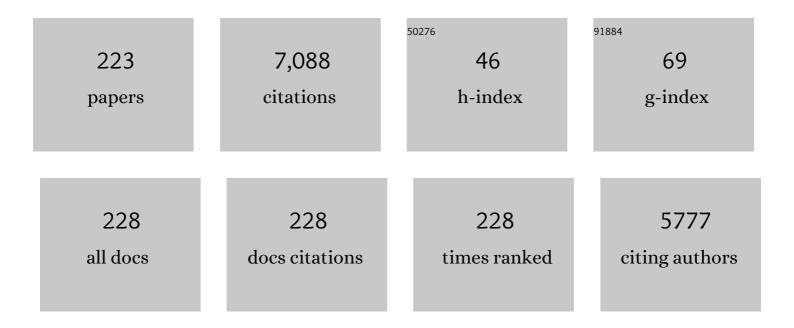
patrick Da Costa

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Photocatalytic degradation of methyl green dye in aqueous solution over natural clay-supported ZnO–TiO 2 catalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 315, 25-33.	3.9	169
2	La-promoted Ni-hydrotalcite-derived catalysts for dry reforming of methane at low temperatures. Fuel, 2016, 182, 8-16.	6.4	154
3	Ni-containing Ce-promoted hydrotalcite derived materials as catalysts for methane reforming with carbon dioxide at low temperature – On the effect of basicity. Catalysis Today, 2015, 257, 59-65.	4.4	153
4	Novel Ni-La-hydrotalcite derived catalysts for CO2 methanation. Catalysis Communications, 2016, 83, 5-8.	3.3	139
5	Spectroscopic and chemical characterization of active and inactive Cu species in NO decomposition catalysts based on Cu-ZSM5. Physical Chemistry Chemical Physics, 2002, 4, 4590-4601.	2.8	133
6	Methane dry reforming over hydrotalcite-derived Ni–Mg–Al mixed oxides: the influence of Ni content on catalytic activity, selectivity and stability. Catalysis Science and Technology, 2016, 6, 6705-6715.	4.1	122
7	Hybrid plasma-catalytic methanation of CO2 at low temperature over ceria zirconia supported Ni catalysts. International Journal of Hydrogen Energy, 2016, 41, 11584-11592.	7.1	116
8	Low temperature dry methane reforming over Ce, Zr and CeZr promoted Ni–Mg–Al hydrotalcite-derived catalysts. International Journal of Hydrogen Energy, 2016, 41, 11616-11623.	7.1	113
9	Enhanced catalytic stability through non-conventional synthesis of Ni/SBA-15 for methane dry reforming at low temperatures. Applied Catalysis A: General, 2015, 504, 143-150.	4.3	107
10	Promotion effect of zirconia on Mg(Ni,Al)O mixed oxides derived from hydrotalcites in CO2 methane reforming. Applied Catalysis B: Environmental, 2018, 223, 36-46.	20.2	107
11	Photocatalytic decolorization of cationic and anionic dyes over ZnO nanoparticle immobilized on natural Tunisian clay. Applied Clay Science, 2018, 152, 148-157.	5.2	107
12	Hydrogen and syngas production by methane dry reforming on SBA-15 supported nickel catalysts: On the effect of promotion by Ce0.75Zr0.25O2 mixed oxide. International Journal of Hydrogen Energy, 2013, 38, 127-139.	7.1	106
13	DRIFT study of the interaction of NO and O2 with the surface of Ce0.62Zr0.38O2 as deNOx catalyst. Catalysis Today, 2008, 137, 288-291.	4.4	105
14	The influence of nickel content on the performance of hydrotalcite-derived catalysts in CO 2 methanation reaction. International Journal of Hydrogen Energy, 2017, 42, 23548-23555.	7.1	103
15	Kinetics and Mechanism of Steady-State Catalytic NO Decomposition Reactions on Cu–ZSM5. Journal of Catalysis, 2002, 209, 75-86.	6.2	99
16	A Short Review on the Catalytic Activity of Hydrotalcite-Derived Materials for Dry Reforming of Methane. Catalysts, 2017, 7, 32.	3.5	96
17	Fe-clay-plate as a heterogeneous catalyst in photo-Fenton oxidation of phenol as probe molecule for water treatment. Applied Clay Science, 2014, 91-92, 46-54.	5.2	94
18	Examination of the influence of La promotion on Ni state in hydrotalcite-derived catalysts under CO2 methanation reaction conditions: Operando X-ray absorption and emission spectroscopy investigation. Applied Catalysis B: Environmental, 2018, 232, 409-419.	20.2	87

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19	Kinetics of catalyzed and non-catalyzed oxidation of soot from a diesel engine. Catalysis Today, 2007, 119, 252-256.	4.4	86
20	Yttrium promoted Ni-based double-layered hydroxides for dry methane reforming. Journal of CO2 Utilization, 2018, 27, 247-258.	6.8	83
21	Influence of preparation methods of LaCoO3 on the catalytic performances in the decomposition of N2O. Applied Catalysis B: Environmental, 2009, 91, 596-604.	20.2	82
22	The First Single-Step Immobilization of a Calix-[4]-arene onto the Surface of Silica. Chemistry of Materials, 2002, 14, 3364-3368.	6.7	76
23	Synthesis strategies of ceria–zirconia doped Ni/SBA-15 catalysts for methane dry reforming. Catalysis Communications, 2015, 59, 108-112.	3.3	76
24	Hydrodesulfurization of 4,6-dimethyldibenzothiophene over promoted (Ni,P) alumina-supported molybdenum carbide catalysts: activity and characterization of active sites. Journal of Catalysis, 2004, 221, 365-377.	6.2	72
25	Mo-promoted Ni/Al2O3 catalyst for dry reforming of methane. International Journal of Hydrogen Energy, 2017, 42, 23500-23507.	7.1	71
26	Kinetics and mechanism of steady-state catalytic NO + O2 reactions on Pt/SiO2 and Pt/CeZrO2. Journal of Molecular Catalysis A, 2004, 221, 127-136.	4.8	69
27	Simultaneous soot temperature and volume fraction measurements in axis-symmetric flames by a two-dimensional modulated absorption/emission technique. Combustion and Flame, 2015, 162, 2705-2719.	5.2	69
28	Low temperature hybrid plasma-catalytic methanation over Ni-Ce-Zr hydrotalcite-derived catalysts. Catalysis Communications, 2016, 83, 14-17.	3.3	69
29	On the role of organic nitrogen-containing species as intermediates in the hydrocarbon-assisted SCR of NOx. Applied Catalysis B: Environmental, 2004, 54, 69-84.	20.2	64
30	Syngas production from dry methane reforming over yttrium-promoted nickel-KIT-6 catalysts. International Journal of Hydrogen Energy, 2019, 44, 274-286.	7.1	64
31	Ni/zeolite X derived from fly ash as catalysts for CO2 methanation. Fuel, 2020, 267, 117139.	6.4	64
32	TiO2/clay as a heterogeneous catalyst in photocatalytic/photochemical oxidation of anionic reactive blue 19. Arabian Journal of Chemistry, 2019, 12, 1454-1462.	4.9	63
33	Plasma DBD activated ceria-zirconia-promoted Ni-catalysts for plasma catalytic CO2 hydrogenation at low temperature. Catalysis Communications, 2017, 89, 73-76.	3.3	62
34	Influence of Ce/Zr molar ratio on catalytic performance of hydrotalcite-derived catalysts atÂlow temperature CO2 methane reforming. International Journal of Hydrogen Energy, 2017, 42, 23556-23567.	7.1	60
35	Synthetic gas bench study of a natural gas vehicle commercial catalyst in monolithic form: On the effect of gas composition. Applied Catalysis B: Environmental, 2009, 88, 386-397.	20.2	59
36	The influence of lanthanum incorporation method on the performance of nickel-containing hydrotalcite-derived catalysts in CO2 methanation reaction. Catalysis Today, 2018, 307, 205-211.	4.4	59

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37	Ni-Fe layered double hydroxide derived catalysts for non-plasma and DBD plasma-assisted CO2 methanation. International Journal of Hydrogen Energy, 2020, 45, 10423-10432.	7.1	59
38	Correlation between the surface properties and deNOx activity of ceria-zirconia catalysts. Applied Catalysis B: Environmental, 2007, 74, 278-289.	20.2	58
39	Influence of Operational Parameters in the Heterogeneous Photo-Fenton Discoloration of Wastewaters in the Presence of an Iron-Pillared Clay. Industrial & Engineering Chemistry Research, 2013, 52, 16656-16665.	3.7	57
40	Synthesis Gas Production via Dry Reforming of Methane over Manganese Promoted Nickel/Cerium–Zirconium Oxide Catalyst. Industrial & Engineering Chemistry Research, 2018, 57, 16645-16656.	3.7	57
41	Impacts of oxygenated compounds concentration on sooting propensities and soot oxidative reactivity: Application to Diesel and Biodiesel surrogates. Fuel, 2017, 193, 241-253.	6.4	56
42	New catalysts for deep hydrotreatment of diesel fuel. Journal of Molecular Catalysis A, 2002, 184, 323-333.	4.8	55
43	Effects of a Pt/Ce0.68Zr0.32O2 catalyst and NO2 on the kinetics of diesel soot oxidation from thermogravimetric analyses. Fuel Processing Technology, 2011, 92, 363-371.	7.2	53
44	Tetralin hydrogenation catalyzed by Mo2C/Al2O3 and WC/Al2O3 in the presence of H2S. Catalysis Today, 2001, 65, 195-200.	4.4	52
45	Dry reforming of methane over Zr- and Y-modified Ni/Mg/Al double-layered hydroxides. Catalysis Communications, 2018, 117, 26-32.	3.3	51
46	Plasma-catalytic hybrid reactor: Application to methane removal. Catalysis Today, 2015, 257, 86-92.	4.4	50
47	Natural clay based nickel catalysts for dry reforming of methane: On the effect of support promotion (La, Al, Mn). International Journal of Hydrogen Energy, 2019, 44, 246-255.	7.1	50
48	Catalytic performances of platinum doped molybdenum carbide for simultaneous hydrodenitrogenation and hydrodesulfurization. Catalysis Today, 2007, 119, 31-34.	4.4	49
49	Structure, surface and reactivity of activated carbon: From model soot to Bio Diesel soot. Fuel, 2019, 257, 116038.	6.4	49
50	Deep hydrodesulphurization and hydrogenation of diesel fuels on alumina-supported and bulk molybdenum carbide catalysts. Fuel, 2004, 83, 1717-1726.	6.4	48
51	Dry reforming of methane over Ni/Ce0.62Zr0.38O2 catalysts: Effect of Ni loading on the catalytic activity and on H2/CO production. Comptes Rendus Chimie, 2015, 18, 1242-1249.	0.5	48
52	Evolution of unburnt hydrocarbons under "cold-start―conditions from adsorption/desorption to conversion: On the screening of zeolitic materials. Applied Catalysis B: Environmental, 2014, 158-159, 48-59.	20.2	47
53	Sooting tendencies of primary reference fuels in atmospheric laminar diffusion flames burning into vitiated air. Combustion and Flame, 2014, 161, 1575-1586.	5.2	47
54	Catalytic activity of hydrotalcite-derived catalysts in the dry reforming of methane: on the effect of Ce promotion and feed gas composition. Reaction Kinetics, Mechanisms and Catalysis, 2017, 121, 185-208.	1.7	47

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55	On the Characterisation of Silver Species for SCR of NO x with Ethanol. Catalysis Letters, 2009, 128, 25-30.	2.6	46
56	One-Step Synthesis of Highly Active and Stable Ni–ZrO _{<i>x</i>} for Dry Reforming of Methane. Industrial & Engineering Chemistry Research, 2020, 59, 11441-11452.	3.7	46
57	Silver supported mesoporous SBA-15 as potential catalysts for SCR NOx by ethanol. Applied Catalysis B: Environmental, 2009, 91, 640-648.	20.2	45
58	Catalytic combustion of methane over mesoporous silica supported palladium. Catalysis Today, 2011, 176, 36-40.	4.4	44
59	MnOx-CeO2 mixed oxides as the catalyst for NO-assisted soot oxidation: The key role of NO adsorption/desorption on catalytic activity. Applied Surface Science, 2018, 462, 678-684.	6.1	43
60	Efficient removal of cadmium and 2-chlorophenol in aqueous systems by natural clay: Adsorption and photo-Fenton degradation processes. Comptes Rendus Chimie, 2018, 21, 253-262.	0.5	42
61	Transient Studies of Oxygen Removal Pathways and Catalytic Redox Cycles during NO Decomposition on Cuâ~'ZSM5. Journal of Physical Chemistry B, 2002, 106, 9633-9641.	2.6	41
62	Impacts of ester's carbon chain length and concentration on sooting propensities and soot oxidative reactivity: Application to Diesel and Biodiesel surrogates. Fuel, 2018, 222, 586-598.	6.4	40
63	On the enhancing effect of Ce in Pd-MOR catalysts for NOx CH4-SCR: A structure-reactivity study. Applied Catalysis B: Environmental, 2016, 195, 121-131.	20.2	39
64	Sooting propensities of some gasoline surrogate fuels: Combined effects of fuel blending and air vitiation. Combustion and Flame, 2015, 162, 1840-1847.	5.2	38
65	Detailed Kinetic Analysis of Soot Oxidation by NO ₂ , NO, and NO + O ₂ . Journal of Physical Chemistry C, 2012, 116, 4642-4654.	3.1	37
66	Particular characteristics of silver species on Ag-exchanged LTL zeolite in K and H form. Microporous and Mesoporous Materials, 2013, 169, 137-147.	4.4	37
67	CH4-SCR of NO over Co and Pd ferrierite catalysts: Effect of preparation on catalytic performance. Catalysis Today, 2007, 119, 156-165.	4.4	36
68	A TEM and UV–visible study of silver reduction by ethanol in Ag–alumina catalysts. Applied Catalysis A: General, 2011, 406, 94-101.	4.3	36
69	Ni–Al hydrotalcite-like material as the catalyst precursors for the dry reforming of methane at low temperature. Comptes Rendus Chimie, 2015, 18, 1205-1210.	0.5	36
70	Ce- and Y-Modified Double-Layered Hydroxides as Catalysts for Dry Reforming of Methane: On the Effect of Yttrium Promotion. Catalysts, 2019, 9, 56.	3.5	35
71	Effect of ceria promotion on the catalytic performance of Ni/SBA-16 catalysts for CO ₂ methanation. Catalysis Science and Technology, 2020, 10, 6330-6341.	4.1	35
72	On the effect of yttrium promotion on Ni-layered double hydroxides-derived catalysts for hydrogenation of CO2 to methane. International Journal of Hydrogen Energy, 2021, 46, 12169-12179.	7.1	35

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73	Soot volume fraction fields in unsteady axis-symmetric flames by continuous laser extinction technique. Optics Express, 2012, 20, 28742.	3.4	34
74	Plasma-assisted catalytic oxidation of methane. Applied Catalysis B: Environmental, 2008, 82, 50-57.	20.2	33
75	Synthetic gas bench study of a 4-way catalytic converter: Catalytic oxidation, NOx storage/reduction and impact of soot loading and regeneration. Applied Catalysis B: Environmental, 2009, 90, 339-346.	20.2	33
76	Effect of nickel incorporation into hydrotalcite-based catalyst systems for dry reforming of methane. Research on Chemical Intermediates, 2015, 41, 9485-9495.	2.7	32
77	Photo-Fenton oxidation of phenol over a Cu-doped Fe-pillared clay. Comptes Rendus Chimie, 2015, 18, 1161-1169.	0.5	32
78	Deep HDS on doped molybdenum carbides: From probe molecules to real feedstocks. Catalysis Today, 2005, 107-108, 520-530.	4.4	31
79	Reforming of Model Gasification Tar Compounds. Catalysis Letters, 2009, 128, 40-48.	2.6	31
80	Investigation of the nature of silver species on different Ag-containing NOx reduction catalysts: On the effect of the support. Applied Catalysis B: Environmental, 2014, 150-151, 204-217.	20.2	31
81	Sonocatalytic oxidation of EDTA in aqueous solutions over noble metal-free Co3O4/TiO2 catalyst. Applied Catalysis B: Environmental, 2019, 241, 570-577.	20.2	31
82	Structure-reactivity study of model and Biodiesel soot in model DPF regeneration conditions. Fuel, 2019, 239, 373-386.	6.4	31
83	Impacts on human mortality due to reductions in PM10 concentrations through different traffic scenarios in Paris, France. Science of the Total Environment, 2020, 698, 134257.	8.0	31
84	Numerical study of soot formation in laminar coflow diffusion flames of methane doped with primary reference fuels. Combustion and Flame, 2015, 162, 1153-1163.	5.2	30
85	Detailed Kinetic Modeling Study of NOx Oxidation and Storage and Their Interactions over Pt/Ba/Al ₂ O ₃ Monolith Catalysts. Journal of Physical Chemistry C, 2010, 114, 7102-7111.	3.1	29
86	Ni/CeO ₂ Nanoparticles Promoted by Yttrium Doping as Catalysts for CO ₂ Methanation. ACS Applied Nano Materials, 2020, 3, 12355-12368.	5.0	29
87	Carbon-resistant NiO-Y2O3-nanostructured catalysts derived from double-layered hydroxides for dry reforming of methane. Catalysis Today, 2021, 366, 103-113.	4.4	29
88	Investigation of Cu promotion effect on hydrotalcite-based nickel catalyst for CO2 methanation. Catalysis Today, 2022, 384-386, 133-145.	4.4	29
89	Experimental assessment of the sudden-reversal of the oxygen dilution effect on soot production in coflow ethylene flames. Combustion and Flame, 2017, 183, 242-252.	5.2	28
90	Natural clay-based Ni-catalysts for dry reforming of methane at moderate temperatures. Catalysis Today, 2018, 306, 51-57.	4.4	28

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91	Mg-promotion of Ni natural clay-supported catalysts for dry reforming of methane. RSC Advances, 2018, 8, 19627-19634.	3.6	28
92	Excess-methane dry and oxidative reforming on Ni-containing hydrotalcite-derived catalysts for biogas upgrading into synthesis gas. International Journal of Hydrogen Energy, 2018, 43, 11981-11989.	7.1	28
93	Plasma-catalytic hybrid process for CO2 methanation: optimization of operation parameters. Reaction Kinetics, Mechanisms and Catalysis, 2019, 126, 629-643.	1.7	27
94	Catalysed diesel particulate filter: Study of the reactivity of soot arising from biodiesel combustion. Catalysis Today, 2011, 176, 219-224.	4.4	26
95	Title is missing!. Catalysis Letters, 2001, 72, 91-97.	2.6	25
96	Ceria and zirconia modified natural clay based nickel catalysts for dry reforming of methane. International Journal of Hydrogen Energy, 2017, 42, 23508-23516.	7.1	25
97	Highly Carbon-Resistant Y Doped NiO–ZrOm Catalysts for Dry Reforming of Methane. Catalysts, 2019, 9, 1055.	3.5	25
98	Kinetic modelling of the oxidation of a wide range of carbon materials. Combustion and Flame, 2012, 159, 64-76.	5.2	24
99	Effect of Biodiesel impurities (K, Na, P) on non-catalytic and catalytic activities of Diesel soot in model DPF regeneration conditions. Fuel Processing Technology, 2020, 199, 106293.	7.2	24
100	Identification of the active acid sites of fluorinated alumina catalysts dedicated to n-butene/isobutane alkylation. Applied Catalysis A: General, 2003, 251, 369-383.	4.3	23
101	Kinetic Modeling Study of the Oxidation of Carbon Monoxide–Hydrogen Mixtures over Pt/Al2O3 and Rh/Al2O3 Catalysts. Journal of Physical Chemistry C, 2011, 115, 20225-20236.	3.1	23
102	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. Journal of CO2 Utilization, 2020, 42, 101317.	6.8	23
103	Tailoring physicochemical and electrical properties of Ni/CeZrOx doped catalysts for high efficiency of plasma catalytic CO2 methanation. Applied Catalysis B: Environmental, 2021, 294, 120233.	20.2	23
104	Plasma catalytic oxidation of methane on alumina-supported noble metal catalysts. Applied Catalysis B: Environmental, 2008, 84, 214-222.	20.2	22
105	Modelling the kinetics of NO oxidation and NOx storage over platinum, ceria and ceria zirconia. Applied Catalysis B: Environmental, 2012, 111-112, 415-423.	20.2	22
106	Influence of synthesis parameters of SBA-15 supported palladium catalysts for methane combustion and simultaneous NOx reduction. Microporous and Mesoporous Materials, 2014, 183, 1-8.	4.4	22
107	Vanadium promoted Ni(Mg,Al)O hydrotalcite-derived catalysts for CO2 methanation. International Journal of Hydrogen Energy, 2021, 46, 17776-17783.	7.1	22
108	Structured Pd/ <i>γ</i> -Al _{2} O _{3} Prepared by Washcoated Deposition on a Ceramic Honeycomb for Compressed Natural Gas Applications. Journal of Nanoparticles, 2015, 2015, 1-9.	1.4	21

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109	Alumina supported cobalt–palladium catalysts for the reduction of NO by methane in stationary sources. Catalysis Today, 2007, 119, 166-174.	4.4	20
110	NO _x Reduction over CeO ₂ –ZrO ₂ Supported Iridium Catalyst in the Presence of Propanol. Topics in Catalysis, 2004, 30/31, 97-101.	2.8	19
111	Titanium Dioxide Supported on Different Porous Materials as Photocatalyst for the Degradation of Methyl Green in Wastewaters. Advances in Materials Science and Engineering, 2015, 2015, 1-10.	1.8	19
112	Stable NiO–CeO2 nanoparticles with improved carbon resistance for methane dry reforming. Journal of Rare Earths, 2022, 40, 57-62.	4.8	19
113	Electrocatalytic behaviour of CeZrO _x -supported Ni catalysts in plasma assisted CO ₂ methanation. Catalysis Science and Technology, 2020, 10, 4532-4543.	4.1	18
114	Effect of Na and K impurities on the performance of Ni/CeZrOx catalysts in DBD plasma-catalytic CO2 methanation. Fuel, 2021, 306, 121639.	6.4	18
115	Stochastic Simulation and Single Events Kinetic Modeling: Application to Olefin Oligomerization. Industrial & Engineering Chemistry Research, 2008, 47, 4308-4316.	3.7	17
116	Ceria–zirconia-supported rhodium catalyst for NOx reduction from coal combustion flue gases. Applied Catalysis B: Environmental, 2009, 90, 535-544.	20.2	17
117	Organic pollutants oxidation by needle/plate plasma discharge: On the influence of the gas nature. Chemical Engineering and Processing: Process Intensification, 2014, 82, 185-192.	3.6	17
118	The effect of adsorbed oxygen species on carbon-resistance of Ni-Zr catalyst modified by Al and Mn for dry reforming of methane. Catalysis Today, 2022, 384-386, 257-264.	4.4	17
119	Improvement of the activity of CO2 methanation in a hybrid plasma-catalytic process in varying catalyst particle size or under pressure. Journal of CO2 Utilization, 2021, 46, 101471.	6.8	17
120	Dry reforming of methane over Ni–ZrOx catalysts doped by manganese: On the effect of the stability of the structure during time on stream. Applied Catalysis A: General, 2021, 617, 118120.	4.3	17
121	Supported Molybdenum Carbides Lie Between Metallic and Sulfided Catalysts for Deep HDS. Catalysis Letters, 2003, 86, 133-138.	2.6	16
122	The effect of the Rh–Al, Pt–Al and Pt–Rh–Al surface alloys on NO conversion to N2 on alumina supported Rh, Pt and Pt–Rh catalysts. Catalysis Today, 2007, 119, 187-193.	4.4	16
123	Extension of a kinetic model for NO oxidation and NOx storage to fixed-bed Pt/Ba/Al2O3 catalysts. Catalysis Communications, 2010, 12, 54-57.	3.3	16
124	Controlled preparation of CoPdSiBEA zeolite catalysts for selective catalytic reduction of NO with methane and their characterisation by XRD, DR UV–vis, TPR, XPS. Catalysis Today, 2011, 176, 72-76.	4.4	16
125	Multi-scale flow simulation of automotive catalytic converters. Chemical Engineering Science, 2014, 116, 161-171.	3.8	16
126	Influence of gas hourly space velocity on the activity of monolithic catalysts for the simultaneous removal of soot and NOx. Comptes Rendus Chimie, 2015, 18, 1007-1012.	0.5	16

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127	Methane, Propene and Toluene Oxidation by Plasma-Pd/Î ³ -Al2O3 Hybrid Reactor: Investigation of a Synergetic Effect. Topics in Catalysis, 2017, 60, 326-332.	2.8	16
128	Biofuel Impact on Diesel Engine After-Treatment: Deactivation Mechanisms and Soot Reactivity. Emission Control Science and Technology, 2018, 4, 15-32.	1.5	16
129	Synthesis strategies of Zr- and Y-promoted mixed oxides derived from double-layered hydroxides for syngas production via dry reforming of methane. International Journal of Hydrogen Energy, 2021, 46, 12128-12144.	7.1	16
130	Tailoring the yttrium content in Ni-Ce-Y/SBA-15 mesoporous silicas for CO2 methanation. Catalysis Today, 2021, 382, 104-119.	4.4	16
131	Ultrasmall bimetallic Cu/ZnOx nanoparticles encapsulated in UiO-66 by deposition–precipitation method for CO2 hydrogenation to methanol. Fuel, 2022, 324, 124694.	6.4	16
132	Selective reduction of NOx by hydrogen and methane in natural gas stationary sources over alumina-supported Pd, Co and Co/Pd catalysts. Catalysis Today, 2008, 137, 179-184.	4.4	15
133	Methane oxidation by NO and O2 from reverse spillover on alumina supported palladium catalysts. Catalysis Communications, 2008, 9, 1704-1708.	3.3	15
134	Mesostructured or Alumina-mesostructured Silica SBA-16 as Potential Support for NOx Reduction and Ethanol Oxidation. Catalysis Letters, 2010, 139, 50-55.	2.6	15
135	Catalytic performance of platinum doped tungsten carbide in simultaneous hydrodenitrogenation and hydrodesulphurization. Applied Catalysis B: Environmental, 2010, 93, 241-249.	20.2	15
136	Study of the use of fluidized bed plasma reactors for the treatment of alumina supported palladium catalyst: Application for SCR NOx by CH4 in stationary sources. Catalysis Communications, 2010, 12, 20-24.	3.3	15
137	Palladium catalysts supported on sulfated ceria–zirconia for the selective catalytic reduction of NOx by methane: Catalytic performances and nature of active Pd species. Catalysis Today, 2011, 176, 242-249.	4.4	15
138	SCR NO x mechanistic study with a mixture of hydrocarbons representative of the exhaust gas from coal combustion over Rh/Ce 0.62 Zr 0.38 O 2 catalyst. Fuel, 2015, 150, 21-28.	6.4	15
139	Solution combustion synthesis as an alternative synthesis route for novel Ni-Mg-Al mixed-oxide catalyst for CO2 methanation. Journal of CO2 Utilization, 2022, 60, 101983.	6.8	15
140	Impact of the Catalyst/Soot Ratio on Diesel Soot Oxidation Pathways. Energy & Fuels, 2012, 26, 6091-6097.	5.1	14
141	Ni–Mo2C supported on alumina as a substitute for Ni–Mo reduced catalysts supported on alumina material for dry reforming of methane. Comptes Rendus Chimie, 2018, 21, 247-252.	0.5	14
142	Effect of Acidâ€Basic Sites Ratio on the Catalytic Activity to Obtain 5â€HMF from Glucose Using Al2O3â€TiO2â€W Catalysts. ChemistrySelect, 2018, 3, 12854-12864.	1.5	14
143	Modified layered clays as catalysts for ethanol oxidation. Catalysis Today, 2011, 176, 154-158.	4.4	13
144	Catalytic activity of layered aluminosilicates for VOC oxidation in the presence of NOx. Comptes Rendus Chimie, 2015, 18, 1106-1113.	0.5	13

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145	Aging of Commercial Diesel Oxidation Catalysts: A preliminary Structure/Reactivity Study. Topics in Catalysis, 2016, 59, 1039-1043.	2.8	13
146	Coupling experiment and simulation analysis to investigate physical parameters of CO ₂ methanation in a plasma atalytic hybrid process. Plasma Processes and Polymers, 2020, 17, 1900261.	3.0	13
147	Methane activation by NO2 on Co loaded SBA-15 catalysts: The effect of mesopores (length, diameter) on the catalytic activity. Catalysis Today, 2008, 137, 191-196.	4.4	12
148	Study of the surface evolution of nitrogen species on CuO/CeZrO2 catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2013, 109, 43-56.	1.7	12
149	NO _x SCR with decane using Ag–MFI catalysts: on the effect of silver content and co-cation presence. Catalysis Science and Technology, 2016, 6, 3038-3048.	4.1	12
150	Probing the local radiative quenching during the transition from a non-smoking to a smoking laminar coflow ethylene/air non-premixed flame. Combustion and Flame, 2019, 203, 120-129.	5.2	12
151	CO2 reforming in CH4 over Ni/γ-Al2O3 nano catalyst: Effect of cold plasma surface discharge. Applied Surface Science, 2020, 501, 144175.	6.1	12
152	Hydrodeoxygenation of benzyl alcohol on transition-metal-containing mixed oxides catalysts derived from layered double hydroxide precursors. Catalysis Today, 2021, 366, 235-244.	4.4	12
153	Co-Precipitated Ni-Mg-Al Hydrotalcite-Derived Catalyst Promoted with Vanadium for CO2 Methanation. Molecules, 2021, 26, 6506.	3.8	12
154	Methanol interaction with NO2: An attempt to identify intermediate compounds in CH4-SCR of NO with Co/Pd-HFER catalyst. Catalysis Today, 2008, 137, 157-161.	4.4	11
155	Effect of the Synthesis Method on Alumina Supported Silver Based Catalyst for NO x Selective Reduction by Ethanol. Topics in Catalysis, 2009, 52, 1781-1785.	2.8	11
156	deNOx over Ag/H-ZSM-5: Study of NO2 interaction with ethanol. Catalysis Today, 2011, 176, 81-87.	4.4	11
157	Effect of Biofuels on Catalyzed Diesel Particulate Filter Regeneration. Topics in Catalysis, 2013, 56, 462-466.	2.8	11
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