
4	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
5	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
6	Synthesis and characterization of niobium-containing MCM-41. Zeolites, 1997, 18, 356-360.	0.9	103
7	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
8	Oxidative properties of niobium-containing mesoporous silica catalysts. Catalysis Today, 2001, 70, 169-181.	2.2	100
9	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
10	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
11	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
12	Epoxidation of cyclohexene on Nb-containing meso- and macroporous materials. Catalysis Today, 2003, 78, 487-498.	2.2	86
13	The role of niobium component in heterogeneous catalysts. Catalysis Today, 2017, 285, 211-225.	2.2	83
14	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
15	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
16	Study of nickel catalysts supported on Al2O3, SiO2 or Nb2O5 oxides. Journal of Molecular Catalysis A, 2005, 242, 81-90.	4.8	72
17	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
18	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

#	Article	IF	Citations
19	Niobium rich SBA-15 materials â€“ preparation, characterisation and catalytic activity. Microporous and Mesoporous Materials, 2008, 110, 271-278.	2.2	66
20	Influence of hydrogen sulfide adsorption on the catalytic properties of metal oxides. Journal of Molecular Catalysis A, 1995, 97, 49-55.	4.8	62
21	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
22	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
23	Catalytic properties of alkali metal-modified oxide supports for the Knoevenagel condensation: Kinetic aspects. Catalysis Today, 2009, 142, 278-282.	2.2	61
24	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
25	U.v./vis and i.r. spectroscopic study of hydrogen sulphide adsorption on faujasite-type zeolites. Zeolites, 1987, 7, 197-202.	0.9	56
26	Influence of sulfur dioxide adsorption on the surface properties of metal oxides. Journal of Molecular Catalysis A, 1996, 112, 125-132.	4.8	56
27	The ability of Nb2O5 and Ta2O5 to generate active oxygen in contact with hydrogen peroxide. Catalysis Communications, 2013, 37, 85-91.	1.6	56
28	Development of niobium containing acidic catalysts for glycerol esterification. Catalysis Today, 2012, 187, 129-134.	2.2	55
29	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
30	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
31	Methanol oxidation on VSiBEA zeolites: Influence of V content on the catalytic properties. Journal of Catalysis, 2011, 281, 169-176.	3.1	53
32	Metal oxides as catalysts for the reaction between methanol and hydrogen sulfide. The Journal of Physical Chemistry, 1993, 97, 9761-9766.	2.9	49
33	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
34	New catalysts for biodiesel additives production. Applied Catalysis B: Environmental, 2011, 103, 404-412.	10.8	48
35	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
36	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

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37	Supported and inserted monomeric niobium oxide species on/in silica: a molecular picture. Physical Chemistry Chemical Physics, 2015, 17, 22402-22411.	1.3	44
38	Nickel niobia interaction in non-classical Ni/Nb2O5 catalysts. Journal of Molecular Catalysis A, 2006, 256, 225-233.	4.8	42
39	Nature of vanadium species in V substituted zeolites: A combined experimental and theoretical study. Catalysis Today, 2008, 139, 221-226.	2.2	42
40	Characterization of alumina- and niobia-supported gold catalysts used for oxidation of glycerol. Applied Catalysis A: General, 2010, 384, 70-77.	2.2	42
41	Amino-grafted metallosilicate MCM-41 materials as basic catalysts for eco-friendly processes. Catalysis Today, 2010, 152, 119-125.	2.2	42
42	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
43	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
44	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
45	New Nb and Taâ€“FAU zeolitesâ€"Direct synthesis, characterisation and surface properties. Catalysis Today, 2010, 158, 170-177.	2.2	39
46	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
47	Surface and catalytic properties of Ce-, Zr-, Au-, Cu-modified SBA-15. Journal of Catalysis, 2014, 312, 249-262.	3.1	38
48	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
49	Characterization techniques employed in the study of niobium and tantalum-containing materials. Catalysis Today, 2003, 78, 543-553.	2.2	37
50	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
51	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
52	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
53	Mesoâ€“macroporous zirconia modified with niobia as support for platinumâ€"Acidic and basic properties. Catalysis Today, 2010, 152, 33-41.	2.2	34
54	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

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55	Modification of the Acidic Properties of NaY Zeolite by H2S Adsorptionâ€"An Infrared Study. Journal of Catalysis, 2002, 207, 353-360.	3.1	32
56	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
57	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
58	Gold Grafted to Mesoporous Silica Surfaces, a Molecular Picture. Journal of Physical Chemistry C, 2009, 113, 13855-13859.	1.5	31
59	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
60	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
61	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
62	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
63	The specific catalytic activity of sodium faujasites in H2S oxidation. Journal of Catalysis, 1978, 51, 345-354.	3.1	30
64	UV-visible spectroscopic investigations of the modified claus reaction on NaX zeolite catalysts. Journal of Catalysis, 1988, 109, 252-262.	3.1	30
65	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
66	Reactions of alcohols with hydrogen sulphide over zeolites.. Zeolites, 1985, 5, 245-250.	0.9	29
67	Iron Modified MCM-41 Materials Characterised by Methanol Oxidation and Sulphurisation Reactions. Catalysis Letters, 2006, 108, 141-146.	1.4	29
68	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
69	Gold, vanadium and niobium containing MCM-41 materialsâ€"Catalytic properties in methanol oxidation. Catalysis Today, 2008, 139, 188-195.	2.2	28
70	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
71	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
72	Synthesis and Characterization of Polymer-Templated Mesoporous Silicas Containing Niobium. Journal of Physical Chemistry B, 2004, 108, 3722-3727.	1.2	27

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73	Novel mesoporous zirconia-based catalysts for WGS reaction. Applied Catalysis B: Environmental, 2010, 97, 49-56.	10.8	27
74	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
75	Development of basicity in mesoporous silicas and metallosilicates. Catalysis Science and Technology, 2017, 7, 5236-5248.	2.1	27
76	Organosilanes affecting the structure and formation of mesoporous cellular foams. Microporous and Mesoporous Materials, 2012, 155, 143-152.	2.2	26
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	The radical species and impurities present in mesoporous silicas as oxidation active centres. Microporous and Mesoporous Materials, 2009, 120, 214-220.	2.2	23
86	Bifunctional mesoporous MCF materials as catalysts in the FriedlÃnder condensation. Catalysis Today, 2013, 218-219, 70-75.	2.2	23
87	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
88	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
89	Hydrodesulphurisation catalysts supported on alumina-titania. Applied Catalysis A: General, 2003, 250, 95-103.	2.2	22
90	Gold based on SBA-15 supports â€" Promising catalysts in base-free glucose oxidation. Chemical Engineering Journal, 2021, 413, 127548.	6.6	22

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91	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
92	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
93	Iron containing mesoporous solids: preparation, characterisation, and surface properties. Comptes Rendus Chimie, 2005, 8, 635-654.	0.2	20
94	Surface active sites in alumina-supported MoVNbTeO oxide catalysts. Catalysis Today, 2010, 158, 139-145.	2.2	20
95	Probing Acidâ€“Base Properties in Group V Aluminum Containing Zeolites. Journal of Physical Chemistry C, 2012, 116, 2462-2468.	1.5	20
96	Theoretical and experimental insight into zinc loading on mesoporous silica. Microporous and Mesoporous Materials, 2018, 256, 199-205.	2.2	20
97	Nb-containing mesoporous materials of MCF typeâ€"Acidic and oxidative properties. Catalysis Today, 2008, 139, 196-201.	2.2	19
98	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
99	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
100	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
101	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
102	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
103	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
104	Comparative study of Zr, Nb, Mo containing SBA-15 grafted with amino-organosilanes. Microporous and Mesoporous Materials, 2014, 196, 243-253.	2.2	18
105	Methanol adsorption and dehydration on alkali metal exchanged NaY zeolites. Catalysis Letters, 1996, 37, 223-227.	1.4	17
106	Mesoporous niobiosilicate NbMCF modified with alkali metals in the synthesis of chromene derivatives. Catalysis Today, 2016, 277, 133-142.	2.2	17
107	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
108	Catalytically active centres in H2S + O2 reaction on faujasites. Zeolites, 1981, 1, 117-121.	0.9	16

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109	The possible use of mesoporous molecular sieves for deodorisation. Studies in Surface Science and Catalysis, 1999, 125, 691-698.	1.5	16
110	NbMCM-41 mesoporous molecular sieves in oxidative dehydrogenation of ethane and propane. Reaction Kinetics and Catalysis Letters, 2003, 80, 199-206.	0.6	16
111	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
112	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
113	Spectroscopic surface characterization of MoVNbTe nanostructured catalysts for the partial oxidation of propane. Catalysis Today, 2012, 187, 195-200.	2.2	16
114	Stability of nanostructured silver-platinum alloys. Journal of Alloys and Compounds, 2019, 770, 934-941.	2.8	16
115	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
116	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
117	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
118	Isomerization of Eugenol Under Ultrasound Activation Catalyzed by Alkali Modified Mesoporous NbMCM-41. Topics in Catalysis, 2010, 53, 179-186.	1.3	15
119	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
120	FTIR spectroscopic study of CO oxidation on bimetallic catalysts. Catalysis Today, 2015, 243, 218-227.	2.2	15
121	Surface properties of platinum catalysts based on various nanoporous matrices. Microporous and Mesoporous Materials, 2007, 99, 345-354.	2.2	14
122	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
123	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
124	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
125	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
126	Designing new Vâ€"Sbâ€"O based catalysts on mesoporous supports for nitriles production. Applied Catalysis A: General, 2010, 380, 95-104.	2.2	13

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127	Efficient isomerization of safrole by amino-grafted MCM-41 materials as basic catalysts. Catalysis Today, 2012, 179, 159-163.	2.2	13
128	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
129	Changes in bimetallic silver â€“ platinum catalysts during activation and oxidation of methanol and propene. Catalysis Today, 2019, 333, 89-96.	2.2	13
130	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
131	Solid-state interaction between niobium oxide and Y-type zeolites. Studies in Surface Science and Catalysis, 1995, 94, 270-277.	1.5	12
132	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
133	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
134	Adsorption and dehydrosulfurization of aliphatic thiols on zeolites. Research on Chemical Intermediates, 2000, 26, 385-412.	1.3	12
135	New iron containing mesoporous catalysts. Catalysis Today, 2005, 101, 109-116.	2.2	12
136	Sb-V-Ox catalystsâ€"Role of chemical composition of MCM-41 supports in physicochemical properties. Catalysis Today, 2009, 142, 175-180.	2.2	12
137	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
138	Nb and Zr modified MWW zeolites â€“ characterisation and catalytic activity. RSC Advances, 2015, 5, 22326-22333.	1.7	12
139	Comparative study of acid-basic properties of MCF impregnated with niobium and cerium species. Catalysis Today, 2019, 325, 2-10.	2.2	12
140	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
141	Catalytic decomposition of organic sulfur compoundsâ€"effect of zeolite acidity. Studies in Surface Science and Catalysis, 1997, , 1625-1632.	1.5	11
142	WGS and reforming properties of NbMCM-41 materials. Catalysis Today, 2006, 114, 281-286.	2.2	11
143	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
144	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

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145	Esterification processes based on functionalized mesoporous solids. Catalysis Today, 2015, 254, 104-110.	2.2	11
146	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
147	Tantalum vs Niobium MCF nanocatalysts in the green synthesis of chromene derivatives. Catalysis Today, 2019, 325, 47-52.	2.2	11
148	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
149	Relation between Chemisorption and Catalytic Transformation of R2S Compounds on Faujasite-Type Zeolitesâ€. Langmuir, 1999, 15, 5781-5784.	1.6	10
150	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
151	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
152	Ca/MCF catalysts â€" The impact of niobium and material structure on basicity. Catalysis Today, 2019, 325, 11-17.	2.2	10
153	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
154	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
155	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
156	Pt and Nb species on various supports: An alternative to current materials for NOx removal. Catalysis Today, 2007, 119, 78-82.	2.2	9
157	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
158	Insight into the interaction of calcium species with mesoporous silica and niobiosilica. Materials Research Bulletin, 2018, 97, 530-536.	2.7	9
159	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
160	Transformation of Ethanethiol Over Zeolites. Studies in Surface Science and Catalysis, 1989, 46, 305-314.	1.5	8
161	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
162	Novel AuNbMCM-41 catalyst for methanol oxidation. Studies in Surface Science and Catalysis, 2007, 170, 1300-1306.	1.5	8

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