BÃ¡rbara G Pawelec

List of Publications by Year
in descending order

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173	8,251	41339	58576
papers	citations	49	82
		h-index	g-index

177	177	177	7389
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogenation of Aromatics on Sulfur-Resistant PtPd Bimetallic Catalysts. Journal of Catalysis, 2000, 189, 184-194.	6.2	219
2	The effect of CeO2 on the surface and catalytic properties of Pt/CeO2â€“ZrO2 catalysts for methane dry reforming. Applied Catalysis B: Environmental, 2009, 89, 149-159.	20.2	218
3	Study of the surface and redox properties of ceriaâ€“zirconia oxides. Applied Catalysis A: General, 2008, 337, 86-96.	4.3	213
4	Insights into the coke deposited on HZSM-5, HÎ² and HY zeolites during the cracking of polyethylene. Applied Catalysis B: Environmental, 2011, 104, 91-100.	20.2	206
5	Structural and surface features of PtNi catalysts for reforming of methane with CO2. Applied Catalysis A: General, 2007, 323, 188-201.	4.3	204
6	Synergy effect in the HDO of phenol over Niâ€“W catalysts supported on active carbon: Effect of tungsten precursors. Applied Catalysis B: Environmental, 2010, 101, 1-12.	20.2	180
7	SBA-15 Mesoporous Silica as Catalytic Support for Hydrodesulfurization Catalystsâ€”Review. Materials, 2013, 6, 4139-4167.	2.9	171
8	Synergetic effect of gold in Au/Pd catalysts during hydrodesulfurization reactions of model compounds. Journal of Catalysis, 2003, 215, 317-325.	6.2	167
9	Methanol Synthesis from CO2: A Review of the Latest Developments in Heterogeneous Catalysis. Materials, 2019, 12, 3902.	2.9	160
10	Upgrading of bio-liquids on different mesoporous silica-supported CoMo catalysts. Applied Catalysis B: Environmental, 2009, 92, 154-167.	20.2	158
11	Ni-based catalysts for reforming of methane with CO2. International Journal of Hydrogen Energy, 2012, 37, 15966-15975.	7.1	158
12	Adsorption of lead (II) on SBA-15 mesoporous molecular sieve functionalized with â€“NH2 groups. Microporous and Mesoporous Materials, 2012, 160, 133-142.	4.4	156
13	Hydrogenation of aromatics over supported Pt-Pd catalysts. Applied Catalysis A: General, 2002, 225, 223-237.	4.3	148
14	MCM-41 supported PdNi catalysts for dry reforming of methane. Applied Catalysis B: Environmental, 2009, 92, 250-261.	20.2	143
15	Hydrogenation of aromatics over Au-Pd/SiO2-Al2O3 catalysts; support acidity effect. Applied Catalysis A: General, 2004, 264, 43-51.	4.3	135
16	Formaldehyde/methanol combustion on alumina-supported manganese-palladium oxide catalyst. Applied Catalysis B: Environmental, 2004, 51, 83-91.	20.2	128
17	Enhancement of phenol hydrodeoxygenation over Pd catalysts supported on mixed HY zeolite and Al2O3. An approach to O-removal from bio-oils. Fuel, 2014, 117, 1061-1073.	6.4	117
18	Comparison of the morphology and HDS activity of ternary Co-Mo-W catalysts supported on P-modified SBA-15 and SBA-16 substrates. Applied Catalysis B: Environmental, 2009, 92, 168-184.	20.2	111

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19	AuPd alloy formation in Au-Pd/Al2O3 catalysts and its role on aromatics hydrogenation. Applied Surface Science, 2005, 242, 380-391.	6.1	108
20	Methylene blue photodegradation over titania-decorated SBA-15. Applied Catalysis B: Environmental, 2011, 110, 108-117.	20.2	108
21	CoMo/Ti-SBA-15 catalysts for dibenzothiophene desulfurization. Catalysis Today, 2007, 127, 70-84.	4.4	103
22	Mo promoted Ni-Al2O3 co-precipitated catalysts for green diesel production. Applied Catalysis B: Environmental, 2018, 229, 139-154.	20.2	101
23	Structure and surface properties of ceria-modified Ni-based catalysts for hydrogen production. Applied Catalysis B: Environmental, 2018, 225, 340-353.	20.2	96
24	Carbon-supported tungsten and nickel catalysts for hydrodesulfurization and hydrogenation reactions. Applied Catalysis A: General, 2001, 206, 295-307.	4.3	93
25	On the origin of the high performance of MWNT-supported PtPd catalysts for the hydrogenation of aromatics. Carbon, 2006, 44, 84-98.	10.3	90
26	Ni2P and CoP catalysts prepared from phosphite-type precursors for HDSâ€“HDN competitive reactions. Applied Catalysis A: General, 2010, 390, 253-263.	4.3	90
27	Synthesis and Characterization of Ti-HMS and CoMo/Ti-HMS Oxide Materials with Varying Ti Content. Chemistry of Materials, 2005, 17, 4062-4073.	6.7	84
28	Hydrodeoxygenation of phenol on bifunctional Ni-based catalysts: Effects of Mo promotion and support. Applied Catalysis B: Environmental, 2018, 238, 147-160.	20.2	83
29	HDS of dibenzothiophene over polyphosphates supported on mesoporous silica. Journal of Catalysis, 2004, 223, 86-97.	6.2	78
30	Hydrogenolysis of anisole over mesoporous sulfided CoMoW/SBA-15(16) catalysts. Catalysis Today, 2011, 172, 103-110.	4.4	73
31	Competitive HDS and HDN reactions over NiMoS/HMS-Al catalysts: Diminishing of the inhibition of HDS reaction by support modification with P. Applied Catalysis B: Environmental, 2016, 180, 569-579.	20.2	69
32	Comparison of the morphology and HDS activity of ternary Ni(Co)-Mo-W catalysts supported on Al-HMS and Al-SBA-16 substrates. Applied Catalysis B: Environmental, 2012, 125, 473-485.	20.2	67
33	Enhancement of pyrolysis gasoline hydrogenation over Pd-promoted Ni/SiO2â€“Al2O3 catalysts. Fuel, 2007, 86, 2262-2274.	6.4	64
34	Dehydrogenation of methylcyclohexane to toluene over partially reduced silica-supported Pt-Mo catalysts. Journal of Molecular Catalysis A, 2016, 420, 96-106.	4.8	64
35	Effect of Ti on the catalytic properties of CoMo/Ti(x)-HMS catalysts in the reaction of hydrodesulfurization of 4-ethyl-6-methyl dibenzothiophene. Journal of Catalysis, 2006, 242, 254-269.	6.2	61
36	Support effect and metals interactions for NiRu/Al 2 O 3 , TiO 2 and ZrO 2 catalysts in the hydrodeoxygenation of phenol. Catalysis Today, 2017, 296, 219-227.	4.4	61

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37	Aromatics hydrogenation on silicaâ€“alumina supported palladiumâ€“nickel catalysts. Applied Catalysis A: General, 2003, 242, 17-30.	4.3	60
38	SBA-15-supported gold nanoparticles decorated by CeO2: Structural characteristics and CO oxidation activity. Applied Catalysis A: General, 2010, 381, 42-53.	4.3	60
39	Removal of refractory S-containing compounds from liquid fuels on novel bifunctional CoMo/HMS catalysts modified with Ti. Applied Catalysis B: Environmental, 2007, 71, 223-236.	20.2	59
40	Characterization and HDS performance of sulfided CoMoW catalysts supported on mesoporous Al-SBA-16 substrates. Fuel, 2015, 149, 149-161.	6.4	59
41	Influence of the preparation method on the activity of phosphate-containing CoMo/HMS catalysts in deep hydrodesulphurization. Applied Catalysis A: General, 2007, 321, 58-70.	4.3	58
42	Influence of the acidity of nanostructured CoMo/P/Ti-HMS catalysts on the HDS of 4,6-DMDBT reaction pathways. Applied Catalysis B: Environmental, 2008, 80, 1-14.	20.2	58
43	Inhibition of CoMo/HMS catalyst deactivation in the HDS of 4,6-DMDBT by support modification with phosphate. Fuel, 2011, 90, 2726-2737.	6.4	55
44	Simultaneous 1-pentene hydroisomerisation and thiophene hydrodesulphurisation over sulphided Ni/FAU and Ni/ZSM-5 catalysts. Applied Catalysis A: General, 2004, 262, 155-166.	4.3	54
45	Methyl ethyl ketone combustion over La-transition metal (Cr, Co, Ni, Mn) perovskites. Applied Catalysis B: Environmental, 2009, 92, 445-453.	20.2	54
46	Supported gold catalysts in SBA-15 modified with TiO2 for oxidation of carbon monoxide. Applied Catalysis A: General, 2010, 375, 37-48.	4.3	53
47	Dehydrogenation of methylcyclohexane to toluene over partially reduced Moâ€“SiO2 catalysts. Applied Catalysis A: General, 2015, 502, 329-339.	4.3	53
48	Characterization of none and yttrium-modified Ni-based catalysts for dry reforming of methane. Applied Catalysis B: Environmental, 2020, 278, 119335.	20.2	52
49	Hydrodesulfurization of dibenzothiophene over CoMo/HMS and CoMo/Ti-HMS catalysts. Catalysis Communications, 2006, 7, 33-41.	3.3	51
50	Deep hydrodesulfurization of DBT and diesel fuel on supported Pt and Ir catalysts. Applied Catalysis A: General, 1996, 137, 269-286.	4.3	50
51	HDO activity of carbon-supported Rh, Ni and Mo-Ni catalysts. Molecular Catalysis, 2017, 441, 209-220.	2.0	50
52	Regeneration of Ni-USY catalysts used in benzene hydrogenation. Applied Catalysis A: General, 1996, 145, 307-322.	4.3	49
53	Dibenzothiophene hydrodesulfurization on silica-alumina-supported transition metal sulfide catalysts. Applied Catalysis A: General, 1996, 148, 23-40.	4.3	49
54	Comparison of the morphology and reactivity in HDS of CoMo/HMS, CoMo/P/HMS and CoMo/SBA-15 catalysts. Microporous and Mesoporous Materials, 2009, 118, 189-201.	4.4	49

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55	Relationship between reduced nickel and activity for benzene hydrogenation on Ni-USY zeolite catalysts. Applied Catalysis A: General, 1992, 87, 145-156.	4.3	48
56	XANES Mo L-Edges and XPS Study of Mo Loaded in HY Zeolite. Journal of Physical Chemistry B, 2002, 106, 7824-7831.	2.6	48
57	Effect of gallium loading on the hydrodesulfurization activity of unsupported Ga2S3/WS2 catalysts. Applied Catalysis B: Environmental, 2012, 111-112, 10-19.	20.2	48
58	Effect of Al and Ti content in HMS material on the catalytic activity of NiMo and CoMo hydrotreating catalysts in the HDS of DBT. Microporous and Mesoporous Materials, 2008, 111, 157-170.	4.4	47
59	Biogas reforming over bimetallic PdNi catalysts supported on phosphorus-modified alumina. International Journal of Hydrogen Energy, 2011, 36, 10635-10647.	7.1	47
60	Hydrodesulfurization and hydrogenation of model compounds on silicaâ€“alumina supported bimetallic systemsâ˜†. Fuel, 2003, 82, 501-509.	6.4	45
61	Enhanced methylcyclohexane dehydrogenation to toluene over Ir/USY catalyst. Catalysis Today, 2016, 259, 119-129.	4.4	45
62	Direct Synthesis of Dimethyl Ether from CO2: Recent Advances in Bifunctional/Hybrid Catalytic Systems. Catalysts, 2021, 11, 411.	3.5	45
63	Deep aromatics hydrogenation in the presence of DBT over Auâ€“Pd/Î³-alumina catalysts. Applied Catalysis A: General, 2004, 275, 127-139.	4.3	44
64	Enhancement of biphenyl hydrogenation over gold catalysts supported on Fe-, Ce- and Ti-modified mesoporous silica (HMS). Journal of Catalysis, 2009, 267, 30-39.	6.2	44
65	CO oxidation on Au nanoparticles supported on wormhole HMS material: Effect of support modification with CeO2. Applied Catalysis B: Environmental, 2009, 89, 128-136.	20.2	43
66	Simultaneous hydrodesulfurization and hydrodenitrogenation on MoP/SiO2 catalysts: Effect of catalyst preparation method. Applied Catalysis B: Environmental, 2012, 113-114, 87-99.	20.2	43
67	Synthesis and characterization of P-modified mesoporous CoMo/HMSâ€“Ti catalysts. Microporous and Mesoporous Materials, 2008, 111, 493-506.	4.4	42
68	Aromatics reduction of pyrolysis gasoline (PyGas) over HY-supported transition metal catalysts. Applied Catalysis A: General, 2006, 315, 101-113.	4.3	41
69	Factors influencing selectivity in naphthalene hydrogenation over Au- and Ptâ€“Au-supported catalysts. Applied Catalysis A: General, 2005, 283, 165-175.	4.3	40
70	Enhancement of naphthalene hydrogenation over PtPd/SiO2â€“Al2O3 catalyst modified by gold. Journal of Molecular Catalysis A, 2006, 253, 30-43.	4.8	40
71	Post-synthesis alumination of MCM-41: Effect of the acidity on the HDS activity of supported Pd catalysts. Applied Catalysis A: General, 2010, 383, 211-216.	4.3	40
72	Insight of 1D Î³-Al2O3 nanorods decoration by NiWS nanoslabs in ultra-deep hydrodesulfurization catalyst. Journal of Catalysis, 2015, 321, 51-61.	6.2	40

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73	Dibenzothiophene hydrodesulfurization on HY-zeolite-supported transition metal sulfide catalysts. Fuel Processing Technology, 1999, 61, 73-88.	7.2	39
74	Removal of refractory S-containing compounds from liquid fuels over P-loaded NiMoW/SBA-16 sulfide catalysts. Fuel, 2013, 103, 321-333.	6.4	38
75	Chemoselective hydrogenation of o-, p- and m-chloronitrobenzene at ambient temperature on Au/Fe2O3 catalysts. Applied Catalysis A: General, 2014, 482, 127-136.	4.3	38
76	Gold catalysts supported on TiO 2 -nanotubes for the selective hydrogenation of p -substituted nitrobenzenes. Molecular Catalysis, 2018, 447, 21-27.	2.0	38
77	Silicaâ€“alumina-supported transition metal sulphide catalysts for deep hydrodesulphurization. Catalysis Today, 2003, 86, 73-85.	4.4	37
78	Preparation, Characterization, and Performance of Alumina-Supported Nanostructured Moâ^'Phosphide Systems. Chemistry of Materials, 2007, 19, 5627-5636.	6.7	36
79	Effect of the support acidity on the aromatic ring-opening of pyrolysis gasoline over Pt/HZSM-5 catalysts. Catalysis Today, 2009, 143, 115-119.	4.4	36
80	Preferential CO oxidation in excess of hydrogen over Au/HMS catalysts modified by Ce, Fe and Ti oxides. Applied Catalysis B: Environmental, 2010, 100, 450-462.	20.2	36
81	Cd1â^'xZnxS solid solutions supported on ordered mesoporous silica (SBA-15): Structural features and photocatalytic activity under visible light. International Journal of Hydrogen Energy, 2012, 37, 9948-9958.	7.1	34
82	Microwave-assisted synthesis of (S)Fe/TiO2 systems: Effects of synthesis conditions and dopant concentration on photoactivity. Applied Catalysis B: Environmental, 2013, 140-141, 213-224.	20.2	34
83	Hydrodesulfurization enhancement of heavy and light S-hydrocarbons on NiMo/HMS catalysts modified with Al and P. Applied Catalysis A: General, 2014, 484, 108-121.	4.3	34
84	Designing supported ZnNi catalysts for the removal of oxygen from bio-liquids and aromatics from diesel. Green Chemistry, 2012, 14, 2759.	9.0	33
85	Effects of pH and chelating agent on the NiWS phase formation in NiW/Î³-Al2O3 HDS catalysts. Materials Chemistry and Physics, 2015, 166, 105-115.	4.0	33
86	Factors influencing the thioresistance of nickel catalysts in aromatics hydrogenation. Applied Catalysis A: General, 2007, 317, 20-33.	4.3	32
87	Influence of reduction temperature and metal loading on the performance of molybdenum phosphide catalysts for dibenzothiophene hydrodesulfurization. Applied Catalysis A: General, 2008, 334, 330-338.	4.3	32
88	Characterization and HDS activity of sulfided Co Mo W/SBA-16 catalysts: Effects of P addition and Mo/(Mo + W) ratio. Fuel, 2017, 198, 145-158.	6.4	32
89	Catalysts based on Co/zirconium doped mesoporous silica MSU for the hydrogenation and hydrogenolysis/hydrocracking of tetralin. Applied Catalysis A: General, 2005, 286, 239-248.	4.3	31
90	Morphological investigation of nanostructured CoMo catalysts. Applied Surface Science, 2008, 254, 4092-4102.	6.1	30

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91	Mo-USY zeolites for hydrodesulphurization. Applied Catalysis A: General, 1993, 99, 55-70.	4.3	29
92	Evaluation of silica-alumina-supported nickel catalysts in dibenzothiophene hydrodesulphurisation. Applied Catalysis A: General, 2003, 248, 211-225.	4.3	29
93	Hydrodesulfurization of dibenzothiophene and a SRGO on sulfide Ni(Co)Mo/Al2O3 catalysts. Effect of Ru and Pd promotion. Catalysis Today, 2009, 143, 108-114.	4.4	29
94	Direct conversion of methane to C1 oxygenates over MoO3î—¸USY zeolites. Zeolites, 1992, 12, 882-888.	0.5	28
95	Effect of partial Mo substitution by W on HDS activity using sulfide CoMoW/Al2O3â€“TiO2 catalysts. Fuel, 2018, 233, 644-657.	6.4	28
96	Factors affecting Ni-sulfide formation in Y-type zeolites: a combined Fourier transform infrared and X-ray photoelectron spectroscopy study. Microporous and Mesoporous Materials, 2000, 34, 181-194.	4.4	27
97	Effect of the support on the kinetic and deactivation performance of Pt/support catalysts during coupled hydrogenation and ring-opening of pyrolysis gasoline. Applied Catalysis A: General, 2007, 333, 161-171.	4.3	27
98	Effect of the modified support Î³-Al2O3-CaO on the structure and hydrodesulfurization activity of Mo and Ni-Mo catalysts. Applied Catalysis A: General, 2007, 328, 201-209.	4.3	27
99	Mo-USY zeolites for hydrodesulphurization. I.. Applied Catalysis A: General, 1993, 99, 37-54.	4.3	26
100	Removal of PAH Compounds from Liquid Fuels by Pd Catalysts. Environmental Science & Technology, 2005, 39, 3374-3381.	10.0	26
101	Structure and surface properties of praseodymium modified alumina. Applied Surface Science, 2011, 258, 278-284.	6.1	26
102	Maleic anhydride hydrogenation to succinic anhydride over mesoporous Ni/TiO2 catalysts: Effects of Ni loading and temperature. Journal of Molecular Catalysis A, 2016, 423, 441-448.	4.8	26
103	Surface properties and hydrocracking activity of NiMo zeolite catalysts. Applied Catalysis A: General, 1998, 169, 37-53.	4.3	25
104	Modification of the Pd/SiO2â€“Al2O3 catalystâ€™s thioresistance by the addition of a second metal (Pt, Ru,) Tj ETQq0 0 0 rgBT /Overlo	3.3	24
105	Synthesis and characterization of Ga-modified Ti-HMS oxide materials with varying Ga content. Journal of Molecular Catalysis A, 2015, 397, 26-35.	4.8	24
106	Studies of molybdenum sulfide catalyst ex ammonium tetrathiomolybdate: effect of pretreatment on hydrodesulfurization of dibenzothiophene. Applied Catalysis A: General, 1998, 168, 205-217.	4.3	23
107	Kinetic modelling of methylcyclohexane ring-opening over a HZSM-5 zeolite catalyst. Chemical Engineering Journal, 2008, 140, 287-295.	12.7	23
108	Impact of preparation method and support modification on the activity of mesoporous hydrotreating CoMo catalysts. Applied Catalysis A: General, 2008, 348, 30-41.	4.3	23

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109	Kinetic Modeling for Assessing the Product Distribution in Toluene Hydrocracking on a Pt/HZSM-5 Catalyst. Industrial & Engineering Chemistry Research, 2008, 47, 1043-1050.	3.7	23
110	Influence of calcination on metallic dispersion and support interactions for NiRu/TiO2 catalyst in the hydrodeoxygenation of phenol. Catalysis Today, 2019, 329, 149-155.	4.4	23
111	Catalytic ring opening of naphthenic structures. Applied Catalysis A: General, 2006, 299, 14-29.	4.3	21
112	Cd1â^'xZnxS supported on SBA-16 as photocatalysts for water splitting under visible light: Influence of Zn concentration. International Journal of Hydrogen Energy, 2013, 38, 11799-11810.	7.1	21
113	Catalysts for the Conversion of CO2 to Low Molecular Weight Olefinsâ€"A Review. Materials, 2021, 14, 6952.	2.9	21
114	Kinetic Model Discrimination for Toluene Hydrogenation over Noble-Metal-Supported Catalysts. Industrial & Engineering Chemistry Research, 2007, 46, 7417-7425.	3.7	20
115	Characterizations and HDS performances of sulfided NiMoW catalysts supported on mesoporous titania-modified SBA-15. Catalysis Today, 2018, 305, 152-161.	4.4	19
116	Role of Cs on Hydrodesulfurization Activity of RuS₂ Catalysts Supported on a Mesoporous SBA-15 Type Material. ACS Catalysis, 2011, 1, 175-186.	11.2	18
117	CO oxidation at 20 Â°C over Au/SBA-15 catalysts decorated by Fe2O3 nanoparticles. Catalysis Communications, 2011, 15, 108-112.	3.3	18
118	Deep Hydrodesulfurization of Dibenzothiophenes Over NiW Sulfide Catalysts Supported on Solâ€"Gel Titaniaâ€"Alumina. Topics in Catalysis, 2016, 59, 241-251.	2.8	18
119	Hydrodesulfurization over PdMo/HY zeolite catalysts. Fuel, 1997, 76, 61-71.	6.4	17
120	Heterogeneous hydrogenation of nitroaromatic compounds on gold catalysts: Influence of titanium substitution in MCM-41 mesoporous supports. Applied Catalysis A: General, 2016, 517, 110-119.	4.3	17
121	Structure and activity of Cu/ZnO catalysts co-modified with aluminium and gallium for methanol synthesis. Catalysis Today, 2020, 355, 870-881.	4.4	17
122	The Role of Zeolite Acidity in Coupled Toluene Hydrogenation and Ring Opening in One and Two Steps. Industrial & Engineering Chemistry Research, 2008, 47, 665-671.	3.7	16
123	Role of the Ru and Support in Sulfided RuNiMo Catalysts in Simultaneous Hydrodearomatization (HDA), Hydrodesulfurization (HDS), and Hydrodenitrogenation (HDN) Reactions. Energy & Fuels, 2009, 23, 1364-1372.	5.1	16
124	Effect of hydrogen on the cracking mechanisms of cycloalkanes over zeolites. Catalysis Today, 2010, 150, 363-367.	4.4	16
125	Effect of the acidity of alumina over Pt, Pd, and Ptâ€"Pd (1:1) based catalysts for 2-propanol dehydration reactions. Fuel, 2013, 105, 688-694.	6.4	16
126	The effect of sulfidation on the Ni distribution in Ni/USY zeolites. Zeolites, 1997, 18, 250-259.	0.5	15

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127	Promoting effect of Pt in Ni-based catalysts for CH4 reforming. Reaction Kinetics and Catalysis Letters, 2007, 91, 241-248.	0.6	15
128	Total CO oxidation over Fe-containing Au/HMS catalysts: Effects of gold loading and catalyst pretreatment. Catalysis Today, 2011, 172, 95-102.	4.4	15
129	TiO2/DMS-1 disordered mesoporous silica system: Structural characteristics and methylene blue photodegradation activity. Microporous and Mesoporous Materials, 2013, 170, 181-188.	4.4	15
130	Noble metals supported on binary Î³-Al2O3-Î±-Ga2O3 oxide as potential low-temperature water-gas shift catalysts. Fuel, 2020, 266, 117031.	6.4	15
131	HDS AND HDN ACTIVITY AND CHARACTERIZATION OF NiMo â€USY ZEOLITE CATALYSTS. Bulletin Des SociÃ©tÃ©s Chimiques Belges, 1995, 104, 197-204.	0.0	14
132	Ortho-xylene hydroisomerization under pressure on HMS-Ti mesoporous silica decorated with Ga2O3 nanoparticles. Fuel, 2015, 158, 405-415.	6.4	14
133	Hydrogen storage in liquid hydrocarbons: Effect of platinum addition to partially reduced Mo-SiO2 catalysts. Materials Chemistry and Physics, 2018, 209, 188-199.	4.0	14
134	Dibenzothiophene hydrodesulfurization over ternary metallic NiMoW/Ti-HMS mesoporous catalysts. Catalysis Communications, 2021, 148, 106162.	3.3	14
135	Hydrogenation of aromatics over PtPd Metals supported on a mixed Î³-ZrPâ€“silica carrier promoted with lithium. Catalysis Communications, 2002, 3, 305-311.	3.3	13
136	Catalytic behaviour of bifunctional pumice-supported and zeolite/pumice hybrid catalysts for n-pentane hydroisomerization. Applied Catalysis A: General, 2008, 350, 38-45.	4.3	13
137	Surface and Structural Features of Pt/Pd-Loaded Mesoporous Silica-Delaminated Zirconium Phosphate Systems. Langmuir, 2002, 18, 7953-7963.	3.5	12
138	Direct Synthesis of Dimethyl Ether from Syngas on Bifunctional Hybrid Catalysts Based on Supported H3PW12O40 and Cu-ZnO(Al): Effect of Heteropolyacid Loading on Hybrid Structure and Catalytic Activity. Catalysts, 2020, 10, 1071.	3.5	12
139	Effect of the titanium incorporation method on the morphology and HDS activity of supported ternary Niâ€“Moâ€“W/SBA-16 catalysts. Microporous and Mesoporous Materials, 2021, 312, 110779.	4.4	12
140	Effect of stacking of MoS₂slabs on catalytic performance of supported CoMo-catalysts in hydrodesulfurization of dibenzothiophene. Materials Research Innovations, 2007, 11, 54-59.	2.3	11
141	SBA-16 Cage-Like Porous Material Modified with APTES as an Adsorbent for Pb2+ Ions Removal from Aqueous Solution. Materials, 2020, 13, 927.	2.9	11
142	Hydrodesulfurizationâ€Hydrogenation of Niâ€Containing Ultrastable HY Zeolites. Bulletin Des SociÃ©tÃ©s Chimiques Belges, 1991, 100, 915-921.	0.0	10
143	Effect of Ir and Pt Addition on the HDO Performance of RuS2/SBA-15 Sulfide Catalysts. Topics in Catalysis, 2015, 58, 247-257.	2.8	10
144	Enhancement of dibenzothiophene hydrodesulphurization via hydrogenation route on NiMoW catalyst supported on HMS modified with Ti. Catalysis Today, 2018, 305, 65-74.	4.4	10

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145	Enhanced CO₂ Hydrogenation to C₂₊ Hydrocarbons over Mesoporous x%Fe₂O₃â€“Al₂O₃ Catalysts. Industrial & Engineering Chemistry Research, 2021, 60, 18660-18671.	3.7	10
146	Methyl-naphthalene hydrogenation on Pt/HYâ€“Al2O3 catalysts. An approach to hydrogenation of polyaromatic hydrocarbon mixtures. Fuel Processing Technology, 2000, 64, 117-133.	7.2	9
147	The use of a natural Mexican zeolite as support of NiMoW sulphide hydrotreating catalysts. Catalysis Today, 2014, 220-222, 301-309.	4.4	9
148	Synergetic effect in RuxMo(1-x)S2/SBA-15 hydrodesulfurization catalysts: Comparative experimental and DFT studies. Applied Catalysis B: Environmental, 2019, 251, 143-153.	20.2	9
149	Effect of sulfidation pressure on the structure and activity of Ni(CyDTA)W/Î³-Al2O3 hydrodesulfurization catalysts. Catalysis Today, 2021, 377, 92-99.	4.4	9
150	CO Oxidation at 20 Â°C on Au Catalysts Supported on Mesoporous Silica: Effects of Support Structural Properties and Modifiers. Materials, 2018, 11, 948.	2.9	8
151	Partial oxidation of methane to syngas over Ni-loaded ultrastable HY zeolite catalysts. Studies in Surface Science and Catalysis, 1997, , 441-446.	1.5	7
152	Highlights from a Development Process of Cetane-Enhancing Catalysts. Energy & Fuels, 2008, 22, 2138-2148.	5.1	6
153	Positive phosphorous effect during co-processing of pyrolysis bio-oils and S-content model compounds over sulfide NiMo/P/HMS-Al catalysts. Fuel Processing Technology, 2021, 211, 106599.	7.2	6
154	Data on TGA of precursors and SEM of reduced Cu/ZnO catalysts co-modified with aluminium and gallium for methanol synthesis. Data in Brief, 2019, 24, 104010.	1.0	5
155	Factors influencing selectivity in the liquid-phase phenol hydrodeoxygenation over ZSM-5 supported Pt/Ir and Pt+Ir catalysts. Molecular Catalysis, 2020, 482, 110669.	2.0	5
156	The use of inorganic Al-HMS as a support for NiMoW sulfide HDS catalysts. Inorganica Chimica Acta, 2021, 524, 120450.	2.4	5
157	Synergistic Effect in Vapor Phase Hydrodeoxygenation on USY Zeolite Supported Irâ€“Pt Catalyst: Role of Pentacoordinated Al³⁺ Ions. Industrial & Engineering Chemistry Research, 2021, 60, 18707-18721.	3.7	5
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