

Barbara G Pawelec

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168
papers

6,837
citations

46
h-index

74
g-index

177
ext. papers

7,531
ext. citations

7.5
avg, IF

5.83
L-index

#	Paper	IF	Citations
168	Elucidating the mechanisms of titanium-induced morphological and structural changes in catalysts on mesoporous Al ₂ O ₃ /TiO _x mixed oxides: Effect of nonstoichiometric TiO _x phase. <i>Microporous and Mesoporous Materials</i> , 2022 , 339, 111991	5.3	0
167	Catalysts for the Conversion of CO to Low Molecular Weight Olefins-A Review. <i>Materials</i> , 2021 , 14,	3.5	4
166	Direct Synthesis of Dimethyl Ether from CO ₂ : Recent Advances in Bifunctional/Hybrid Catalytic Systems. <i>Catalysts</i> , 2021 , 11, 411	4	13
165	Effect of sulfidation pressure on the structure and activity of Ni(CyDTA)W/Al ₂ O ₃ hydrodesulfurization catalysts. <i>Catalysis Today</i> , 2021 , 377, 92-99	5.3	3
164	Dibenzothiophene hydrodesulfurization over ternary metallic NiMoW/Ti-HMS mesoporous catalysts. <i>Catalysis Communications</i> , 2021 , 148, 106162	3.2	6
163	Positive phosphorous effect during co-processing of pyrolysis bio-oils and S-content model compounds over sulfide NiMo/P/HMS-Al catalysts. <i>Fuel Processing Technology</i> , 2021 , 211, 106599	7.2	2
162	Effect of the titanium incorporation method on the morphology and HDS activity of supported ternary NiMoW/SBA-16 catalysts. <i>Microporous and Mesoporous Materials</i> , 2021 , 312, 110779	5.3	4
161	The use of inorganic Al-HMS as a support for NiMoW sulfide HDS catalysts. <i>Inorganica Chimica Acta</i> , 2021 , 524, 120450	2.7	1
160	Structural, Optical and Photocatalytic Characterization of ZnxCd _{1-x} S Solid Solutions Synthesized Using a Simple Ultrasonic Radiation Method. <i>Energies</i> , 2020 , 13, 5603	3.1	1
159	SBA-16 Cage-Like Porous Material Modified with APTES as an Adsorbent for Pb Ions Removal from Aqueous Solution. <i>Materials</i> , 2020 , 13,	3.5	7
158	Noble metals supported on binary Al ₂ O ₃ -Ga ₂ O ₃ oxide as potential low-temperature water-gas shift catalysts. <i>Fuel</i> , 2020 , 266, 117031	7.1	10
157	Factors influencing selectivity in the liquid-phase phenol hydrodeoxygenation over ZSM-5 supported Pt/Ir and Pt+Ir catalysts. <i>Molecular Catalysis</i> , 2020 , 482, 110669	3.3	1
156	Direct Synthesis of Dimethyl Ether from Syngas on Bifunctional Hybrid Catalysts Based on Supported H ₃ PW ₁₂ O ₄₀ and Cu-ZnO(Al): Effect of Heteropolyacid Loading on Hybrid Structure and Catalytic Activity. <i>Catalysts</i> , 2020 , 10, 1071	4	3
155	Characterization of none and yttrium-modified Ni-based catalysts for dry reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2020 , 278, 119335	21.8	19
154	Unravelling the Structural Modification (Meso-Nano-) of Cu/ZnO-Al ₂ O ₃ Catalysts for Methanol Synthesis by the Residual NaNO ₃ in Hydroxycarbonate Precursors. <i>Catalysts</i> , 2020 , 10, 1346	4	0
153	Structure and activity of Cu/ZnO catalysts co-modified with aluminium and gallium for methanol synthesis. <i>Catalysis Today</i> , 2020 , 355, 870-881	5.3	10
152	Data on TGA of precursors and SEM of reduced Cu/ZnO catalysts co-modified with aluminium and gallium for methanol synthesis. <i>Data in Brief</i> , 2019 , 24, 104010	1.2	3

151	Synergetic effect in Ru _x Mo _(1-x) S ₂ /SBA-15 hydrodesulfurization catalysts: Comparative experimental and DFT studies. <i>Applied Catalysis B: Environmental</i> , 2019 , 251, 143-153	21.8	6
150	Trimetallic Ru _x MoNi Catalysts Supported on SBA-15 for the Hydrodesulfurization of Dibenzothiophene. <i>International Journal of Chemical Reactor Engineering</i> , 2019 , 17,	1.2	1
149	Methanol Synthesis from CO: A Review of the Latest Developments in Heterogeneous Catalysis. <i>Materials</i> , 2019 , 12,	3.5	68
148	Influence of calcination on metallic dispersion and support interactions for NiRu/TiO ₂ catalyst in the hydrodeoxygenation of phenol. <i>Catalysis Today</i> , 2019 , 329, 149-155	5.3	14
147	Gold catalysts supported on TiO ₂ -nanotubes for the selective hydrogenation of p -substituted nitrobenzenes. <i>Molecular Catalysis</i> , 2018 , 447, 21-27	3.3	28
146	Mo promoted Ni-Al ₂ O ₃ co-precipitated catalysts for green diesel production. <i>Applied Catalysis B: Environmental</i> , 2018 , 229, 139-154	21.8	60
145	Hydrogen storage in liquid hydrocarbons: Effect of platinum addition to partially reduced Mo-SiO ₂ catalysts. <i>Materials Chemistry and Physics</i> , 2018 , 209, 188-199	4.4	10
144	Enhancement of dibenzothiophene hydrodesulphurization via hydrogenation route on NiMoW catalyst supported on HMS modified with Ti. <i>Catalysis Today</i> , 2018 , 305, 65-74	5.3	7
143	Hydrodeoxygenation of phenol on bifunctional Ni-based catalysts: Effects of Mo promotion and support. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 147-160	21.8	47
142	CO Oxidation at 20 °C on Au Catalysts Supported on Mesoporous Silica: Effects of Support Structural Properties and Modifiers. <i>Materials</i> , 2018 , 11,	3.5	6
141	Structure and surface properties of ceria-modified Ni-based catalysts for hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018 , 225, 340-353	21.8	64
140	Characterizations and HDS performances of sulfided NiMoW catalysts supported on mesoporous titania-modified SBA-15. <i>Catalysis Today</i> , 2018 , 305, 152-161	5.3	14
139	Effect of partial Mo substitution by W on HDS activity using sulfide CoMoW/Al ₂ O ₃ /TiO ₂ catalysts. <i>Fuel</i> , 2018 , 233, 644-657	7.1	20
138	Support effect and metals interactions for NiRu/Al ₂ O ₃ , TiO ₂ and ZrO ₂ catalysts in the hydrodeoxygenation of phenol. <i>Catalysis Today</i> , 2017 , 296, 219-227	5.3	43
137	HDO activity of carbon-supported Rh, Ni and Mo-Ni catalysts. <i>Molecular Catalysis</i> , 2017 , 441, 209-220	3.3	34
136	Characterization and HDS activity of sulfided Co Mo W/SBA-16 catalysts: Effects of P addition and Mo/(Mo + W) ratio. <i>Fuel</i> , 2017 , 198, 145-158	7.1	29
135	Deep Hydrodesulfurization of Dibenzothiophenes Over NiW Sulfide Catalysts Supported on Sol-Gel Titania/Alumina. <i>Topics in Catalysis</i> , 2016 , 59, 241-251	2.3	12
134	Enhanced methylcyclohexane dehydrogenation to toluene over Ir/USY catalyst. <i>Catalysis Today</i> , 2016 , 259, 119-129	5.3	29

133	Competitive HDS and HDN reactions over NiMoS/HMS-Al catalysts: Diminishing of the inhibition of HDS reaction by support modification with P. <i>Applied Catalysis B: Environmental</i> , 2016 , 180, 569-579	21.8	47
132	Maleic anhydride hydrogenation to succinic anhydride over mesoporous Ni/TiO ₂ catalysts: Effects of Ni loading and temperature. <i>Journal of Molecular Catalysis A</i> , 2016 , 423, 441-448		18
131	Heterogeneous hydrogenation of nitroaromatic compounds on gold catalysts: Influence of titanium substitution in MCM-41 mesoporous supports. <i>Applied Catalysis A: General</i> , 2016 , 517, 110-119	5.1	17
130	Trimetallic Sulfide Catalysts for Hydrodesulfurization. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2016 , 240-262	0.2	2
129	Overview of Phosphorus Effect in Molybdenum-Based Hydrotreating Catalysts Supported on Ordered Mesoporous Siliceous Materials 2016 ,		1
128	Dehydrogenation of methylcyclohexane to toluene over partially reduced silica-supported Pt-Mo catalysts. <i>Journal of Molecular Catalysis A</i> , 2016 , 420, 96-106		51
127	Effect of Ir and Pt Addition on the HDO Performance of RuS ₂ /SBA-15 Sulfide Catalysts. <i>Topics in Catalysis</i> , 2015 , 58, 247-257	2.3	7
126	Dehydrogenation of methylcyclohexane to toluene over partially reduced MoBiO ₂ catalysts. <i>Applied Catalysis A: General</i> , 2015 , 502, 329-339	5.1	40
125	Ortho-xylene hydroisomerization under pressure on HMS-Ti mesoporous silica decorated with Ga ₂ O ₃ nanoparticles. <i>Fuel</i> , 2015 , 158, 405-415	7.1	10
124	Effects of pH and chelating agent on the NiWS phase formation in NiW/Al ₂ O ₃ HDS catalysts. <i>Materials Chemistry and Physics</i> , 2015 , 166, 105-115	4.4	29
123	Synthesis and characterization of Ga-modified Ti-HMS oxide materials with varying Ga content. <i>Journal of Molecular Catalysis A</i> , 2015 , 397, 26-35		22
122	Insight of 1D Al ₂ O ₃ nanorods decoration by NiWS nanoslabs in ultra-deep hydrodesulfurization catalyst. <i>Journal of Catalysis</i> , 2015 , 321, 51-61	7.3	36
121	Characterization and HDS performance of sulfided CoMoW catalysts supported on mesoporous Al-SBA-16 substrates. <i>Fuel</i> , 2015 , 149, 149-161	7.1	46
120	Hydrodesulfurization enhancement of heavy and light S-hydrocarbons on NiMo/HMS catalysts modified with Al and P. <i>Applied Catalysis A: General</i> , 2014 , 484, 108-121	5.1	30
119	The use of a natural Mexican zeolite as support of NiMoW sulphide hydrotreating catalysts. <i>Catalysis Today</i> , 2014 , 220-222, 301-309	5.3	7
118	Chemoselective hydrogenation of o-, p- and m-chloronitrobenzene at ambient temperature on Au/Fe ₂ O ₃ catalysts. <i>Applied Catalysis A: General</i> , 2014 , 482, 127-136	5.1	30
117	CHAPTER 8:Hydrodeoxygenation of Biomass-Derived Liquids over Transition-Metal-Sulfide Catalysts. <i>RSC Energy and Environment Series</i> , 2014 , 174-203	0.6	2
116	Enhancement of phenol hydrodeoxygenation over Pd catalysts supported on mixed HY zeolite and Al ₂ O ₃ . An approach to O-removal from bio-oils. <i>Fuel</i> , 2014 , 117, 1061-1073	7.1	102

115	Renewable Syngas Production via Dry Reforming of Methane. <i>Green Energy and Technology</i> , 2013 , 45-66	0.6	3
114	Cd _{1-x} Zn _x S supported on SBA-16 as photocatalysts for water splitting under visible light: Influence of Zn concentration. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 11799-11810	6.7	19
113	Effect of the acidity of alumina over Pt, Pd, and Pt/Pd (1:1) based catalysts for 2-propanol dehydration reactions. <i>Fuel</i> , 2013 , 105, 688-694	7.1	9
112	TiO ₂ /DMS-1 disordered mesoporous silica system: Structural characteristics and methylene blue photodegradation activity. <i>Microporous and Mesoporous Materials</i> , 2013 , 170, 181-188	5.3	10
111	Microwave-assisted synthesis of (S)Fe/TiO ₂ systems: Effects of synthesis conditions and dopant concentration on photoactivity. <i>Applied Catalysis B: Environmental</i> , 2013 , 140-141, 213-224	21.8	28
110	Removal of refractory S-containing compounds from liquid fuels over P-loaded NiMoW/SBA-16 sulfide catalysts. <i>Fuel</i> , 2013 , 103, 321-333	7.1	35
109	SBA-15 Mesoporous Silica as Catalytic Support for Hydrodesulfurization Catalysts-Review. <i>Materials</i> , 2013 , 6, 4139-4167	3.5	141
108	Comparison of the morphology and HDS activity of ternary Ni(Co)-Mo-W catalysts supported on Al-HMS and Al-SBA-16 substrates. <i>Applied Catalysis B: Environmental</i> , 2012 , 125, 473-485	21.8	58
107	Adsorption of lead (II) on SBA-15 mesoporous molecular sieve functionalized with -NH ₂ groups. <i>Microporous and Mesoporous Materials</i> , 2012 , 160, 133-142	5.3	135
106	Cd _{1-x} Zn _x S solid solutions supported on ordered mesoporous silica (SBA-15): Structural features and photocatalytic activity under visible light. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 9948-9958	6.7	31
105	Ni-based catalysts for reforming of methane with CO ₂ . <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 15966-15975	6.7	133
104	Designing supported ZnNi catalysts for the removal of oxygen from bio-liquids and aromatics from diesel. <i>Green Chemistry</i> , 2012 , 14, 2759	10	25
103	Effect of gallium loading on the hydrodesulfurization activity of unsupported Ga ₂ S ₃ /WS ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2012 , 111-112, 10-19	21.8	42
102	Simultaneous hydrodesulfurization and hydrodenitrogenation on MoP/SiO ₂ catalysts: Effect of catalyst preparation method. <i>Applied Catalysis B: Environmental</i> , 2012 , 113-114, 87-99	21.8	38
101	Structure and surface properties of praseodymium modified alumina. <i>Applied Surface Science</i> , 2011 , 258, 278-284	6.7	18
100	CO oxidation at 20 °C over Au/SBA-15 catalysts decorated by Fe ₂ O ₃ nanoparticles. <i>Catalysis Communications</i> , 2011 , 15, 108-112	3.2	17
99	Methylene blue photodegradation over titania-decorated SBA-15. <i>Applied Catalysis B: Environmental</i> , 2011 , 110, 108-117	21.8	87
98	Biogas reforming over bimetallic PdNi catalysts supported on phosphorus-modified alumina. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 10635-10647	6.7	40

97	Hydrogenolysis of anisole over mesoporous sulfided CoMoW/SBA-15(16) catalysts. <i>Catalysis Today</i> , 2011 , 172, 103-110	5.3	67
96	Total CO oxidation over Fe-containing Au/HMS catalysts: Effects of gold loading and catalyst pretreatment. <i>Catalysis Today</i> , 2011 , 172, 95-102	5.3	13
95	Role of Cs on Hydrodesulfurization Activity of RuS ₂ Catalysts Supported on a Mesoporous SBA-15 Type Material. <i>ACS Catalysis</i> , 2011 , 1, 175-186	13.1	16
94	Inhibition of CoMo/HMS catalyst deactivation in the HDS of 4,6-DMDBT by support modification with phosphate. <i>Fuel</i> , 2011 , 90, 2726-2737	7.1	49
93	Insights into the coke deposited on HZSM-5, H β and HY zeolites during the cracking of polyethylene. <i>Applied Catalysis B: Environmental</i> , 2011 , 104, 91-100	21.8	160
92	Hydrodesulfurization-Hydrogenation of Ni-Containing Ultrastable HY Zeolites. <i>Bulletin Des Sociétés Chimiques Belges</i> , 2010 , 100, 915-921		10
91	HDS AND HDN ACTIVITY AND CHARACTERIZATION OF NiMo-USY ZEOLITE CATALYSTS. <i>Bulletin Des Sociétés Chimiques Belges</i> , 2010 , 104, 197-204		13
90	Ni ₂ P and CoP catalysts prepared from phosphite-type precursors for HDS/HDN competitive reactions. <i>Applied Catalysis A: General</i> , 2010 , 390, 253-263	5.1	83
89	Synergy effect in the HDO of phenol over NiW catalysts supported on active carbon: Effect of tungsten precursors. <i>Applied Catalysis B: Environmental</i> , 2010 , 101, 1-12	21.8	159
88	Supported gold catalysts in SBA-15 modified with TiO ₂ for oxidation of carbon monoxide. <i>Applied Catalysis A: General</i> , 2010 , 375, 37-48	5.1	49
87	SBA-15-supported gold nanoparticles decorated by CeO ₂ : Structural characteristics and CO oxidation activity. <i>Applied Catalysis A: General</i> , 2010 , 381, 42-53	5.1	55
86	Post-synthesis alumination of MCM-41: Effect of the acidity on the HDS activity of supported Pd catalysts. <i>Applied Catalysis A: General</i> , 2010 , 383, 211-216	5.1	35
85	Preferential CO oxidation in excess of hydrogen over Au/HMS catalysts modified by Ce, Fe and Ti oxides. <i>Applied Catalysis B: Environmental</i> , 2010 , 100, 450-462	21.8	34
84	Effect of hydrogen on the cracking mechanisms of cycloalkanes over zeolites. <i>Catalysis Today</i> , 2010 , 150, 363-367	5.3	12
83	Enhancement of biphenyl hydrogenation over gold catalysts supported on Fe-, Ce- and Ti-modified mesoporous silica (HMS). <i>Journal of Catalysis</i> , 2009 , 267, 30-39	7.3	41
82	Comparison of the morphology and reactivity in HDS of CoMo/HMS, CoMo/P/HMS and CoMo/SBA-15 catalysts. <i>Microporous and Mesoporous Materials</i> , 2009 , 118, 189-201	5.3	46
81	Hydrodesulfurization of dibenzothiophene and a SRGO on sulfide Ni(Co)Mo/Al ₂ O ₃ catalysts. Effect of Ru and Pd promotion. <i>Catalysis Today</i> , 2009 , 143, 108-114	5.3	27
80	Effect of the support acidity on the aromatic ring-opening of pyrolysis gasoline over Pt/HZSM-5 catalysts. <i>Catalysis Today</i> , 2009 , 143, 115-119	5.3	30

79	CO oxidation on Au nanoparticles supported on wormhole HMS material: Effect of support modification with CeO ₂ . <i>Applied Catalysis B: Environmental</i> , 2009 , 89, 128-136	21.8	41
78	Upgrading of bio-liquids on different mesoporous silica-supported CoMo catalysts. <i>Applied Catalysis B: Environmental</i> , 2009 , 92, 154-167	21.8	132
77	MCM-41 supported PdNi catalysts for dry reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2009 , 92, 250-261	21.8	124
76	Methyl ethyl ketone combustion over La-transition metal (Cr, Co, Ni, Mn) perovskites. <i>Applied Catalysis B: Environmental</i> , 2009 , 92, 445-453	21.8	45
75	The effect of CeO ₂ on the surface and catalytic properties of Pt/CeO ₂ /ZrO ₂ catalysts for methane dry reforming. <i>Applied Catalysis B: Environmental</i> , 2009 , 89, 149-159	21.8	188
74	Comparison of the morphology and HDS activity of ternary Co-Mo-W catalysts supported on P-modified SBA-15 and SBA-16 substrates. <i>Applied Catalysis B: Environmental</i> , 2009 , 92, 168-184	21.8	98
73	Role of the Ru and Support in Sulfided RuNiMo Catalysts in Simultaneous Hydrodearomatization (HDA), Hydrodesulfurization (HDS), and Hydrodenitrogenation (HDN) Reactions. <i>Energy & Fuels</i> , 2009 , 23, 1364-1372	4.1	15
72	Kinetic Modeling for Assessing the Product Distribution in Toluene Hydrocracking on a Pt/HZSM-5 Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 1043-1050	3.9	21
71	Highlights from a Development Process of Cetane-Enhancing Catalysts. <i>Energy & Fuels</i> , 2008 , 22, 2138-2148	4.1	5
70	The Role of Zeolite Acidity in Coupled Toluene Hydrogenation and Ring Opening in One and Two Steps. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 665-671	3.9	13
69	Morphological investigation of nanostructured CoMo catalysts. <i>Applied Surface Science</i> , 2008 , 254, 4092-4102	4.7	28
68	Influence of reduction temperature and metal loading on the performance of molybdenum phosphide catalysts for dibenzothiophene hydrodesulfurization. <i>Applied Catalysis A: General</i> , 2008 , 334, 330-338	5.1	31
67	Study of the surface and redox properties of ceria/zirconia oxides. <i>Applied Catalysis A: General</i> , 2008 , 337, 86-96	5.1	188
66	Influence of the acidity of nanostructured CoMo/P/Ti-HMS catalysts on the HDS of 4,6-DMDBT reaction pathways. <i>Applied Catalysis B: Environmental</i> , 2008 , 80, 1-14	21.8	50
65	Kinetic modelling of methylcyclohexane ring-opening over a HZSM-5 zeolite catalyst. <i>Chemical Engineering Journal</i> , 2008 , 140, 287-295	14.7	21
64	Impact of preparation method and support modification on the activity of mesoporous hydrotreating CoMo catalysts. <i>Applied Catalysis A: General</i> , 2008 , 348, 30-41	5.1	22
63	Catalytic behaviour of bifunctional pumice-supported and zeolite/pumice hybrid catalysts for n-pentane hydroisomerization. <i>Applied Catalysis A: General</i> , 2008 , 350, 38-45	5.1	12
62	Effect of Al and Ti content in HMS material on the catalytic activity of NiMo and CoMo hydrotreating catalysts in the HDS of DBT. <i>Microporous and Mesoporous Materials</i> , 2008 , 111, 157-170	5.3	40

61	Synthesis and characterization of P-modified mesoporous CoMo/HMS/Ti catalysts. <i>Microporous and Mesoporous Materials</i> , 2008 , 111, 493-506	5.3	39
60	Preparation, Characterization, and Performance of Alumina-Supported Nanostructured MoPhosphide Systems. <i>Chemistry of Materials</i> , 2007 , 19, 5627-5636	9.6	32
59	Kinetic Model Discrimination for Toluene Hydrogenation over Noble-Metal-Supported Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 7417-7425	3.9	17
58	Effect of the support on the kinetic and deactivation performance of Pt/support catalysts during coupled hydrogenation and ring-opening of pyrolysis gasoline. <i>Applied Catalysis A: General</i> , 2007 , 333, 161-171	5.1	23
57	CoMo/Ti-SBA-15 catalysts for dibenzothiophene desulfurization. <i>Catalysis Today</i> , 2007 , 127, 70-84	5.3	96
56	Factors influencing the thioresistance of nickel catalysts in aromatics hydrogenation. <i>Applied Catalysis A: General</i> , 2007 , 317, 20-33	5.1	29
55	Influence of the preparation method on the activity of phosphate-containing CoMo/HMS catalysts in deep hydrodesulfurization. <i>Applied Catalysis A: General</i> , 2007 , 321, 58-70	5.1	44
54	Effect of the modified support γ -Al ₂ O ₃ -CaO on the structure and hydrodesulfurization activity of Mo and Ni-Mo catalysts. <i>Applied Catalysis A: General</i> , 2007 , 328, 201-209	5.1	25
53	Enhancement of pyrolysis gasoline hydrogenation over Pd-promoted Ni/SiO ₂ -Al ₂ O ₃ catalysts. <i>Fuel</i> , 2007 , 86, 2262-2274	7.1	59
52	Removal of refractory S-containing compounds from liquid fuels on novel bifunctional CoMo/HMS catalysts modified with Ti. <i>Applied Catalysis B: Environmental</i> , 2007 , 71, 223-236	21.8	49
51	Promoting effect of Pt in Ni-based catalysts for CH ₄ reforming. <i>Reaction Kinetics and Catalysis Letters</i> , 2007 , 91, 241-248		12
50	Effect of stacking of MoS ₂ slabs on catalytic performance of supported CoMo-catalysts in hydrodesulfurization of dibenzothiophene. <i>Materials Research Innovations</i> , 2007 , 11, 54-59	1.9	8
49	Structural and surface features of PtNi catalysts for reforming of methane with CO ₂ . <i>Applied Catalysis A: General</i> , 2007 , 323, 188-201	5.1	181
48	Enhancement of naphthalene hydrogenation over PtPd/SiO ₂ -Al ₂ O ₃ catalyst modified by gold. <i>Journal of Molecular Catalysis A</i> , 2006 , 253, 30-43		37
47	Effect of Ti on the catalytic properties of CoMo/Ti(x)-HMS catalysts in the reaction of hydrodesulfurization of 4-ethyl-6-methyl dibenzothiophene. <i>Journal of Catalysis</i> , 2006 , 242, 254-269	7.3	54
46	Hydrodesulfurization of dibenzothiophene over CoMo/HMS and CoMo/Ti-HMS catalysts. <i>Catalysis Communications</i> , 2006 , 7, 33-41	3.2	48
45	On the origin of the high performance of MWNT-supported PtPd catalysts for the hydrogenation of aromatics. <i>Carbon</i> , 2006 , 44, 84-98	10.4	88
44	Catalytic ring opening of naphthenic structures. <i>Applied Catalysis A: General</i> , 2006 , 299, 14-29	5.1	19

43	Aromatics reduction of pyrolysis gasoline (PyGas) over HY-supported transition metal catalysts. <i>Applied Catalysis A: General</i> , 2006 , 315, 101-113	5.1	39
42	Removal of PAH compounds from liquid fuels by Pd catalysts. <i>Environmental Science & Technology</i> , 2005 , 39, 3374-81	10.3	25
41	Synthesis and Characterization of Ti-HMS and CoMo/Ti-HMS Oxide Materials with Varying Ti Content. <i>Chemistry of Materials</i> , 2005 , 17, 4062-4073	9.6	70
40	Factors influencing selectivity in naphthalene hydrogenation over Au- and Pt/Au-supported catalysts. <i>Applied Catalysis A: General</i> , 2005 , 283, 165-175	5.1	37
39	Catalysts based on Co/zirconium doped mesoporous silica MSU for the hydrogenation and hydrogenolysis/hydrocracking of tetralin. <i>Applied Catalysis A: General</i> , 2005 , 286, 239-248	5.1	28
38	AuPd alloy formation in Au-Pd/Al ₂ O ₃ catalysts and its role on aromatics hydrogenation. <i>Applied Surface Science</i> , 2005 , 242, 380-391	6.7	98
37	Synthesis and Characterization of Ti-HMS and CoMo/Ti-HMS Oxide Materials with Varying Ti Content.. <i>ChemInform</i> , 2005 , 36, no		1
36	Formaldehyde/methanol combustion on alumina-supported manganese-palladium oxide catalyst. <i>Applied Catalysis B: Environmental</i> , 2004 , 51, 83-91	21.8	120
35	Hydrogenation of aromatics over Au-Pd/SiO ₂ -Al ₂ O ₃ catalysts; support acidity effect. <i>Applied Catalysis A: General</i> , 2004 , 264, 43-51	5.1	125
34	HDS of dibenzothiophene over polyphosphates supported on mesoporous silica. <i>Journal of Catalysis</i> , 2004 , 223, 86-97	7.3	67
33	Deep aromatics hydrogenation in the presence of DBT over AuPd/Alumina catalysts. <i>Applied Catalysis A: General</i> , 2004 , 275, 127-139	5.1	42
32	Simultaneous 1-pentene hydroisomerisation and thiophene hydrodesulphurisation over sulphided Ni/FAU and Ni/ZSM-5 catalysts. <i>Applied Catalysis A: General</i> , 2004 , 262, 155-166	5.1	46
31	Modification of the Pd/SiO ₂ -Al ₂ O ₃ catalyst's thioresistance by the addition of a second metal (Pt, Ru, and Ni). <i>Catalysis Communications</i> , 2004 , 5, 173-178	3.2	21
30	Synergetic effect of gold in Au/Pd catalysts during hydrodesulfurization reactions of model compounds. <i>Journal of Catalysis</i> , 2003 , 215, 317-325	7.3	151
29	Hydrodesulfurization and hydrogenation of model compounds on silica/alumina supported bimetallic systems?. <i>Fuel</i> , 2003 , 82, 501-509	7.1	41
28	Silica/alumina-supported transition metal sulphide catalysts for deep hydrodesulphurization. <i>Catalysis Today</i> , 2003 , 86, 73-85	5.3	31
27	Aromatics hydrogenation on silica/alumina supported palladium/nickel catalysts. <i>Applied Catalysis A: General</i> , 2003 , 242, 17-30	5.1	53
26	Evaluation of silica-alumina-supported nickel catalysts in dibenzothiophene hydrodesulphurisation. <i>Applied Catalysis A: General</i> , 2003 , 248, 211-225	5.1	27

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24	Hydrogenation of aromatics over supported Pt-Pd catalysts. <i>Applied Catalysis A: General</i> , 2002 , 225, 223-237		120
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19	Factors affecting Ni-sulfide formation in Y-type zeolites: a combined Fourier transform infrared and X-ray photoelectron spectroscopy study. <i>Microporous and Mesoporous Materials</i> , 2000 , 34, 181-194	5-3	26
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17	Hydrogenation of Aromatics on Sulfur-Resistant PtPd Bimetallic Catalysts. <i>Journal of Catalysis</i> , 2000 , 189, 184-194	7-3	185
16	Dibenzothiophene hydrodesulfurization on HY-zeolite-supported transition metal sulfide catalysts. <i>Fuel Processing Technology</i> , 1999 , 61, 73-88	7-2	35
15	Studies of molybdenum sulfide catalyst ex ammonium tetrathiomolybdate: effect of pretreatment on hydrodesulfurization of dibenzothiophene. <i>Applied Catalysis A: General</i> , 1998 , 168, 205-217	5-1	19
14	Surface properties and hydrocracking activity of NiMo zeolite catalysts. <i>Applied Catalysis A: General</i> , 1998 , 169, 37-53	5-1	19
13	Partial oxidation of methane to syngas over Ni-loaded ultrastable HY zeolite catalysts. <i>Studies in Surface Science and Catalysis</i> , 1997 , 441-446	1.8	4
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10	The effect of sulfidation on the Ni distribution in Ni/USY zeolites. <i>Zeolites</i> , 1997 , 18, 250-259		15
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7	Dibenzothiophene hydrodesulfurization on silica-alumina-supported transition metal sulfide catalysts. <i>Applied Catalysis A: General</i> , 1996 , 148, 23-40	5.1	39
6	Advanced catalysts for coal-derived liquids hydrotreating via acidic supports. <i>Coal Science and Technology</i> , 1995 , 24, 1287-1290		
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4	Mo-USY zeolites for hydrodesulphurization. <i>Applied Catalysis A: General</i> , 1993 , 99, 55-70	5.1	27
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