Stefania Specchia

List of Publications by Year
in descending order

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142	5,446	53794	118850
papers	citations	45 h-index	62 g-index

145	145	145	5415
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Performance of a Fe-N-C catalyst for the oxygen reduction reaction in direct methanol fuel cell: Cathode formulation optimization and short-term durability. Applied Catalysis B: Environmental, 2017, 201, 253-265.	20.2	152
2	Kinetics of Oxygen Electroreduction on Meâ€“Nâ€“C (Me = Fe, Co, Cu) Catalysts in Acidic Medium: Insights on the Effect of the Transition Metal. Journal of Physical Chemistry C, 2017, 121, 17796-17817.	3.1	128
3	Fe-N/C catalysts for oxygen reduction reaction supported on different carbonaceous materials. Performance in acidic and alkaline direct alcohol fuel cells. Applied Catalysis B: Environmental, 2017, 205, 637-653.	20.2	115
4	Activity and degradation study of an Fe-N-C catalyst for ORR in Direct Methanol Fuel Cell (DMFC). Applied Catalysis B: Environmental, 2020, 262, 118217.	20.2	113
5	CO-selective methanation over Ruâ€“Î³Al2O3 catalysts in H2-rich gas for PEM FC applications. Chemical Engineering Science, 2010, 65, 590-596.	3.8	109
6	Optimization of Pd catalysts supported on Co3O4 for low-temperature lean combustion of residual methane. Applied Catalysis B: Environmental, 2017, 206, 712-725.	20.2	107
7	Removal of NO3â¯ from water by electrochemical reduction in different reactor configurations. Applied Catalysis B: Environmental, 2006, 66, 40-50.	20.2	95
8	Oxidative reforming of diesel fuel over LaCoO3 perovskite derived catalysts: Influence of perovskite synthesis method on catalyst properties and performance. Applied Catalysis B: Environmental, 2011, 105, 276-288.	20.2	93
9	Syngas production by methane oxy-steam reforming on Me/CeO2 (Me = Rh, Pt, Ni) catalyst lined on cordierite monoliths. Applied Catalysis B: Environmental, 2015, 162, 551-563.	20.2	93
10	Surface chemistry and reactivity of ceriaâ€“zirconia-supported palladium oxide catalysts for natural gas combustion. Journal of Catalysis, 2009, 263, 134-145.	6.2	86
11	Photocatalytic reduction of Hg(II) on TiO2 and Ag/TiO2 prepared by the solâ€“gel and impregnation methods. Desalination, 2011, 270, 241-247.	8.2	85
12	Estimation of hydrogen crossover through NafionÂ® membranes in PEMFCs. Journal of Power Sources, 2011, 196, 1833-1839.	7.8	80
13	Mesoporous carbons supported non-noble metal Feâ€“N X electrocatalysts for PEM fuel cell oxygen reduction reaction. Journal of Applied Electrochemistry, 2013, 43, 159-169.	2.9	78
14	H 2 -rich syngas production through mixed residual biomass and HDPE waste via integrated catalytic gasification and tar cracking plus bio-char upgrading. Chemical Engineering Journal, 2017, 308, 578-587.	12.7	78
15	Non-noble Feâ€“NX electrocatalysts supported on the reduced graphene oxide for oxygen reduction reaction. Carbon, 2014, 76, 386-400.	10.3	77
16	Recent trends on the application of PGM-free catalysts at the cathode of anion exchange membrane fuel cells. Current Opinion in Electrochemistry, 2018, 9, 240-256.	4.8	75
17	Activity of Coâ€“N multi walled carbon nanotubes electrocatalysts for oxygen reduction reaction in acid conditions. Journal of Power Sources, 2015, 278, 296-307.	7.8	73
18	Diesel fuel processor for PEM fuel cells: Two possible alternatives (ATR versus SR). Journal of Power Sources, 2006, 154, 379-385.	7.8	71

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19	Feâ€“N supported on graphitic carbon nano-networks grown from cobalt as oxygen reduction catalysts for low-temperature fuel cells. Applied Catalysis B: Environmental, 2015, 166-167, 75-83.	20.2	69
20	Influence of different transition metals on the properties of Meâ€“Nâ€“C (MeÂ=ÂFe, Co, Cu, Zn) catalysts synthesized using SBA-15 as tubular nano-silica reactor for oxygen reduction reaction. International Journal of Hydrogen Energy, 2016, 41, 22570-22588.	7.1	67
21	Innovative carbon-free low content Pt catalyst supported on Mo-doped titanium suboxide (Ti3O5-Mo) for stable and durable oxygen reduction reaction. Applied Catalysis B: Environmental, 2017, 201, 419-429.	20.2	66
22	Comparative Study on Steam and Oxidative Steam Reforming of Methane with Noble Metal Catalysts. Industrial & Engineering Chemistry Research, 2013, 52, 15428-15436.	3.7	65
23	Performance evaluation and comparison of fuel processors integrated with PEM fuel cell based on steam or autothermal reforming and on CO preferential oxidation or selective methanation. Applied Energy, 2015, 143, 138-153.	10.1	64
24	BIOFEAT: Biodiesel fuel processor for a vehicle fuel cell auxiliary power unit. Journal of Power Sources, 2005, 149, 8-14.	7.8	63
25	Fuel processing activities at European level: A panoramic overview. International Journal of Hydrogen Energy, 2014, 39, 17953-17968.	7.1	63
26	Hybrid ordered mesoporous carbons doped with tungsten trioxide as supports for Pt electrocatalysts for methanol oxidation reaction. Electrochimica Acta, 2013, 94, 80-91.	5.2	61
27	In situ combustion synthesis of perovskite catalysts for efficient and clean methane premixed metal burners. Chemical Engineering Science, 2004, 59, 5091-5098.	3.8	59
28	A micro-structured 5kW complete fuel processor for iso-octane as hydrogen supply system for mobile auxiliary power unitsPart IIâ€”Development of waterâ€“gas shift and preferential oxidation catalysts reactors and assembly of the fuel processor. Chemical Engineering Journal, 2008, 138, 474-489.	12.7	57
29	Kinetic Studies on Pd/CexZr1â^'xO2Catalyst for Methane Combustion. Industrial & Engineering Chemistry Research, 2010, 49, 11101-11111.	3.7	56
30	Solution Combustion Synthesis as intriguing technique to quickly produce performing catalysts for specific applications. Studies in Surface Science and Catalysis, 2010, 175, 59-67.	1.5	56
31	Electrochemical Performance of Pt-Based Catalysts Supported on Different Ordered Mesoporous Carbons (Pt/OMCs) for Oxygen Reduction Reaction. Industrial & Engineering Chemistry Research, 2012, 51, 7500-7509.	3.7	56
32	CO selective methanation in H2-rich gas for fuel cell application: Microchannel reactor performance with Ru-based catalysts. Chemical Engineering Journal, 2011, 167, 616-621.	12.7	55
33	Application of a non-noble Fe-N-C catalyst for oxygen reduction reaction in an alkaline direct ethanol fuel cell. Renewable Energy, 2018, 115, 226-237.	8.9	54
34	Pd/Co3O4-based catalysts prepared by solution combustion synthesis for residual methane oxidation in lean conditions. Catalysis Today, 2015, 257, 66-71.	4.4	53
35	Catalytic Performance of Rhodium-Based Catalysts for CO Preferential Oxidation in H₂-Rich Gases. Industrial & Engineering Chemistry Research, 2008, 47, 5304-5312.	3.7	52
36	Catalytic partial oxidation of CH4 with nickelâ€“lanthanum-based catalysts. Catalysis Today, 2011, 171, 84-96.	4.4	52

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37	Optimal compositional and structural design of a LaMnO3/ZrO2/Pd-based catalyst for methane combustion. Catalysis Today, 2005, 100, 275-281.	4.4	51
38	Ru-based catalysts for CO selective methanation reaction in H2-rich gases. Catalysis Today, 2011, 164, 282-287.	4.4	51
39	Varying the morphology of Fe-N-C electrocatalysts by templating Iron Phthalocyanine precursor with different porous SiO 2 to promote the Oxygen Reduction Reaction. Electrochimica Acta, 2015, 177, 43-50.	5.2	51
40	Concept Study on ATR and SR Fuel Processors for Liquid Hydrocarbons. Industrial & Engineering Chemistry Research, 2006, 45, 5298-5307.	3.7	49
41	MCFC-based marine APU: Comparison between conventional ATR and cracking coupled with SR integrated inside the stack pressurized vessel. International Journal of Hydrogen Energy, 2009, 34, 2026-2042.	7.1	49
42	Polypyrroleâ€Derived Feâˆ’Coâˆ’Nâˆ’C Catalyst for the Oxygen Reduction Reaction: Performance in Alkaline Hydrogen and Ethanol Fuel Cells. ChemElectroChem, 2018, 5, 1954-1965.	3.4	49
43	Highly active platinum supported on Mo-doped titanium nanotubes suboxide (Pt/TNTS-Mo) electrocatalyst for oxygen reduction reaction in PEMFC. Renewable Energy, 2018, 120, 209-219.	8.9	48
44	Production of hydrogen by methane dry reforming over ruthenium-nickel based catalysts deposited on Al2O3, MgAl2O4, and YSZ. International Journal of Hydrogen Energy, 2019, 44, 25706-25716.	7.1	48
45	Catalytic performance of Auâ€“TiO2 catalysts prepared by depositionâ€“precipitation for CO preferential oxidation in H2-rich gases. Chemical Engineering Journal, 2007, 134, 45-50.	12.7	47
46	Compact direct methanol fuel cells for portable application. Journal of Power Sources, 2008, 176, 460-467.	7.8	46
47	Production of hydrogen by methane dry reforming: A study on the effect of cerium and lanthanum on Ni/MgAl2O4 catalyst performance. International Journal of Hydrogen Energy, 2020, 45, 21392-21408.	7.1	44
48	Performance analysis of Feâ€“Nâ€“C catalyst for DMFC cathodes: Effect of water saturation in the cathodic catalyst layer. International Journal of Hydrogen Energy, 2016, 41, 22605-22618.	7.1	42
49	Analysis of Ru/La-Al2O3 catalyst loading on alumina monoliths and controlling regimes in methane steam reforming. Chemical Engineering Journal, 2018, 334, 1792-1807.	12.7	42
50	Solution combustion synthesis for preparation of structured catalysts: A mini-review on process intensification for energy applications and pollution control. International Journal of Self-Propagating High-Temperature Synthesis, 2017, 26, 166-186.	0.5	41
51	Syngas production by steam and oxy-steam reforming of biogas on monolith-supported CeO2-based catalysts. International Journal of Hydrogen Energy, 2018, 43, 11731-11744.	7.1	41
52	A hybrid Pt/NbO/CNTs catalyst with high activity and durability for oxygen reduction reaction in PEMFC. Renewable Energy, 2020, 154, 913-924.	8.9	40
53	Catalytically modified fly-ash filters for NOx reduction with NH3. Chemical Engineering Science, 1996, 51, 5289-5297.	3.8	39
54	Optimal Microstructural Design of a Catalytic Premixed FeCrAlloy Fiber Burner for Methane Combustion. Industrial & Engineering Chemistry Research, 2004, 43, 1990-1998.	3.7	39

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55	Methane oxy-steam reforming reaction: Performances of Ru/Î³-Al2O3 catalysts loaded on structured cordierite monoliths. International Journal of Hydrogen Energy, 2014, 39, 18592-18603.	7.1	38
56	A fuel cell catalyst support based on doped titanium suboxides with enhanced conductivity, durability and fuel cell performance. Journal of Materials Chemistry A, 2018, 6, 14805-14815.	10.3	38
57	High efficiency Thermo-Electric power generator. International Journal of Hydrogen Energy, 2012, 37, 1385-1398.	7.1	37
58	Catalytic combustion of residual methane on alumina monoliths and open cell foams coated with Pd/Co3O4. Chemical Engineering Journal, 2017, 326, 339-349.	12.7	37
59	Effects of using two transition metals in the synthesis of non-noble electrocatalysts for oxygen reduction reaction in direct methanol fuelÂcell. Electrochimica Acta, 2018, 266, 220-232.	5.2	37
60	Conceptual design and selection of a biodiesel fuel processor for a vehicle fuel cell auxiliary power unit. Journal of Power Sources, 2005, 145, 683-690.	7.8	36
61	Fuel processor based on syngas production via short contact time catalytic partial oxidation reactors. Applied Catalysis B: Environmental, 2007, 70, 525-531.	20.2	36
62	Catalytic Performance of Pd/Co₃O₄ on SiC and ZrO₂ Open Cell Foams for Process Intensification of Methane Combustion in Lean Conditions. Industrial & Engineering Chemistry Research, 2017, 56, 6625-6636.	3.7	36
63	Benchmark comparison of Co3O4 spinel-structured oxides with different morphologies for oxygen evolution reaction under alkaline conditions. Journal of Applied Electrochemistry, 2017, 47, 295-304.	2.9	36
64	Oxygen evolution catalysis in alkaline conditions over hard templated nickel-cobalt based spinel oxides. International Journal of Hydrogen Energy, 2017, 42, 27910-27918.	7.1	36
65	Mapping transition metal-MN4 macrocyclic complex catalysts performance for the critical reactivity descriptors. Current Opinion in Electrochemistry, 2021, 27, 100683.	4.8	36
66	The relationship between the structure and ethanol oxidation activity of Pt-Cu/C alloy catalysts. Electrochimica Acta, 2017, 230, 58-72.	5.2	35
67	CO Methanation Over Ruâ€“Al2O3 Catalysts: Effects of Chloride Doping on Reaction Activity and Selectivity. Topics in Catalysis, 2011, 54, 1042-1053.	2.8	34
68	The use of different types of reduced graphene oxide in the preparation of Fe-N-C electrocatalysts: capacitive behavior and oxygen reduction reaction activity in alkaline medium. Journal of Solid State Electrochemistry, 2016, 20, 3507-3523.	2.5	34
69	Optimization of a Feâ€“Nâ€“C electrocatalyst supported on mesoporous carbon functionalized with polypyrrole for oxygenÂreduction reaction under both alkaline and acidicÂconditions. International Journal of Hydrogen Energy, 2016, 41, 19610-19628.	7.1	34
70	Mapping transition metalâ€“nitrogenâ€“carbon catalystÂperformance on the critical descriptorÂdiagram. Current Opinion in Electrochemistry, 2021, 27, 100687.	4.8	34
71	Combining Catalytic Combustion and Steam Reforming in a Novel Multifunctional Reactor for On-Board Hydrogen Production from Middle Distillates. Industrial & Engineering Chemistry Research, 2005, 44, 9422-9430.	3.7	33
72	Smart synthesis of hollow core mesoporous shell carbons (HCMSC) as effective catalyst supports for methanol oxidation and oxygen reduction reactions. Journal of Solid State Electrochemistry, 2012, 16, 3087-3096.	2.5	33

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73	Engineered biochar derived from pyrolyzed waste tea as a carbon support for Fe-N-C electrocatalysts for the oxygen reduction reaction. Electrochimica Acta, 2022, 412, 140128.	5.2	33
74	Studies on Au catalysts for water gas shift reaction. International Journal of Hydrogen Energy, 2011, 36, 7750-7758.	7.1	32
75	Influence of membrane-type and flow field design on methanol crossover on a single-cell DMFC: An experimental and multi-physics modeling study. International Journal of Hydrogen Energy, 2017, 42, 27995-28010.	7.1	31
76	Insights into the effect of catalyst loading on methane steam reforming and controlling regime for metallic catalytic monoliths. International Journal of Hydrogen Energy, 2018, 43, 11778-11792.	7.1	31
77	Activity of rhodium-based catalysts for CO preferential oxidation in H2-rich gases. Topics in Catalysis, 2007, 45, 15-19.	2.8	30
78	Thermodynamic analysis of autothermal reforming of methane via entropy maximization: Hydrogen production. International Journal of Hydrogen Energy, 2014, 39, 8257-8270.	7.1	30
79	Stable and methanol tolerant Pt/TiOx-C electrocatalysts for the oxygen reduction reaction. International Journal of Hydrogen Energy, 2015, 40, 14529-14539.	7.1	30
80	Palladium/perovskite/zirconia catalytic premixed fiber burners for efficient and clean natural gas combustion. Catalysis Today, 2006, 117, 427-432.	4.4	29
81	Modeling of an APU system based on MCFC. International Journal of Hydrogen Energy, 2008, 33, 3393-3401.	7.1	29
82	Effect of S-compounds on Pd over LaMnO3Â·2ZrO2 and CeO2Â·2ZrO2 catalysts for CH4 combustion. Catalysis Today, 2009, 143, 86-93.	4.4	29
83	Biodiesel fuel processor for APU applications. International Journal of Hydrogen Energy, 2009, 34, 4495-4499.	7.1	29
84	CO preferential oxidation in H2-rich gas for fuel cell applications: Microchannel reactor performance with Rh-based catalyst. International Journal of Hydrogen Energy, 2008, 33, 3045-3048.	7.1	28
85	Final step for CO syngas clean-up: Comparison between CO-PROX and CO-SMET processes. International Journal of Hydrogen Energy, 2014, 39, 18109-18119.	7.1	28
86	Morphology and dispersion of nanostructured manganeseâ€“cobalt spinel on various carbon supports: the effect on the oxygen reduction reaction in alkaline media. Catalysis Science and Technology, 2018, 8, 642-655.	4.1	28
87	Methane Steam Reforming on the Pt/CeO₂ Catalyst: Effect of Daily Start-Up and Shut-Down on Long-Term Stability of the Catalyst. Industrial & Engineering Chemistry Research, 2019, 58, 16395-16406.	3.7	27
88	Gold-Supported Catalysts for Medium Temperature-Water Gas Shift Reaction. Topics in Catalysis, 2009, 52, 688-692.	2.8	23
89	Development of a lab scale catalytic metal plate-channels reactor for CO preferential oxidation. Chemical Engineering Journal, 2009, 154, 246-250.	12.7	23
90	Modeling Study on the Performance of an Integrated APU Fed with Hydrocarbon Fuels. Industrial & Engineering Chemistry Research, 2010, 49, 6803-6809.	3.7	23

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91	The Use of C-MnO2 as Hybrid Precursor Support for a Pt/C-MnxO1+x Catalyst with Enhanced Activity for the Methanol Oxidation Reaction (MOR). Catalysts, 2015, 5, 1399-1416.	3.5	23
92	Bismuth molybdates prepared by solution combustion synthesis for the partial oxidation of propene. Catalysis Today, 2015, 257, 11-17.	4.4	23
93	Robust Co3O4 | Î±-Al2O3 | cordierite structured catalyst for N2O abatement â€“ Validation of the SCS method for active phase synthesis and deposition. Chemical Engineering Journal, 2019, 377, 120088.	12.7	23
94	Non-Markovian diffusion equation and diffusion in a porous catalyst. Chemical Engineering Journal, 2011, 172, 1083-1087.	12.7	22
95	Catalytic activity and long-term stability of palladium oxide catalysts for natural gas combustion: Pd supported on LaMnO3-ZrO2. Applied Catalysis B: Environmental, 2009, 92, 285-293.	20.2	21
96	Development of a planar Î¼DMFC operating at room temperature. International Journal of Hydrogen Energy, 2011, 36, 8088-8093.	7.1	21
97	Experimental studies on NafionÂ® 112 single PEM-FCs exposed to freezing conditions. International Journal of Hydrogen Energy, 2011, 36, 8070-8081.	7.1	21
98	3D multi-physics modeling of a gas diffusion electrode for oxygen reduction reaction for electrochemical energy conversion in PEM fuel cells. Applied Energy, 2016, 175, 435-450.	10.1	21
99	The Effect of Fe, Co, and Ni Structural Promotion of Cryptomelane (KMn8O16) on the Catalytic Activity in Oxygen Evolution Reaction. Electrocatalysis, 2018, 9, 762-769.	3.0	21
100	Alumina-supported nickel catalysts for catalytic partial oxidation of methane in short-contact time reactors. Catalysis Today, 2011, 176, 340-346.	4.4	20
101	Facing the catalytic combustion of CH4/H2 mixtures into monoliths. Chemical Engineering Journal, 2011, 167, 622-633.	12.7	20
102	Effects of the current density distribution on a single-cell DMFC by tuning the anode catalyst in layers of gradual loadings: Modelling and experimental approach. Chemical Engineering Journal, 2017, 322, 722-741.	12.7	20
103	Rh/CeO2 Thin Catalytic Layer Deposition on Alumina Foams: Catalytic Performance and Controlling Regimes in Biogas Reforming Processes. Catalysts, 2018, 8, 448.	3.5	20
104	PET waste as organic linker source for the sustainable preparation of MOF-derived methane dry reforming catalysts. Materials Advances, 2021, 2, 2750-2758.	5.4	20
105	High specific surface area supports for highly active Rh catalysts: Syngas production from methane at high space velocity. International Journal of Hydrogen Energy, 2018, 43, 11755-11765.	7.1	19
106	Reactivity of Mixed Ironâ€“Cobalt Spinels in the Lean Methane Combustion. Topics in Catalysis, 2017, 60, 1370-1379.	2.8	19
107	Aging of Premixed Metal Fiber Burners for Natural Gas Combustion Catalyzed with Pd/LaMnO₃Â·2ZrO₂. Industrial & Engineering Chemistry Research, 2007, 46, 6666-6673.	3.7	18
108	Surface chemistry and reactivity of Pd/BaCeO3â˜™2ZrO2 catalyst upon sulphur hydrothermal treatment for the total oxidation of methane. Applied Catalysis A: General, 2015, 505, 183-192.	4.3	18

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109	The Effect of the Preparation Method of Pd-Doped Cobalt Spinel on the Catalytic Activity in Methane Oxidation Under Lean Fuel Conditions. Topics in Catalysis, 2017, 60, 333-341.	2.8	18
110	Analysis of heat and mass transfer limitations for the combustion of methane emissions on PdO/Co3O4 coated on ceramic open cell foams. Chemical Engineering Journal, 2021, 405, 126970.	12.7	18
111	Effects of synthesis parameters on the properties and photocatalytic activity of the magnetic catalyst TiO2/CoFe2O4 applied to selenium photoreduction. Journal of Water Process Engineering, 2021, 42, 102163.	5.6	18
112	MgO and Nb2O5 oxides used as supports for Ru-based catalysts for the methane steam reforming reaction. Catalysis Today, 2015, 257, 122-130.	4.4	17
113	Thermal oxygen activation followed by in situ work function measurements over carbon-supported noble metal-based catalysts. International Journal of Hydrogen Energy, 2019, 44, 16648-16656.	7.1	17
114	Natural gas combustion catalysts for environmental-friendly domestic burners. Catalysis Today, 2009, 147, S99-S106.	4.4	16
115	Catalytic combustion of CH4 and H2 into micro-monoliths. Catalysis Today, 2010, 157, 440-445.	4.4	16
116	Experimental Insights into the Coupling of Methane Combustion and Steam Reforming in a Catalytic Plate Reactor in Transient Mode. Industrial & Engineering Chemistry Research, 2021, 60, 196-209.	3.7	15
117	Influence of the preparation method on Pt3Cu/C electrocatalysts for the oxygen reduction reaction. Electrochimica Acta, 2015, 177, 51-56.	5.2	14
118	Effect of the Catalyst Load on Syngas Production in Short Contact Time Catalytic Partial Oxidation Reactors. Industrial & Engineering Chemistry Research, 2010, 49, 1010-1017.	3.7	13
119	Synthesis optimization of carbon-supported ZrO2 nanoparticles from different organometallic precursors. Journal of Nanostructure in Chemistry, 2017, 7, 133-147.	9.1	12
120	Design Thinking as a Framework for the Design of a Sustainable Waste Sterilization System: The Case of Piedmont Region, Italy. Electronics (Switzerland), 2021, 10, 2665.	3.1	12
121	Ageing mechanisms on PdOx-based catalysts for natural gas combustion in premixed burners. Chemical Engineering Science, 2010, 65, 186-192.	3.8	10
122	Ammonia selective sensors based on cobalt spinel prepared by combustion synthesis. Solid State Ionics, 2019, 337, 91-100.	2.7	10
123	Combined silicon carbide and zirconia open cell foams for the process intensification of catalytic methane combustion in lean conditions: Impact on heat and mass transfer. Chemical Engineering Journal, 2022, 429, 132448.	12.7	10
124	Compact Direct Methanol Fuel Cells for Portable Applications: A Modeling Study. International Journal of Chemical Reactor Engineering, 2005, 3, .	1.1	9
125	Influence of the preparation method on the performance of Rh catalysts on CeO2 for WGS reaction. Catalysis Today, 2011, 176, 336-339.	4.4	9
126	Effect of the Co3O4 load on the performance of PdO/Co3O4/ZrO2 open cell foam catalysts for the lean combustion of methane: Kinetic and mass transfer regimes. Catalysis Today, 2022, 383, 247-258.	4.4	9

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127	Effect of Freezing Conditions on PEM-FC Components. ECS Transactions, 2009, 17, 359-368.	0.5	8
128	Non-noble Metal (NNM) Catalysts for Fuel Cells: Tuning the Activity by a Rational Step-by-Step Single Variable Evolution. , 2016, , 69-101.		8
129	Combustion of CH4/H2/Air Mixtures in Catalytic Microreactors. ChemPhysChem, 2009, 10, 783-786.	2.1	7
130	Rh-based catalysts for syngas production via SCT-CPO reactors. Catalysis Today, 2010, 155, 101-107.	4.4	7
131	Hydrocarbons valorisation to cleaner fuels: H2-rich gas production via fuel processors. Catalysis Today, 2011, 176, 191-196.	4.4	7
132	Study of an Electrochemical Alcohol Concentration Sensor: Optimization of the Anode Structure. Journal of Fuel Cell Science and Technology, 2007, 4, 345-349.	0.8	5
133	CO Preferential Oxidation Over Rh-supported Catalyst in H2-rich Gas for Fuel Cell Applications. ECS Transactions, 2007, 5, 677-685.	0.5	4
134	CO Methanation as Alternative Refinement Process for CO Abatement in H2-Rich Gas for PEM Applications. International Journal of Chemical Reactor Engineering, 2007, 5, .	1.1	3
135	Development of Water Gas Shift Supported Catalysts for Fuel Processor Units. International Journal of Chemical Reactor Engineering, 2007, 5, .	1.1	3
136	Fixed beds of Rh/Al2O3-based catalysts for syngas production in methane SCT-CPO reactors. International Journal of Hydrogen Energy, 2011, 36, 7776-7784.	7.1	3
137	Final CO Clean-up Step of Reformate Gases via Methanation Process. ECS Transactions, 2008, 12, 579-587.	0.5	2
138	Performance and Controlling Regimes Analysis of Methane Steam Reforming on Ru/Î³-Al2O3 Cordierite Monoliths. Green Energy and Technology, 2021, , 91-131.	0.6	2
139	Modeling of the Anode Flow Fields in DMFCs. International Journal of Chemical Reactor Engineering, 2008, 6, .	1.1	1
140	Planar Structure Î¼DMFCs. ECS Transactions, 2009, 17, 485-489.	0.5	0
141	THERMODYNAMIC ANALYSIS OF AUTOTHERMAL REFORMING OF METHANE VIA ENTROPY MAXIMIZATION: HYDROGEN PRODUCTION. , 0, , .		0
142	P1GS.19 - Cobalt spinel via solution combustion synthesis as an ammonia sensing material. , 2018, , .		0