

# patrick Da Costa

## 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.

218  
papers

5,321  
citations

40  
h-index

59  
g-index

228  
ext. papers

6,209  
ext. citations

5.8  
avg. IF

6.14  
L-index

#	Paper	IF	Citations
218	Boosting CO <sub>2</sub> reforming of methane via the metal-support interaction in mesostructured SBA-16-derived Ni nanoparticles. <i>Applied Materials Today</i> , <b>2022</b> , 26, 101354	6.6	1
217	Solution combustion synthesis as an alternative synthesis route for novel Ni-Mg-Al mixed-oxide catalyst for CO <sub>2</sub> methanation. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2022</b> , 60, 101983	7.6	1
216	On the Effect of Cobalt Promotion over Ni/CeO <sub>2</sub> Catalyst for CO <sub>2</sub> Thermal and Plasma Assisted Methanation. <i>Catalysts</i> , <b>2022</b> , 12, 36	4	1
215	Transition metal-based catalysts for CO <sub>2</sub> methanation and hydrogenation <b>2022</b> , 59-93		
214	Ultrasmall bimetallic Cu/ZnOx nanoparticles encapsulated in UiO-66 by deposition-precipitation method for CO <sub>2</sub> hydrogenation to methanol. <i>Fuel</i> , <b>2022</b> , 324, 124694	7.1	1
213	Unraveling catalytic properties by yttrium promotion on mesoporous SBA-16 supported nickel catalysts towards CO <sub>2</sub> methanation. <i>Fuel</i> , <b>2021</b> , 317, 122829	7.1	0
212	Modified fly ash, a waste material from the energy industry, as a catalyst for the CO <sub>2</sub> reduction to methane. <i>Energy</i> , <b>2021</b> , 122718	7.9	0
211	Effect of cobalt promotion on hydrotalcite-derived nickel catalyst for CO <sub>2</sub> methanation. <i>Applied Materials Today</i> , <b>2021</b> , 25, 101211	6.6	2
210	Co-Precipitated Ni-Mg-Al Hydrotalcite-Derived Catalyst Promoted with Vanadium for CO Methanation. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
209	The effect of adsorbed oxygen species on carbon-resistance of Ni-Zr catalyst modified by Al and Mn for dry reforming of methane. <i>Catalysis Today</i> , <b>2021</b> ,	5.3	4
208	Improvement of the activity of CO <sub>2</sub> methanation in a hybrid plasma-catalytic process in varying catalyst particle size or under pressure. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2021</b> , 46, 101471	7.6	7
207	Dry reforming of methane over NiZrOx catalysts doped by manganese: On the effect of the stability of the structure during time on stream. <i>Applied Catalysis A: General</i> , <b>2021</b> , 617, 118120	5.1	6
206	Vanadium promoted Ni(Mg,Al)O hydrotalcite-derived catalysts for CO <sub>2</sub> methanation. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 17776-17783	6.7	9
205	Investigation of Cu promotion effect on hydrotalcite-based nickel catalyst for CO <sub>2</sub> methanation. <i>Catalysis Today</i> , <b>2021</b> , 384-386, 133-133	5.3	3
204	Tailoring the yttrium content in Ni-Ce-Y/SBA-15 mesoporous silicas for CO <sub>2</sub> methanation. <i>Catalysis Today</i> , <b>2021</b> , 382, 104-104	5.3	3
203	On the effect of yttrium promotion on Ni-layered double hydroxides-derived catalysts for hydrogenation of CO <sub>2</sub> to methane. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 12169-12179	6.7	16
202	Carbon-resistant NiO-Y <sub>2</sub> O <sub>3</sub> -nanostructured catalysts derived from double-layered hydroxides for dry reforming of methane. <i>Catalysis Today</i> , <b>2021</b> , 366, 103-113	5.3	15

201	Synthesis strategies of Zr- and Y-promoted mixed oxides derived from double-layered hydroxides for syngas production via dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 12128-12144	6.7	10
200	Hydrodeoxygenation of benzyl alcohol on transition-metal-containing mixed oxides catalysts derived from layered double hydroxide precursors. <i>Catalysis Today</i> , <b>2021</b> , 366, 235-244	5.3	2
199	Syngas Production via CO Reforming of Methane over Aluminum-Promoted NiO-10AlO-ZrO Catalyst. <i>ACS Omega</i> , <b>2021</b> , 6, 22383-22394	3.9	0
198	Tailoring physicochemical and electrical properties of Ni/CeZrOx doped catalysts for high efficiency of plasma catalytic CO2 methanation. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 294, 120233	21.8	6
197	Ni-based catalysts for plasma-assisted CO2 methanation. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2021</b> , 32, 100540	7.9	3
196	Effect of Na and K impurities on the performance of Ni/CeZrOx catalysts in DBD plasma-catalytic CO2 methanation. <i>Fuel</i> , <b>2021</b> , 306, 121639	7.1	5
195	Novel Preparation of Cu and Fe Zirconia Supported Catalysts for Selective Catalytic Reduction of NO with NH3. <i>Catalysts</i> , <b>2021</b> , 11, 55	4	5
194	One-Step Synthesis of Highly Active and Stable NiZrOx for Dry Reforming of Methane. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 11441-11452	3.9	25
193	Coupling experiment and simulation analysis to investigate physical parameters of CO2 methanation in a plasma-catalytic hybrid process. <i>Plasma Processes and Polymers</i> , <b>2020</b> , 17, 1900261	3.4	10
192	Ni/zeolite X derived from fly ash as catalysts for CO2 methanation. <i>Fuel</i> , <b>2020</b> , 267, 117139	7.1	35
191	Effect of Biodiesel impurities (K, Na, P) on non-catalytic and catalytic activities of Diesel soot in model DPF regeneration conditions. <i>Fuel Processing Technology</i> , <b>2020</b> , 199, 106293	7.2	13
190	Understanding of tri-reforming of methane over Ni/Mg/Al hydrotalcite-derived catalyst for CO2 utilization from flue gases from natural gas-fired power plants. <i>Journal of CO2 Utilization</i> , <b>2020</b> , 42, 101317	7.6	10
189	Ni/CeO2 Nanoparticles Promoted by Yttrium Doping as Catalysts for CO2 Methanation. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 12355-12368	5.6	14
188	Physical and chemical characterization of shock-induced cavitation. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 69, 105270	8.9	2
187	Effect of ceria promotion on the catalytic performance of Ni/SBA-16 catalysts for CO2 methanation. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 6330-6341	5.5	18
186	Stable NiOTeO2 nanoparticles with improved carbon resistance for methane dry reforming. <i>Journal of Rare Earths</i> , <b>2020</b> ,	3.7	5
185	CO2 reforming in CH4 over Ni/Al2O3 nano catalyst: Effect of cold plasma surface discharge. <i>Applied Surface Science</i> , <b>2020</b> , 501, 144175	6.7	10
184	Ni-Fe layered double hydroxide derived catalysts for non-plasma and DBD plasma-assisted CO2 methanation. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 10423-10432	6.7	30

183	Impacts on human mortality due to reductions in PM concentrations through different traffic scenarios in Paris, France. <i>Science of the Total Environment</i> , <b>2020</b> , 698, 134257	10.2	20
182	Electrocatalytic behaviour of CeZrOx-supported Ni catalysts in plasma assisted CO2 methanation. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 4532-4543	5.5	14
181	Structure, surface and reactivity of activated carbon: From model soot to Bio Diesel soot. <i>Fuel</i> , <b>2019</b> , 257, 116038	7.1	23
180	Optimizing Washcoating Conditions for the Preparation of Zeolite-Based Cordierite Monoliths for NOx CH4-SCR: A Required Step for Real Application. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 11799-11810	3.9	4
179	Ce- and Y-Modified Double-Layered Hydroxides as Catalysts for Dry Reforming of Methane: On the Effect of Yttrium Promotion. <i>Catalysts</i> , <b>2019</b> , 9, 56	4	24
178	Plasma-Catalytic Removal of NOx in Mobile and Stationary Sources. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , <b>2019</b> , 115-144	0.4	3
177	Probing the local radiative quenching during the transition from a non-smoking to a smoking laminar coflow ethylene/air non-premixed flame. <i>Combustion and Flame</i> , <b>2019</b> , 203, 120-129	5.3	7
176	Highly Carbon-Resistant Y Doped NiO/ZrO <sub>2</sub> Catalysts for Dry Reforming of Methane. <i>Catalysts</i> , <b>2019</b> , 9, 1055	4	15
175	Novel Nickel- and Magnesium-Modified Cenospheres as Catalysts for Dry Reforming of Methane at Moderate Temperatures. <i>Catalysts</i> , <b>2019</b> , 9, 1066	4	4
174	Sonocatalytic oxidation of EDTA in aqueous solutions over noble metal-free Co <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> catalyst. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 241, 570-577	21.8	25
173	Structure-reactivity study of model and Biodiesel soot in model DPF regeneration conditions. <i>Fuel</i> , <b>2019</b> , 239, 373-386	7.1	22
172	Magnetic control of flame stability: Application to oxygen-enriched and carbon dioxide-diluted sooting flames. <i>Proceedings of the Combustion Institute</i> , <b>2019</b> , 37, 5637-5644	5.9	2
171	Operando FT-IR study on basicity improvement of Ni(Mg, Al)O hydrotalcite-derived catalysts promoted by glow plasma discharge. <i>Plasma Science and Technology</i> , <b>2019</b> , 21, 045503	1.5	9
170	Plasma-catalytic hybrid process for CO2 methanation: optimization of operation parameters. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2019</b> , 126, 629-643	1.6	19
169	Effect of low loading of yttrium on Ni-based layered double hydroxides in CO2 reforming of CH4. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2019</b> , 126, 611-628	1.6	9
168	TiO <sub>2</sub> /clay as a heterogeneous catalyst in photocatalytic/photochemical oxidation of anionic reactive blue 19. <i>Arabian Journal of Chemistry</i> , <b>2019</b> , 12, 1454-1462	5.9	40
167	Syngas production from dry methane reforming over yttrium-promoted nickel-KIT-6 catalysts. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 274-286	6.7	52
166	Natural clay based nickel catalysts for dry reforming of methane: On the effect of support promotion (La, Al, Mn). <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 246-255	6.7	36

165	Biofuel Impact on Diesel Engine After-Treatment: Deactivation Mechanisms and Soot Reactivity. <i>Emission Control Science and Technology</i> , <b>2018</b> , 4, 15-32	2	11
164	Examination of the influence of La promotion on Ni state in hydrotalcite-derived catalysts under CO <sub>2</sub> methanation reaction conditions: Operando X-ray absorption and emission spectroscopy investigation. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 232, 409-419	21.8	58
163	Impacts of ester carbon chain length and concentration on sooting propensities and soot oxidative reactivity: Application to Diesel and Biodiesel surrogates. <i>Fuel</i> , <b>2018</b> , 222, 586-598	7.1	31
162	The influence of lanthanum incorporation method on the performance of nickel-containing hydrotalcite-derived catalysts in CO <sub>2</sub> methanation reaction. <i>Catalysis Today</i> , <b>2018</b> , 307, 205-211	5.3	39
161	Natural clay-based Ni-catalysts for dry reforming of methane at moderate temperatures. <i>Catalysis Today</i> , <b>2018</b> , 306, 51-57	5.3	21
160	Efficient removal of cadmium and 2-chlorophenol in aqueous systems by natural clay: Adsorption and photo-Fenton degradation processes. <i>Comptes Rendus Chimie</i> , <b>2018</b> , 21, 253-262	2.7	29
159	Promotion effect of zirconia on Mg(Ni,Al)O mixed oxides derived from hydrotalcites in CO <sub>2</sub> methane reforming. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 223, 36-46	21.8	73
158	Experimental investigation on the influence of the presence of alkali compounds on the performance of a commercial PtPd/Al <sub>2</sub> O <sub>3</sub> diesel oxidation catalyst. <i>Clean Technologies and Environmental Policy</i> , <b>2018</b> , 20, 715-725	4.3	5
157	Natural Hematite and Siderite as Heterogeneous Catalysts for an Effective Degradation of 4-Chlorophenol via Photo-Fenton Process. <i>ChemEngineering</i> , <b>2018</b> , 2, 29	2.6	5
156	Dry reforming of methane over Zr- and Y-modified Ni/Mg/Al double-layered hydroxides. <i>Catalysis Communications</i> , <b>2018</b> , 117, 26-32	3.2	33
155	Yttrium promoted Ni-based double-layered hydroxides for dry methane reforming. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2018</b> , 27, 247-258	7.6	58
154	MnO <sub>x</sub> -CeO <sub>2</sub> mixed oxides as the catalyst for NO-assisted soot oxidation: The key role of NO adsorption/desorption on catalytic activity. <i>Applied Surface Science</i> , <b>2018</b> , 462, 678-684	6.7	27
153	Excess-methane dry and oxidative reforming on Ni-containing hydrotalcite-derived catalysts for biogas upgrading into synthesis gas. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 11981-11989	6.7	16
152	Photocatalytic decolorization of cationic and anionic dyes over ZnO nanoparticle immobilized on natural Tunisian clay. <i>Applied Clay Science</i> , <b>2018</b> , 152, 148-157	5.2	74
151	Ni <sub>2</sub> C supported on alumina as a substitute for NiMo reduced catalysts supported on alumina material for dry reforming of methane. <i>Comptes Rendus Chimie</i> , <b>2018</b> , 21, 247-252	2.7	8
150	Nickel Supported Modified Ceria Zirconia Lanthanum/ Praseodymium/Yttrium Oxides Catalysts for Syngas Production through Dry Methane Reforming. <i>Materials Science Forum</i> , <b>2018</b> , 941, 2214-2219	0.4	5
149	Synthesis Gas Production via Dry Reforming of Methane over Manganese Promoted Nickel/Cerium Zirconium Oxide Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 16645-16656	3.9	34
148	Effect of Acid-Basic Sites Ratio on the Catalytic Activity to Obtain 5-HMF from Glucose Using Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> -W Catalysts. <i>ChemistrySelect</i> , <b>2018</b> , 3, 12854-12864	1.8	9

147	New Approach for Understanding the Oxidation Stability of Neopolyol Ester Lubricants Using a Small-Scale Oxidation Test Method. <i>ACS Omega</i> , <b>2018</b> , 3, 10449-10459	3.9	5
146	Mg-promotion of Ni natural clay-supported catalysts for dry reforming of methane.. <i>RSC Advances</i> , <b>2018</b> , 8, 19627-19634	3.7	10
145	Influence of the Alumina Precursor on the Activity of Structured Fe <sub>3</sub> O <sub>4</sub> /Al <sub>2</sub> O <sub>3</sub> Catalysts Towards the Simultaneous Removal of Soot and NO <sub>x</sub> . <i>Topics in Catalysis</i> , <b>2017</b> , 60, 355-360	2.3	
144	Methane, Propene and Toluene Oxidation by Plasma-Pd/Al <sub>2</sub> O <sub>3</sub> Hybrid Reactor: Investigation of a Synergetic Effect. <i>Topics in Catalysis</i> , <b>2017</b> , 60, 326-332	2.3	12
143	Shock-induced cavitation as a way of accelerating phenol oxidation in aqueous media. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2017</b> , 112, 47-55	3.7	4
142	Ceria and zirconia modified natural clay based nickel catalysts for dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 23508-23516	6.7	21
141	Influence of Ce/Zr molar ratio on catalytic performance of hydrotalcite-derived catalysts at low temperature CO <sub>2</sub> methane reforming. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 23556-23567	6.7	46
140	Mo-promoted Ni/Al <sub>2</sub> O <sub>3</sub> catalyst for dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 23500-23507	6.7	40
139	Experimental assessment of the sudden-reversal of the oxygen dilution effect on soot production in coflow ethylene flames. <i>Combustion and Flame</i> , <b>2017</b> , 183, 242-252	5.3	20
138	The influence of nickel content on the performance of hydrotalcite-derived catalysts in CO <sub>2</sub> methanation reaction. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 23548-23555	6.7	68
137	Ceria promotion over Ni-containing hydrotalcite-derived catalysts for CO <sub>2</sub> methane reforming. <i>E3S Web of Conferences</i> , <b>2017</b> , 14, 02039	0.5	2
136	Impacts of oxygenated compounds concentration on sooting propensities and soot oxidative reactivity: Application to Diesel and Biodiesel surrogates. <i>Fuel</i> , <b>2017</b> , 193, 241-253	7.1	47
135	Catalytic activity of hydrotalcite-derived catalysts in the dry reforming of methane: on the effect of Ce promotion and feed gas composition. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2017</b> , 121, 185-208	1.6	32
134	Plasma DBD activated ceria-zirconia-promoted Ni-catalysts for plasma catalytic CO <sub>2</sub> hydrogenation at low temperature. <i>Catalysis Communications</i> , <b>2017</b> , 89, 73-76	3.2	48
133	A Short Review on the Catalytic Activity of Hydrotalcite-Derived Materials for Dry Reforming of Methane. <i>Catalysts</i> , <b>2017</b> , 7, 32	4	78
132	Alumina-Supported Ni-Mo Carbides as Promising Catalysts for CO <sub>2</sub> Methanation. <i>Modern Research in Catalysis</i> , <b>2017</b> , 06, 135-145	0.6	4
131	Nanooxides Derived from Hydrotalcites as Catalysts for Dry Methane Reforming Reaction - Effect of [Ni(EDTA)] <sub>2</sub> - Adsorption Time. <i>Materials Science Forum</i> , <b>2016</b> , 879, 396-401	0.4	0
130	Application of PdCe-HMOR Catalyst as NO <sub>x</sub> CH <sub>4</sub> -SCR System for Heavy-Duty Vehicles Moved by Natural Gas. <i>Topics in Catalysis</i> , <b>2016</b> , 59, 982-986	2.3	3

129	Methane dry reforming over hydrotalcite-derived NiMgAl mixed oxides: the influence of Ni content on catalytic activity, selectivity and stability. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 6705-6715	5.5	90
128	Aging of Commercial Diesel Oxidation Catalysts: A preliminary Structure/Reactivity Study. <i>Topics in Catalysis</i> , <b>2016</b> , 59, 1039-1043	2.3	10
127	Heterogeneous TiO <sub>2</sub> /Fe-plate catalyst for the discoloration and mineralization of aqueous solutions of cationic and anionic dyes. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 13505-13517		7
126	Low temperature dry methane reforming over Ce, Zr and CeZr promoted NiMgAl hydrotalcite-derived catalysts. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 11616-11623	6.7	90
125	NOx SCR with decane using AgMFI catalysts: on the effect of silver content and co-cation presence. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 3038-3048	5.5	11
124	Photocatalytic degradation of methyl green dye in aqueous solution over natural clay-supported ZnO/TiO <sub>2</sub> catalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2016</b> , 315, 25-33	4.7	115
123	Hybrid plasma-catalytic methanation of CO <sub>2</sub> at low temperature over ceria zirconia supported Ni catalysts. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 11584-11592	6.7	93
122	La-promoted Ni-hydrotalcite-derived catalysts for dry reforming of methane at low temperatures. <i>Fuel</i> , <b>2016</b> , 182, 8-16	7.1	118
121	On the enhancing effect of Ce in Pd-MOR catalysts for NOx CH <sub>4</sub> -SCR: A structure-reactivity study. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 195, 121-131	21.8	27
120	Novel Ni-La-hydrotalcite derived catalysts for CO <sub>2</sub> methanation. <i>Catalysis Communications</i> , <b>2016</b> , 83, 5-8	3.2	112
119	Low temperature hybrid plasma-catalytic methanation over Ni-Ce-Zr hydrotalcite-derived catalysts. <i>Catalysis Communications</i> , <b>2016</b> , 83, 14-17	3.2	54
118	Simultaneous soot temperature and volume fraction measurements in axis-symmetric flames by a two-dimensional modulated absorption/emission technique. <i>Combustion and Flame</i> , <b>2015</b> , 162, 2705-2719	5.3	51
117	Sooting propensities of some gasoline surrogate fuels: Combined effects of fuel blending and air vitiation. <i>Combustion and Flame</i> , <b>2015</b> , 162, 1840-1847	5.3	34
116	Effect of nickel incorporation into hydrotalcite-based catalyst systems for dry reforming of methane. <i>Research on Chemical Intermediates</i> , <b>2015</b> , 41, 9485-9495	2.8	27
115	Numerical study of soot formation in laminar coflow diffusion flames of methane doped with primary reference fuels. <i>Combustion and Flame</i> , <b>2015</b> , 162, 1153-1163	5.3	25
114	Plasma-catalytic hybrid reactor: Application to methane removal. <i>Catalysis Today</i> , <b>2015</b> , 257, 86-92	5.3	39
113	Ni-containing Ce-promoted hydrotalcite derived materials as catalysts for methane reforming with carbon dioxide at low temperature [On the effect of basicity. <i>Catalysis Today</i> , <b>2015</b> , 257, 59-65	5.3	113
112	Photo-Fenton oxidation of phenol over a Cu-doped Fe-pillared clay. <i>Comptes Rendus Chimie</i> , <b>2015</b> , 18, 1161-1169	2.7	26

111	NiAl hydrotalcite-like material as the catalyst precursors for the dry reforming of methane at low temperature. <i>Comptes Rendus Chimie</i> , <b>2015</b> , 18, 1205-1210	2.7	29
110	Potential synergic effect between MOR and BEA zeolites in NOx SCR with methane: A dual bed design approach. <i>Applied Catalysis A: General</i> , <b>2015</b> , 506, 246-253	5.1	9
109	Catalytic activity of layered aluminosilicates for VOC oxidation in the presence of NOx. <i>Comptes Rendus Chimie</i> , <b>2015</b> , 18, 1106-1113	2.7	11
108	Dry reforming of methane over Ni/Ce <sub>0.62</sub> Zr <sub>0.38</sub> O <sub>2</sub> catalysts: Effect of Ni loading on the catalytic activity and on H <sub>2</sub> /CO production. <i>Comptes Rendus Chimie</i> , <b>2015</b> , 18, 1242-1249	2.7	35
107	Influence of gas hourly space velocity on the activity of monolithic catalysts for the simultaneous removal of soot and NOx. <i>Comptes Rendus Chimie</i> , <b>2015</b> , 18, 1007-1012	2.7	11
106	Enhanced catalytic stability through non-conventional synthesis of Ni/SBA-15 for methane dry reforming at low temperatures. <i>Applied Catalysis A: General</i> , <b>2015</b> , 504, 143-150	5.1	90
105	Synthesis strategies of ceria/zirconia doped Ni/SBA-15 catalysts for methane dry reforming. <i>Catalysis Communications</i> , <b>2015</b> , 59, 108-112	3.2	67
104	Histopathologic and Ultrastructural Features of Gold Thread Implanted in the Skin for Facial Rejuvenation. <i>American Journal of Dermatopathology</i> , <b>2015</b> , 37, 773-7	0.9	5
103	On the Effect of Preparation Methods of PdCe-MOR Catalysts as NOx CH <sub>4</sub> -SCR System for Natural Gas Vehicles Application. <i>Catalysts</i> , <b>2015</b> , 5, 1815-1830	4	7
102	Titanium Dioxide Supported on Different Porous Materials as Photocatalyst for the Degradation of Methyl Green in Wastewaters. <i>Advances in Materials Science and Engineering</i> , <b>2015</b> , 2015, 1-10	1.5	11
101	Structured Pd/Al <sub>2</sub> O <sub>3</sub> Prepared by Washcoated Deposition on a Ceramic Honeycomb for Compressed Natural Gas Applications. <i>Journal of Nanoparticles</i> , <b>2015</b> , 2015, 1-9		16
100	SCR NOx mechanistic study with a mixture of hydrocarbons representative of the exhaust gas from coal combustion over Rh/Ce <sub>0.62</sub> Zr <sub>0.38</sub> O <sub>2</sub> catalyst. <i>Fuel</i> , <b>2015</b> , 150, 21-28	7.1	12
99	Fe-clay-plate as a heterogeneous catalyst in photo-Fenton oxidation of phenol as probe molecule for water treatment. <i>Applied Clay Science</i> , <b>2014</b> , 91-92, 46-54	5.2	75
98	Investigation of the nature of silver species on different Ag-containing NOx reduction catalysts: On the effect of the support. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 150-151, 204-217	21.8	23
97	Evolution of unburnt hydrocarbons under cold-start conditions from adsorption/desorption to conversion: On the screening of zeolitic materials. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 158-159, 48-59	21.8	32
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