

# Martin Schmal

## List of Publications by Citations

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263  
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278  
ext. papers

6,677  
ext. citations

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L-index

#	Paper	IF	Citations
263	Characterization of ceria-coated alumina carrier. <i>Applied Catalysis A: General</i> , <b>2002</b> , 234, 271-282	5.1	253
262	Carbon formation and its influence on ethanol steam reforming over Ni/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Catalysis Today</i> , <b>2007</b> , 123, 257-264	5.3	195
261	Study of Ni and Pt catalysts supported on $\gamma$ -Al <sub>2</sub> O <sub>3</sub> and ZrO <sub>2</sub> applied in methane reforming with CO <sub>2</sub> . <i>Applied Catalysis A: General</i> , <b>2007</b> , 316, 175-183	5.1	170
260	Kinetics and reaction pathway of the CO <sub>2</sub> reforming of methane on Rh supported on lanthanum-based solid. <i>Journal of Catalysis</i> , <b>2007</b> , 245, 25-34	7.3	148
259	Reforming of Methane with Carbon Dioxide over Pt/ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Catalysts. <i>Journal of Catalysis</i> , <b>2001</b> , 204, 498-511	7.3	146
258	The role of Pd precursors in the oxidation of carbon monoxide over Pd/Al <sub>2</sub> O <sub>3</sub> and Pd/CeO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Catalysis Today</i> , <b>2001</b> , 65, 77-89	5.3	118
257	Characterization of carbon supported palladium catalysts: inference of electronic and particle size effects using reaction probes. <i>Applied Catalysis A: General</i> , <b>2004</b> , 277, 71-81	5.1	111
256	Characterization and Catalytic Activity of Bimetallic Pt-In/Al <sub>2</sub> O <sub>3</sub> and Pt-Sn/Al <sub>2</sub> O <sub>3</sub> Catalysts. <i>Journal of Catalysis</i> , <b>1998</b> , 178, 478-488	7.3	101
255	Autothermal reforming of methane over Pt/ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Applied Catalysis A: General</i> , <b>2005</b> , 281, 19-24	5.1	98
254	Preparation and characterization of a model bimetallic catalyst: Co-Pd nanoparticles supported on Al <sub>2</sub> O <sub>3</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 4073-6	16.4	88
253	Methane oxidation [Effect of support, precursor and pretreatment conditions] In situ reaction XPS and DRIFT. <i>Catalysis Today</i> , <b>2006</b> , 118, 392-401	5.3	76
252	Copper as promoter of the NiO/CeO <sub>2</sub> catalyst in the preferential CO oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 182, 257-265	21.8	75
251	The behavior of Cu/ZSM-5 in the oxide and reduced form in the presence of NO and methanol. <i>Applied Catalysis A: General</i> , <b>2000</b> , 193, 265-276	5.1	74
250	Characterization of Pd/CeO <sub>2</sub> interaction on alumina support and hydrogenation of 1,3-butadiene. <i>Applied Catalysis A: General</i> , <b>1995</b> , 131, 89-106	5.1	72
249	Effect of In and Sn on the Adsorption Behavior and Hydrogenolysis Activity of Pt/Al <sub>2</sub> O <sub>3</sub> Catalysts. <i>Journal of Catalysis</i> , <b>1996</b> , 160, 106-117	7.3	71
248	Niobium Carbide Synthesis from Niobium Oxide: Study of the Synthesis Conditions, Kinetics, and Solid-State Transformation Mechanism. <i>Journal of Solid State Chemistry</i> , <b>1996</b> , 123, 168-182	3.3	70
247	The cyclohexanol dehydrogenation on Rh/CuAl <sub>2</sub> O <sub>3</sub> catalysts Part 1. Characterization of the catalyst. <i>Applied Catalysis A: General</i> , <b>1997</b> , 151, 393-408	5.1	69

246	Characterization of palladium-copper bimetallic catalysts supported on silica and niobia. <i>Applied Catalysis</i> , <b>1991</b> , 78, 125-139		69
245	The promoting effect of Nb <sub>2</sub> O <sub>5</sub> addition to Pd/Al <sub>2</sub> O <sub>3</sub> catalysts on propane oxidation. <i>Catalysis Today</i> , <b>2000</b> , 57, 275-282	5.3	68
244	The CO <sub>2</sub> /CeO <sub>2</sub> interaction and its role in the CeO <sub>2</sub> reactivity. <i>Catalysis Letters</i> , <b>1998</b> , 56, 199-202	2.8	66
243	Combination of carbon dioxide reforming and partial oxidation of methane over supported platinum catalysts. <i>Applied Catalysis A: General</i> , <b>2003</b> , 255, 83-92	5.1	66
242	Synthesis of NiAl <sub>2</sub> O <sub>4</sub> with high surface area as precursor of Ni nanoparticles for hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 11725-11732	6.7	64
241	Thermal Spreading of MoO <sub>3</sub> onto Silica Supports. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 6584-6590	3.4	64
240	Structural investigation of LaCoO <sub>3</sub> and LaCoCuO <sub>3</sub> perovskite-type oxides and the effect of Cu on coke deposition in the partial oxidation of methane. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 117-118, 156-166	21.8	62
239	Influence of the support in selective CO oxidation on Pt catalysts for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , <b>2007</b> , 32, 425-429	6.7	55
238	Activation of supported nickel catalysts for carbon dioxide reforming of methane. <i>Applied Catalysis A: General</i> , <b>2004</b> , 272, 133-139	5.1	55
237	Stability and selectivity of bimetallic Cu <sub>2</sub> O/SiO <sub>2</sub> catalysts for cyclohexanol dehydrogenation. <i>Applied Catalysis A: General</i> , <b>1999</b> , 176, 205-212	5.1	53
236	Pd-xMo/Al <sub>2</sub> O <sub>3</sub> Catalysts for NO Reduction by CO. <i>Journal of Catalysis</i> , <b>1999</b> , 185, 138-151	7.3	53
235	CO and NO Adsorption on Alumina-Pd/Mo Catalysts: Effect of the Precursor Salts. <i>Journal of Catalysis</i> , <b>1999</b> , 188, 270-280	7.3	53
234	Pt/TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Catalyst. <i>Journal of Catalysis</i> , <b>1999</b> , 183, 6-13	7.3	49
233	Synthesis of CeO <sub>2</sub> and CeZrO <sub>2</sub> mixed oxide nanostructured catalysts for the iso-syntheses reaction. <i>Applied Catalysis A: General</i> , <b>2013</b> , 450, 131-142	5.1	48
232	A Method for Accurate Quantitative XPS Analysis of Multimetallic or Multiphase Catalysts on Support Particles. <i>Journal of Catalysis</i> , <b>1995</b> , 157, 133-144	7.3	48
231	Diesel soot combustion on Mo/Al <sub>2</sub> O <sub>3</sub> and V/Al <sub>2</sub> O <sub>3</sub> catalysts: investigation of the active catalytic species. <i>Journal of Catalysis</i> , <b>2004</b> , 223, 114-121	7.3	46
230	Kinetics of coal gasification. <i>Industrial &amp; Engineering Chemistry Process Design and Development</i> , <b>1982</b> , 21, 256-266		46
229	Fischer-Tropsch synthesis on anchored Co/Nb <sub>2</sub> O <sub>5</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts: the nature of the surface and the effect on chain growth. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 9155-63	3.4	45

228	Alumina-supported LaCoO <sub>3</sub> perovskite for selective CO oxidation (SELOX). <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 5022-5031	6.7	44
227	Surface Sites of Pd/CeO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Catalysts in the Partial Oxidation of Propane. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 4311-4319	3.4	43
226	The cyclohexanol dehydrogenation on RhCu/Al <sub>2</sub> O <sub>3</sub> catalysts: 2. Chemisorption and reaction. <i>Applied Catalysis A: General</i> , <b>1997</b> , 163, 153-164	5.1	41
225	Selective CO oxidation in the presence of H <sub>2</sub> over Pt and Pt-Sn catalysts supported on niobia. <i>Journal of Power Sources</i> , <b>2006</b> , 158, 504-508	8.9	41
224	Investigation of LaCoO <sub>3</sub> , LaFeO <sub>3</sub> and LaCo <sub>0.5</sub> Fe <sub>0.5</sub> O <sub>3</sub> perovskites as catalyst precursors for syngas production by partial oxidation of methane. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 18178-18192	6.7	41
223	Cobalt ferrite nanoparticles for the preferential oxidation of CO. <i>Applied Catalysis A: General</i> , <b>2016</b> , 519, 139-145	5.1	40
222	Characterization of Niobia-Supported Palladium-Cobalt Catalysts. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 5478-5485	3.4	40
221	The chemistry of coke deposits formed on a Pt <sub>2</sub> Sn catalyst during dehydrogenation of n-alkanes to mono-olefins. <i>Fuel Processing Technology</i> , <b>1994</b> , 41, 13-25	7.2	40
220	Activation and Regeneration of a NiMo/Al <sub>2</sub> O <sub>3</sub> Hydrotreatment Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1994</b> , 33, 1692-1699	3.9	40
219	Investigating the microstructure and catalytic properties of Ni/YSZ cermets as anodes for SOFC applications. <i>Applied Catalysis A: General</i> , <b>2009</b> , 353, 305-309	5.1	39
218	Ammonium complex of niobium as a precursor for the preparation of Nb <sub>2</sub> O <sub>5</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Catalysis Today</i> , <b>2003</b> , 78, 449-458	5.3	39
217	Quantitative XPS analysis of silica-supported Cu <sub>2</sub> O oxides. <i>Applied Surface Science</i> , <b>2000</b> , 157, 159-166	6.7	39
216	Combustion synthesis of copper catalysts for selective CO oxidation. <i>Journal of Power Sources</i> , <b>2008</b> , 179, 329-334	8.9	38
215	Ligand and Geometric Effects on Pt/Nb <sub>2</sub> O <sub>5</sub> and Pt <sub>2</sub> Nb/Nb <sub>2</sub> O <sub>5</sub> Catalysts. <i>Journal of Catalysis</i> , <b>1997</b> , 171, 398-405	7.3	37
214	Kinetic Studies of the Dry Reforming of Methane over the Rh/La <sub>2</sub> O <sub>3</sub> BiO <sub>2</sub> Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2007</b> , 46, 7543-7549	3.9	37
213	Study of the active phase of silver catalysts for ethylene epoxidation. <i>Journal of Catalysis</i> , <b>2007</b> , 248, 124-129	7.3	37
212	Selective CO oxidation with nano gold particles-based catalysts over Al <sub>2</sub> O <sub>3</sub> and ZrO <sub>2</sub> . <i>Applied Catalysis A: General</i> , <b>2008</b> , 347, 62-71	5.1	37
211	Influence of acid sites on the hydrodeoxygenation of anisole with metal supported on SBA-15 and SAPO-11. <i>Renewable Energy</i> , <b>2018</b> , 119, 615-624	8.1	35

210	In situ characterizations of Pd/Al <sub>2</sub> O <sub>3</sub> and Pd/CeO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts for oxidative steam reforming of propane. <i>Applied Catalysis B: Environmental</i> , <b>2009</b> , 92, 217-224	21.8	35
209	Partial oxidation of ethanol over cobalt oxide based cordierite monolith catalyst. <i>Applied Catalysis B: Environmental</i> , <b>2010</b> , 96, 1-9	21.8	35
208	Effect of preparation method on the properties of Nb <sub>2</sub> O <sub>5</sub> promoted platinum catalysts. <i>Catalysis Today</i> , <b>1998</b> , 43, 3-9	5.3	34
207	Autothermal reforming of propane for hydrogen production over Pd/CeO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 85, 77-85	21.8	34
206	Determination of cobalt species in niobia supported catalysts. <i>Physical Chemistry Chemical Physics</i> , <b>1999</b> , 1, 2861-2867	3.6	34
205	Characterization and dehydrogenation activity of Pt/Nb <sub>2</sub> O <sub>5</sub> catalysts. <i>Catalysis Today</i> , <b>1996</b> , 28, 119-125	5.3	34
204	The promoting effect of noble metal addition on niobia-supported cobalt catalysts. <i>Catalysis Today</i> , <b>1996</b> , 28, 147-157	5.3	34
203	Characterization of Graphite-Supported Palladium-Cobalt Catalysts by Temperature-Programmed Reduction and Magnetic Measurements. <i>Journal of Catalysis</i> , <b>1997</b> , 168, 42-50	7.3	33
202	Oxidation of Alumina-Supported Co and CoPd Model Catalysts for the Fischer-Tropsch Reaction. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 8566-8572	3.8	33
201	Characterization of Cr <sup>2+</sup> and ethylene polymerization on Cr/SiO <sub>2</sub> catalysts. <i>Journal of Molecular Catalysis A</i> , <b>2001</b> , 169, 105-112		33
200	Synthesis of Niobium Carbide from Niobium Oxide Aerogels. <i>Chemistry of Materials</i> , <b>1995</b> , 7, 179-184	9.6	33
199	Effect of the support on the Fischer-Tropsch synthesis with Co/Nb <sub>2</sub> O <sub>5</sub> catalysts. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1993</b> , 89, 3975-3980		33
198	Ethanol reforming and partial oxidation with Cu/Nb <sub>2</sub> O <sub>5</sub> catalyst. <i>Catalysis Today</i> , <b>2009</b> , 142, 252-257	5.3	32
197	Selective CO oxidation reaction (SELOX) over cerium-doped LaCoO <sub>3</sub> perovskite catalysts. <i>Applied Catalysis A: General</i> , <b>2010</b> , 388, 216-224	5.1	32
196	Catalytic combustion of methane over palladium alumina modified by niobia. <i>Catalysis Communications</i> , <b>2006</b> , 7, 314-322	3.2	32
195	NO reduction with ethanol on PdMo/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Journal of Catalysis</i> , <b>2003</b> , 220, 358-371	7.3	32
194	A study of the promoting effect of noble metal addition on niobia and niobia alumina catalysts. <i>Catalysis Today</i> , <b>2000</b> , 57, 169-176	5.3	32
193	Preparation and characterization of well-ordered, thin niobia films on a metal substrate. <i>Surface Science</i> , <b>2005</b> , 599, 14-26	1.8	31

192	Particle and Phase Thicknesses from XPS Analysis of Supported Bimetallic Catalysts: Calcined Co-Rh/Nb <sub>2</sub> O <sub>5</sub> . <i>Journal of Catalysis</i> , <b>1995</b> , 152, 164-178	7.3	30
191	Characterization of Pt-Sn bimetallic catalysts supported on alumina and niobia. <i>Applied Catalysis A: General</i> , <b>1993</b> , 100, 77-84	5.1	30
190	LaCoO <sub>3</sub> perovskite on ceramic monoliths [Pre and post reaction analyzes of the partial oxidation of methane. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 13991-14007	6.7	29
189	Monodispersed and nanostructured Ni/SiO <sub>2</sub> catalyst and its activity for non oxidative methane activation. <i>Applied Catalysis A: General</i> , <b>2011</b> , 396, 159-169	5.1	29
188	Pt-Cr/ZSM-5 catalysts for propane and cyclohexane conversions. <i>Applied Catalysis A: General</i> , <b>2002</b> , 235, 139-147	5.1	29
187	Methane Conversion to Synthesis Gas by Partial Oxidation and CO <sub>2</sub> Reforming over Supported Platinum Catalysts. <i>Catalysis Letters</i> , <b>2003</b> , 91, 11-17	2.8	29
186	Synthesis and characterization of niobium oxide layers on silica and the interaction with nickel. <i>Applied Catalysis A: General</i> , <b>2000</b> , 197, 99-106	5.1	29
185	Stability of Ni and Rh/Ni catalysts derived from hydrotalcite-like precursors for the partial oxidation of methane. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 5616-5626	6.7	28
184	Nickel/alumina washcoating on monoliths for the partial oxidation of ethanol to hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 10709-10718	6.7	28
183	Coke Formation on Pt/ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Catalysts during CH <sub>4</sub> Reforming with CO <sub>2</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2002</b> , 41, 4681-4685	3.9	28
182	The Interaction of Oxides of the Pd/Ce/Zr/Al <sub>2</sub> O <sub>3</sub> Catalysts Prepared by Impregnation Over Alumina and Promoting Effects on Surface Properties. <i>Catalysis Letters</i> , <b>2010</b> , 137, 45-54	2.8	27
181	TPSR of CO hydrogenation on Co/Nb <sub>2</sub> O <sub>5</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Catalysis Today</i> , <b>2005</b> , 101, 45-50	5.3	27
180	Nanoparticles of Ce, Sr, Co in and out the multi-walled carbon nanotubes applied for dry reforming of methane. <i>Applied Catalysis A: General</i> , <b>2018</b> , 550, 297-307	5.1	27
179	Hydrodechlorination of dichlorodifluoromethane over palladium model catalysts and a comparison with the hydrodechlorination of 1,1-dichlorotetrafluoroethane. <i>Journal of Catalysis</i> , <b>2000</b> , 192, 423-431	7.3	25
178	Evidence of Alloy Formation during the Activation of Graphite-Supported Palladium-Cobalt Catalysts. <i>Journal of Catalysis</i> , <b>1999</b> , 186, 20-30	7.3	25
177	Nanostructured metal oxides obtained by means polymerization-combustion at low temperature for CO selective oxidation. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 7458-7468	6.7	24
176	Pt/TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Catalyst*11. Dispersion of Platinum on Alumina-Grafted Titanium Oxide. <i>Journal of Catalysis</i> , <b>1999</b> , 183, 6-13	7.3	24
175	SMSI effect in the butadiene hydrogenation on Pd-Cu bimetallic catalysts. <i>Catalysis Today</i> , <b>1993</b> , 16, 407-415	3.5	24

174	Hydrogen production from ethylene glycol reforming catalyzed by Ni and NiPt hydrotalcite-derived catalysts. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 22000-22008	6.7	23
173	Drifts and TPD analyses of ethanol on Pt catalysts over Al <sub>2</sub> O <sub>3</sub> and ZrO <sub>2</sub> for partial oxidation of ethanol. <i>Canadian Journal of Chemical Engineering</i> , <b>2011</b> , 89, 1166-1175	2.3	23
172	Synthesis Gas Production from Natural Gas on Supported Pt Catalysts. <i>Journal of Natural Gas Chemistry</i> , <b>2006</b> , 15, 21-27		23
171	Methanol Decomposition on Pt/ZnO(0001) Zn Model Catalysts. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 9273-9279	3.4	23
170	Different vascular risk factor profiles among cortical infarcts, small deep infarcts, and primary intracerebral haemorrhage point to different types of underlying vasculopathy. A study from the LAquila Stroke Registry. <i>Cerebrovascular Diseases</i> , <b>1998</b> , 8, 14-9	3.2	23
169	Ethylene Adsorption on Al <sub>2</sub> O <sub>3</sub> -Supported Pt, PtSn, and PtIn Catalysts. <i>Journal of Catalysis</i> , <b>1996</b> , 160, 118-124	7.3	23
168	Methane activation on superacidic catalysts based on oxoanion modified zirconium oxide. <i>Applied Catalysis A: General</i> , <b>2006</b> , 308, 143-152	5.1	22
167	Catalytic CO hydrogenation on potassic Fe/zeolite LTL. <i>Applied Catalysis A: General</i> , <b>2002</b> , 230, 169-176	5.1	22
166	The calcination effects on Pt/HZSM-5 catalysts in the aromatization of propane. <i>Applied Catalysis A: General</i> , <b>2000</b> , 203, 275-284	5.1	22
165	Interaction between Pt and MoO <sub>3</sub> dispersed over alumina. <i>Applied Catalysis A: General</i> , <b>2000</b> , 190, 177-190	5.1	22
164	Adsorptive and Catalytic Properties of Alumina-Supported PdMo Catalysts. <i>Journal of Catalysis</i> , <b>2000</b> , 192, 64-76	7.3	22
163	Partial oxidation of ethanol on Cu/Alumina/cordierite monolith. <i>Catalysis Communications</i> , <b>2009</b> , 10, 1697-1701	3.2	20
162	Mössbauer and XPS spectroscopies studies of SMSI effect on Fe/Nb <sub>2</sub> O <sub>5</sub> catalysts for the Fischer-Tropsch synthesis. <i>Applied Catalysis A: General</i> , <b>2007</b> , 326, 113-119	5.1	20
161	Oxidation and reduction effects of propane-oxygen on Pdchlorine/alumina catalysts. <i>Catalysis Letters</i> , <b>2000</b> , 64, 163-169	2.8	20
160	Perspective of catalysts for (Tri) reforming of natural gas and flue gas rich in CO <sub>2</sub> . <i>Applied Catalysis A: General</i> , <b>2018</b> , 568, 23-42	5.1	20
159	A catalyst selection method for hydrogen production through Water-Gas Shift Reaction using artificial neural networks. <i>Journal of Environmental Management</i> , <b>2019</b> , 237, 585-594	7.9	19
158	Copper-based catalysts prepared from hydrotalcite precursors for shift reaction at low temperatures. <i>Catalysis Today</i> , <b>2008</b> , 133-135, 750-754	5.3	19
157	Strong metal support interaction on Co/niobia model catalysts. <i>Catalysis Letters</i> , <b>2006</b> , 111, 35-41	2.8	19

156	An Infrared Study of NO and CO Adsorption on Zeolite-Supported Ru and RuPt Catalysts. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 10303-10307	3.4	19
155	Carbon Monoxide Hydrogenation on CoRh/Nb <sub>2</sub> O <sub>5</sub> Catalysts. <i>Journal of Catalysis</i> , <b>1999</b> , 188, 1-13	7.3	19
154	Effect of preparation method on 5% Co/Nb <sub>2</sub> O <sub>5</sub> in Fischer-Tropsch Synthesis (FTS). <i>Catalysis Today</i> , <b>1993</b> , 16, 361-370	5.3	19
153	Synthesis and Characterization of Perovskite-Type Oxides La <sub>1-x</sub> M <sub>x</sub> CoO <sub>3</sub> (M = Ce, Sr) for the Selective CO Oxidation (SELOX). <i>Topics in Catalysis</i> , <b>2014</b> , 57, 1103-1111	2.3	18
152	NO reduction with ethanol on MoO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> and CeO <sub>2</sub> -ZrO <sub>2</sub> -supported Pd catalysts. <i>Catalysis Today</i> , <b>2003</b> , 85, 3-12	5.3	18
151	Nanostructured La <sub>0.8</sub> Sr <sub>0.2</sub> Fe <sub>0.8</sub> Cr <sub>0.2</sub> O <sub>3</sub> Perovskite for the Steam Methane Reforming. <i>Catalysis Letters</i> , <b>2016</b> , 146, 2504-2515	2.8	17
150	Reduction of NO by CO on Pt-MoO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Catalysis Today</i> , <b>2003</b> , 85, 31-37	5.3	17
149	Copper-based Catalysts for Synthesis of Methylamines: The Effect of the Metal and the Role of the Support. <i>Catalysis Letters</i> , <b>2005</b> , 104, 111-119	2.8	17
148	Importance of pretreatment on regeneration of a Pt-Sn/Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Fuel Processing Technology</i> , <b>1995</b> , 42, 3-17	7.2	17
147	Incorporation of cerium ions by sonication in NiMgAl layered double hydroxides. <i>Applied Clay Science</i> , <b>2010</b> , 48, 542-546	5.2	16
146	Hydrogen and ethylene production from partial oxidation of methane on CuCe, CuZr mixed oxides and ZrO <sub>2</sub> catalysts. <i>Applied Catalysis A: General</i> , <b>2010</b> , 375, 205-212	5.1	16
145	The nickel-silica interactions at low nickel contents. <i>Catalysis Today</i> , <b>2000</b> , 57, 291-296	5.3	16
144	Activity and selectivity of Pt-Sn/Nb <sub>2</sub> O <sub>5</sub> in n-heptane conversion. <i>Catalysis Today</i> , <b>1993</b> , 16, 397-405	5.3	16
143	Partial oxidation of methane on neodymium and lanthanum chromate based perovskites for hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 8166-8177	6.7	16
142	Effect of K promoter on the structure and catalytic behavior of supported iron-based catalysts in fischer-tropsch synthesis. <i>Brazilian Journal of Chemical Engineering</i> , <b>2011</b> , 28, 495-504	1.7	15
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91	FCC SO <sub>x</sub> Additives Deactivation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 2646-2650	3.9	8
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12 Spectroscopy in the Infrared Region **2016**, 227-250

11 X-Ray Photoelectron Spectroscopy (ESCA: XPS/ISS) **2016**, 251-266

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