

# Martin Schmal

## 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.

263  
papers

6,240  
citations

40  
h-index

63  
g-index

278  
ext. papers

6,677  
ext. citations

5.2  
avg, IF

5.77  
L-index

#	Paper	IF	Citations
263	The effect of copper oxide on the CuO/NiO/CeO <sub>2</sub> structure and its influence on the CO-PROX reaction. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> , 47, 8858-8866	6.7	0
262	Reduced graphene oxide (rGO) as new support of cobalt/lanthanum oxide for the water gas shift reaction (WGS). <i>Applied Catalysis A: General</i> , <b>2022</b> , 635, 118553	5.1	0
261	Use of CO <sub>2</sub> as a source for obtaining value-added products <b>2022</b> , 19-58		
260	Structural and morphological characterization of the perovskite LaFe <sub>0.2</sub> Cr <sub>0.8-x</sub> Co <sub>x</sub> O <sub>3</sub> (x = 0.0, 0.2, 0.4, 0.6, 0.8) for selective oxidation of CO. <i>Journal of the Australian Ceramic Society</i> , <b>2021</b> , 57, 767-781	1.5	1
259	Surface Analyses of adsorbed and deposited species on the Ni-Mo catalysts surfaces after Guaiacol HDO. Influence of the alumina and SBA-15 supports.. <i>Molecular Catalysis</i> , <b>2021</b> , 511, 111724	3.3	3
258	The LaCo <sub>1-x</sub> V <sub>x</sub> O <sub>3</sub> Catalyst for CO Oxidation in Rich H <sub>2</sub> Stream. <i>Catalysis Letters</i> , <b>2021</b> , 151, 409-421	2.8	4
257	Ruthenium Catalyst Supported on Multi-Walled Carbon Nanotubes for CO Oxidation. <i>Modern Research in Catalysis</i> , <b>2021</b> , 10, 73-91	0.6	0
256	Evaluation of Fischer-Tropsch synthesis to light olefins over Co- and Fe-based catalysts using artificial neural network. <i>Journal of Cleaner Production</i> , <b>2021</b> , 321, 129003	10.3	1
255	Synthesis of few-layered graphene sheets as support of cobalt nanoparticles and its influence on CO hydrogenation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2021</b> , 273, 115388	3.1	1
254	In Situ DRIFTS Investigation of Ethylene Oxidation on Ag and Ag/Cu on Reduced Graphene Oxide. <i>Catalysis Letters</i> , <b>2020</b> , 150, 3036-3048	2.8	2
253	NO reduction by CO on Ce-Fe mixed oxides and gold nanoparticles. <i>Applied Catalysis A: General</i> , <b>2020</b> , 600, 117601	5.1	7
252	Synthesis of Reduced Graphene Oxide as a Support for Nano Copper and Palladium/Copper Catalysts for Selective NO Reduction by CO. <i>ACS Omega</i> , <b>2020</b> , 5, 25568-25581	3.9	8
251	Influence of feed rate and testing variables for low-temperature tri-reforming of methane on the Ni@MWCNT/Ce catalyst. <i>Fuel</i> , <b>2020</b> , 281, 118749	7.1	11
250	Neodymium versatate catalyst for the 1,3-butadiene polymerization [Effects of reaction parameters. <i>Catalysis Today</i> , <b>2020</b> , 344, 84-91	5.3	3
249	Statistical analysis of the catalytic synthesis of Vinyl acetate over Pd-Cu/ZrO <sub>2</sub> nanostructured based catalysts. <i>Catalysis Today</i> , <b>2020</b> , 344, 108-117	5.3	7
248	The Fe-Co-Cu supported on MWCNT as catalyst for the tri-reforming of methane [Investigating the structure changes of the catalysts. <i>Fuel</i> , <b>2019</b> , 256, 115917	7.1	13
247	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

246	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
245	Design and Testing Model Cobalt Catalysts for Reactions Involving CO <sub>2</sub> and H <sub>2</sub> O. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 8067-8076	3.8	
244	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
243	A family of kinetic distributions for interpretation of experimental fluctuations in kinetic problems. <i>Chemical Engineering Journal</i> , <b>2018</b> , 332, 303-311	14.7	3
242	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
241	Nanostructured Pd <sub>2</sub> U Catalysts Supported on ZrAl and ZrTi for Synthesis of Vinyl Acetate. <i>ChemCatChem</i> , <b>2018</b> , 10, 5256-5269	5.2	3
240	Syngas Production Using Natural Gas from the Environmental Point of View <b>2018</b> ,		3
239	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
238	Syntheses and Characterization of Zinc Oxide Nanoparticles on Graphene Sheets: Adsorption-Reaction In Situ DRIFTS of Methane and CO <sub>2</sub> . <i>Catalysis Letters</i> , <b>2018</b> , 148, 3413-3430	2.8	4
237	Characterization of CeO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> Mixed Oxides: Influence of the Dopant on the Structure. <i>Topics in Catalysis</i> , <b>2018</b> , 61, 1694-1706	2.3	5
236	Water Interaction in Faujasite Probed by in Situ X-ray Powder Diffraction. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 2755-2761	3.8	10
235	Adsorption and desorption of propane on Pd (111): A van der Waals density functional study. Energy binding sites and geometries. <i>Surface Science</i> , <b>2017</b> , 664, 82-86	1.8	1
234	Investigation of structures and metallic environment of the Ni/Nb <sub>2</sub> O <sub>5</sub> by different in situ treatments Effect on the partial oxidation of methane. <i>Applied Catalysis A: General</i> , <b>2017</b> , 537, 100-110	5.1	14
233	Copper as promoter of the NiO/FeO <sub>2</sub> catalyst in the preferential CO oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 182, 257-265	21.8	75
232	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
231	Synthesis and Characterization of Fe-Doped CeO <sub>2</sub> for Application in the NO Selective Catalytic Reduction by CO. <i>Topics in Catalysis</i> , <b>2016</b> , 59, 1772-1786	2.3	14
230	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
229	Cobalt ferrite nanoparticles for the preferential oxidation of CO. <i>Applied Catalysis A: General</i> , <b>2016</b> , 519, 139-145	5.1	40

- 228 Combined DFT and experimental study of the dispersion and interaction of copper species in Ni-CeO<sub>2</sub> nanosized solid solutions. *RSC Advances*, **2016**, 6, 5057-5067 3-7 4
- 227 Improvement of Catalytic Performance of Perovskites by Partial Substitution of Cations and Supporting on High Surface Area Materials **2016**, 4
- 226 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. *International Journal of Hydrogen Energy*, **2016**, 41, 18178-18192 6-7 4<sup>1</sup>
- 225 Heterogeneous Catalysis and its Industrial Applications **2016**, 12
- 224 Nanostructured Catalysts **2016**, 285-327
- 223 Catalyst Preparation **2016**, 161-187
- 222 Spectroscopy in the Infrared Region **2016**, 227-250
- 221 X-Ray Photoelectron Spectroscopy (ESCA: XPS/ISS) **2016**, 251-266
- 220 Electronic Microscopy: General and Specific Notions **2016**, 267-283
- 219 Kinetics and Mechanisms **2016**, 329-339
- 218 Evaluation of Industrial Catalysts **2016**, 341-355
- 217 Activity Pattern **2016**, 11-26
- 216 Adsorption/Desorption **2016**, 27-62
- 215 Textural and Thermochemical Characterizations **2016**, 99-160
- 214 Variables Influencing Final Properties of Catalysts **2016**, 189-204
- 213 Structural Analyses: X-ray Diffraction **2016**, 205-226
- 212 Fe<sub>x</sub>Zr<sub>1-x</sub>O<sub>2</sub> and Ce<sub>1-x</sub>Fe<sub>x</sub>O<sub>2</sub> Mixed Oxide Catalysts DRIFTS Analyses of Synthesis Gas and TPSR of Propane Dry Reforming **2015**, 659-674
- 211 Effect of metal oxides concentration over supported cordierite monoliths on the partial oxidation of ethanol. *Applied Catalysis B: Environmental*, **2014**, 148-149, 1-10 21.8 11

210	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
209	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
208	Activation of Methane on NiO Nanoparticles with Different Morphologies. <i>Journal of the Brazilian Chemical Society</i> , <b>2014</b> ,	1.5	2
207	Nanostructured Co <sub>3</sub> O <sub>4</sub> Oxide for Low Temperature Ethanol Oxidation. <i>Materials Science Forum</i> , <b>2014</b> , 798-799, 205-210	0.4	0
206	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
205	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
204	Particle size effect in methane activation over supported palladium nanoparticles. <i>Applied Catalysis A: General</i> , <b>2013</b> , 452, 203-213	5.1	12
203	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
202	Investigation of the Stability of CeO <sub>2</sub> , V <sub>2</sub> O <sub>5</sub> and CeV Mixed Oxide on the Partial Oxidation of Propane. <i>Catalysis Letters</i> , <b>2012</b> , 142, 753-762	2.8	10
201	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
200	Nanostructured supported palladium catalysts for non-oxidative methane coupling. <i>Applied Catalysis A: General</i> , <b>2012</b> , 411-412, 105-113	5.1	14
199	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
198	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
197	Use of ethanol in the catalytic abatement of NO <sub>x</sub> . <i>Applied Catalysis A: General</i> , <b>2011</b> , 403, 192-198	5.1	4
196	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
195	The Effect of Coating TiO <sub>2</sub> on the CO Oxidation of the Pt/Alumina Catalysts. <i>Catalysis Letters</i> , <b>2011</b> , 141, 1685-1692	2.8	13
194	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
193	Synthesis and characterization of Pt/Fe <sub>2</sub> O <sub>3</sub> catalysts for the CO selective oxidation. <i>Applied Catalysis A: General</i> , <b>2011</b> , 392, 1-10	5.1	10

192	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
191	Effect of B and Sn on Ni catalysts supported on pure- and on WO <sub>3</sub> /MoO <sub>3</sub> -modified zirconias for direct CH <sub>4</sub> conversion to H <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 103, 326-335	21.8	7
190	Influence of Mo Species on the Pt/NaY Catalyst and the Effect of Sulfur Content on the Hydrodenitrogenation Reaction. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 18501-18508	3.8	10
189	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
188	Promoting Effect of Ce on the Oxidative Coupling of Methane Catalysts. <i>Catalysis Letters</i> , <b>2010</b> , 135, 26-32	2.8	10
187	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
186	The Effect of Acidity and Oxygen on the NO <sub>x</sub> Reduction by Methane Using Pd/Sulphated Catalysts. <i>Catalysis Letters</i> , <b>2010</b> , 140, 140-146	2.8	1
185	Infrared spectroscopic characterization of basic properties: Nitromethane as probe molecule. <i>Journal of Molecular Catalysis A</i> , <b>2010</b> , 330, 88-93		2
184	Investigation of activity losses of gold nanoparticles in the CO selective oxidation. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 7386-7390	8.9	5
183	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
182	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
181	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
180	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
179	Influence of oxygen and promoting effect of barium on the reduction of NO <sub>x</sub> by ethanol on Pd/ZrO <sub>2</sub> catalyst. <i>Catalysis Today</i> , <b>2010</b> , 149, 304-308	5.3	4
178	Towards an atomic level understanding of niobia based catalysts and catalysis by combining the science of catalysis with surface science. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2009</b> , 81, 297-318	1.4	4
177	NO <sub>x</sub> Reduction by Ethanol on Pd/Sulphated Zirconia. <i>Catalysis Letters</i> , <b>2009</b> , 129, 85-92	2.8	5
176	Structural Transformation of CuMgAl Mixed Oxide Catalysts Derived from Hydrotalcites During Shift Reaction. <i>Catalysis Letters</i> , <b>2009</b> , 132, 58-63	2.8	14
175	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

174	Experimental errors in kinetic tests and its influence on the precision of estimated parameters. Part I: Analysis of first-order reactions. <i>Chemical Engineering Journal</i> , <b>2009</b> , 155, 816-823	14.7	14
173	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
172	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
171	Hybrid Modeling of Methane Reformers. 3. Optimal Geometries of Perforated Catalyst Pellets. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 10277-10283	3.9	
170	Partial oxidation of ethanol on Cu/Alumina/cordierite monolith. <i>Catalysis Communications</i> , <b>2009</b> , 10, 1697-1701	3.2	20
169	NO <sub>x</sub> reduction by ethanol on Pd/zeolites-effect of oxygen. <i>Catalysis Letters</i> , <b>2008</b> , 124, 59-67	2.8	9
168	Combustion synthesis of copper catalysts for selective CO oxidation. <i>Journal of Power Sources</i> , <b>2008</b> , 179, 329-334	8.9	38
167	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
166	Effect of experimental conditions on the parameters used for evaluating the performance of the catalyst Mo/Al <sub>2</sub> O <sub>3</sub> in diesel soot combustion. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 84, 843-849	21.8	5
165	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
164	Performance of the CeZrO <sub>2</sub> mixed oxide in the NO <sub>x</sub> decomposition. <i>Catalysis Today</i> , <b>2008</b> , 133-135, 555-559	5.9	14
163	Kinetics of the catalytic combustion of diesel soot with MoO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> catalyst from thermogravimetric analyses. <i>Applied Catalysis A: General</i> , <b>2008</b> , 342, 87-92	5.1	15
162	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
161	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
160	XPS Study of Spent FCC Catalyst Regenerated under Different Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2007</b> , 46, 1148-1152	3.9	15
159	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
158	NO <sub>x</sub> Decomposition on a Mixed Oxide CuZrO <sub>2</sub> . <i>Studies in Surface Science and Catalysis</i> , <b>2007</b> , 172, 497-508		
157	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

156	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
155	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
154	The effect of support on methane activation over Pt catalysts in the presence of MoO <sub>3</sub> . <i>Applied Catalysis A: General</i> , <b>2007</b> , 318, 207-212	5.1	13
153	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
152	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
151	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
150	Autothermal reforming of methane over nickel catalysts prepared from hydrotalcite-like compounds. <i>Studies in Surface Science and Catalysis</i> , <b>2007</b> , 167, 451-456	1.8	3
149	Fischer-tropsch synthesis on Pd-Co/Nb <sub>2</sub> O <sub>5</sub> catalysts. <i>Studies in Surface Science and Catalysis</i> , <b>2007</b> , 167, 147-152	1.8	4
148	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
147	NO reduction with acetaldehyde on alumina-supported Pd/Mo catalysts. <i>Journal of Catalysis</i> , <b>2006</b> , 242, 48-57	7.3	6
146	Synthesis Gas Production from Natural Gas on Supported Pt Catalysts. <i>Journal of Natural Gas Chemistry</i> , <b>2006</b> , 15, 21-27		23
145	Kinetic Rates of the Fischer Tropsch Synthesis on a Co/Nb <sub>2</sub> O <sub>5</sub> Catalyst. <i>Journal of Natural Gas Chemistry</i> , <b>2006</b> , 15, 307-312		15
144	Catalytic combustion of methane over palladium alumina modified by niobia. <i>Catalysis Communications</i> , <b>2006</b> , 7, 314-322	3.2	32
143	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
142	FCC SO <sub>x</sub> Additives Deactivation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 2646-2650	3.9	8
141	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
140	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
139	Strong metal support interaction on Co/niobia model catalysts. <i>Catalysis Letters</i> , <b>2006</b> , 111, 35-41	2.8	19

138	Molybdenum species on alumina and silica supports for soot combustion. <i>Catalysis Communications</i> , <b>2005</b> , 6, 7-12	3.2	12
137	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
136	The effect of copper loading on the acidity of Cu/HZSM-5 catalysts: IR of ammonia and methanol for methylamines synthesis. <i>Applied Catalysis A: General</i> , <b>2005</b> , 294, 148-155	5.1	9
135	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
134	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
133	Interpretation of kinetic data with selected characterizations of active sites. <i>Catalysis Today</i> , <b>2005</b> , 100, 145-150	5.3	2
132	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
131	The promoting effect of cesium on structure and morphology of silver catalysts. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2004</b> , 76, 19-27	1.4	4
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5	Kinetics of coal gasification. <i>Industrial &amp; Engineering Chemistry Process Design and Development</i> , <b>1982</b> , 21, 256-266		46
4	The effect of suction and slip velocity of a non-Newtonian fluid flowing over a circular cylinder. <i>International Journal of Heat and Mass Transfer</i> , <b>1978</b> , 21, 175-185	4.9	3
3	Eine nherungslsung ff die kondensation von laminar strhendem dampf mit beliebigen druckgradienten bei kleiner mach-zahl und konstanten stoffwerten. <i>International Journal of Heat and Mass Transfer</i> , <b>1972</b> , 15, 1137-1157	4.9	4
2	Concentration, temperature and reaction surfaces in laminar tube flow with radially stepwise inlet distributions. <i>Chemical Engineering Science</i> , <b>1967</b> , 22, 1383-1387	4.4	1
1	Tri-Reforming of Methane over NdM <sub>0.25</sub> Ni <sub>0.75</sub> O <sub>3</sub> (M = Cr, Fe) Catalysts and the Effect of CO <sub>2</sub> Composition. <i>Catalysis Letters</i> , 1	2.8	0