

# Ioannis V Yentekakis

## List of Publications by Year in descending order

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115  
papers

5,057  
citations

61984

43  
h-index

95266

68  
g-index

121  
all docs

121  
docs citations

121  
times ranked

2619  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cerium oxide catalysts for oxidative coupling of methane reaction: Effect of lithium, samarium and lanthanum dopants. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107259.	6.7	18
2	Oxidative coupling of methane on Li/CeO <sub>2</sub> based catalysts: Investigation of the effect of Mg- and La-doping of the CeO <sub>2</sub> support. <i>Molecular Catalysis</i> , 2022, 520, 112157.	2.0	9
3	The 10th Anniversary of Nanomaterials—Recent Advances in Environmental Nanoscience and Nanotechnology. <i>Nanomaterials</i> , 2022, 12, 915.	4.1	1
4	Selective Catalytic Reduction of NO <sub>x</sub> over Perovskite-Based Catalysts Using C <sub>x</sub> H <sub>y</sub> (O <sub>z</sub> ), H <sub>2</sub> and CO as Reducing Agents—A Review of the Latest Developments. <i>Nanomaterials</i> , 2022, 12, 1042.	4.1	10
5	Catalytic performance and in situ DRIFTS studies of propane and simulated LPG steam reforming reactions on Rh nanoparticles dispersed on composite M <sub>x</sub> O <sub>y</sub> -Al <sub>2</sub> O <sub>3</sub> (M: Ti, Y, Zr, La, Ce, Nd, Gd) supports. <i>Applied Catalysis B: Environmental</i> , 2022, 316, 121668.	20.2	7
6	Highly selective and stable nickel catalysts supported on ceria promoted with Sm <sub>2</sub> O <sub>3</sub> , Pr <sub>2</sub> O <sub>3</sub> and MgO for the CO <sub>2</sub> methanation reaction. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119562.	20.2	149
7	Adsorption of Hydrogen Sulfide at Low Temperatures Using an Industrial Molecular Sieve: An Experimental and Theoretical Study. <i>ACS Omega</i> , 2021, 6, 14774-14787.	3.5	29
8	Highly selective and stable Ni/La-M (M=Sm, Pr, and Mg)-CeO <sub>2</sub> catalysts for CO <sub>2</sub> methanation. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 51, 101618.	6.8	78
9	Cost-Effective Adsorption of Oxidative Coupling-Derived Ethylene Using a Molecular Sieve. <i>Chemical Engineering and Technology</i> , 2021, 44, 2041.	1.5	4
10	A review of recent efforts to promote dry reforming of methane (DRM) to syngas production via bimetallic catalyst formulations. <i>Applied Catalysis B: Environmental</i> , 2021, 296, 120210.	20.2	182
11	Bimetallic Ni-Based Catalysts for CO <sub>2</sub> Methanation: A Review. <i>Nanomaterials</i> , 2021, 11, 28.	4.1	95
12	Support Induced Effects on the Ir Nanoparticles Activity, Selectivity and Stability Performance under CO <sub>2</sub> Reforming of Methane. <i>Nanomaterials</i> , 2021, 11, 2880.	4.1	23
13	The Role of Alkali and Alkaline Earth Metals in the CO <sub>2</sub> Methanation Reaction and the Combined Capture and Methanation of CO <sub>2</sub> . <i>Catalysts</i> , 2020, 10, 812.	3.5	97
14	Grand Challenges for Catalytic Remediation in Environmental and Energy Applications Toward a Cleaner and Sustainable Future. <i>Frontiers in Environmental Chemistry</i> , 2020, 1, .	1.6	34
15	CO <sub>2</sub> Methanation on Supported Rh Nanoparticles: The combined Effect of Support Oxygen Storage Capacity and Rh Particle Size. <i>Catalysts</i> , 2020, 10, 944.	3.5	35
16	Hydrogen Sulfide (H <sub>2</sub> S) Removal via MOFs. <i>Materials</i> , 2020, 13, 3640.	2.9	43
17	Advances in Heterocatalysis by Nanomaterials. <i>Nanomaterials</i> , 2020, 10, 609.	4.1	3
18	Hydrogen production via steam reforming of propane over supported metal catalysts. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 14849-14866.	7.1	29

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19	Removal of Hydrogen Sulfide (H <sub>2</sub> S) Using MOFs: A Review of the Latest Developments. , 2020, 2, .		1
20	Emissions Control Catalysis. Catalysts, 2019, 9, 912.	3.5	3
21	Oxidative Thermal Sintering and Redispersion of Rh Nanoparticles on Supports with High Oxygen Ion Lability. Catalysts, 2019, 9, 541.	3.5	43
22	Electropositive Promotion by Alkalis or Alkaline Earths of Pt-Group Metals in Emissions Control Catalysis: A Status Report. Catalysts, 2019, 9, 157.	3.5	29
23	Effect of support oxygen storage capacity on the catalytic performance of Rh nanoparticles for CO <sub>2</sub> reforming of methane. Applied Catalysis B: Environmental, 2019, 243, 490-501.	20.2	178
24	Electrocatalysis and Electrochemical Reactors. , 2019, , 445-480.		3
25	A Novel Biogas-Fueled-SOFC Aided Process for Direct Production of Electricity from Wastewater Treatment: Comparison of the Performances of High and Intermediate Temperature SOFCs. , 2019, , 624-628.		0
26	Ir-Catalysed Nitrous oxide (N <sub>2</sub> O) Decomposition: Effect of Ir Particle Size and Metal-Support Interactions. Catalysis Letters, 2018, 148, 341-347.	2.6	34
27	Studying the stability of Ni supported on modified with CeO <sub>2</sub> alumina catalysts for the biogas dry reforming reaction. Materials Today: Proceedings, 2018, 5, 27607-27616.	1.8	17
28	Editorial: Advanced Utilization and Management of Biogas. Frontiers in Environmental Science, 2018, 6, .	3.3	2
29	An in depth investigation of deactivation through carbon formation during the biogas dry reforming reaction for Ni supported on modified with CeO <sub>2</sub> and La <sub>2</sub> O <sub>3</sub> zirconia catalysts. International Journal of Hydrogen Energy, 2018, 43, 18955-18976.	7.1	165
30	Syngas production via the biogas dry reforming reaction over Ni supported on zirconia modified with CeO <sub>2</sub> or La <sub>2</sub> O <sub>3</sub> catalysts. International Journal of Hydrogen Energy, 2017, 42, 13724-13740.	7.1	160
31	Biogas Management: Advanced Utilization for Production of Renewable Energy and Added-value Chemicals. Frontiers in Environmental Science, 2017, 5, .	3.3	83
32	The Effect of WO <sub>3</sub> Modification of ZrO <sub>2</sub> Support on the Ni-Catalyzed Dry Reforming of Biogas Reaction for Syngas Production. Frontiers in Environmental Science, 2017, 5, .	3.3	26
33	Stabilization of catalyst particles against sintering on oxide supports with high oxygen ion lability exemplified by Ir-catalyzed decomposition of N <sub>2</sub> O. Applied Catalysis B: Environmental, 2016, 192, 357-364.	20.2	64
34	Effect of Alkali Promoters (K) on Nitrous Oxide Abatement Over Ir/Al <sub>2</sub> O <sub>3</sub> Catalysts. Topics in Catalysis, 2016, 59, 1020-1027.	2.8	3
35	A comparative study of the H <sub>2</sub> -assisted selective catalytic reduction of nitric oxide by propene over noble metal (Pt, Pd, Ir)/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> catalysts. Journal of Environmental Chemical Engineering, 2016, 4, 1629-1641.	6.7	23
36	Nitrous oxide decomposition over Al <sub>2</sub> O <sub>3</sub> supported noble metals (Pt, Pd, Ir): Effect of metal loading and feed composition. Journal of Environmental Chemical Engineering, 2015, 3, 815-821.	6.7	43

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37	Dry Reforming of Methane: Catalytic Performance and Stability of Ir Catalysts Supported on $\gamma$ -Al <sub>2</sub> O <sub>3</sub> , Zr <sub>0.92</sub> Y <sub>0.08</sub> O <sub>2</sub> (YSZ) or Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2</sub> (GDC) Supports. Topics in Catalysis, 2015, 58, 1228-1241.	2.8	50
38	Hydrogen production by iso-octane steam reforming over Cu catalysts supported on rare earth oxides (REOs). International Journal of Hydrogen Energy, 2014, 39, 1350-1363.	7.1	37
39	Insight into the Role of Electropositive Promoters in Emission Control Catalysis: An In Situ DRIFTS Study of NO Reduction by C <sub>3</sub> H <sub>6</sub> Over Na-Promoted Pt/Al <sub>2</sub> O <sub>3</sub> Catalysts. Topics in Catalysis, 2013, 56, 165-171.	2.8	12
40	N <sub>2</sub> O decomposition over doubly-promoted Pt(K)/Al <sub>2</sub> O <sub>3</sub> -(CeO <sub>2</sub> -La <sub>2</sub> O <sub>3</sub> ) structured catalysts: On the combined effects of promotion and feed composition. Chemical Engineering Journal, 2013, 230, 286-295.	12.7	26
41	Insights into the role of SO <sub>2</sub> and H <sub>2</sub> O on the surface characteristics and de-N <sub>2</sub> O efficiency of Pd/Al <sub>2</sub> O <sub>3</sub> catalysts during N <sub>2</sub> O decomposition in the presence of CH <sub>4</sub> and O <sub>2</sub> excess. Applied Catalysis B: Environmental, 2013, 138-139, 191-198.	20.2	32
42	Support mediated promotional effects of rare earth oxides (CeO <sub>2</sub> and La <sub>2</sub> O <sub>3</sub> ) on N <sub>2</sub> O decomposition and N <sub>2</sub> O reduction by CO or C <sub>3</sub> H <sub>6</sub> over Pt/Al <sub>2</sub> O <sub>3</sub> structured catalysts. Applied Catalysis B: Environmental, 2012, 123-124, 405-413.	20.2	58
43	Long-term operation stability tests of intermediate and high temperature Ni-based anodes' SOFCs directly fueled with simulated biogas mixtures. International Journal of Hydrogen Energy, 2012, 37, 16680-16685.	7.1	51
44	Thermal Aging Behavior of Pt-only TWC Converters Under Simulated Exhaust Conditions: Effect of Rare Earths (CeO <sub>2</sub> , La <sub>2</sub> O <sub>3</sub> ) and Alkali (Na) Modifiers. Topics in Catalysis, 2011, 54, 1124-1134.	2.8	27
45	Correlation of Surface Characteristics with Catalytic Performance of Potassium Promoted Pd/Al <sub>2</sub> O <sub>3</sub> Catalysts: The Case of N <sub>2</sub> O Reduction by Alkanes or Alkenes. Topics in Catalysis, 2011, 54, 1135-1142.	2.8	25
46	A comparison between electrochemical and conventional catalyst promotion: The case of N <sub>2</sub> O reduction by alkanes or alkenes over K-modified Pd catalysts. Solid State Ionics, 2011, 192, 653-658.	2.7	11
47	Wet oxidation of benzoic acid catalyzed by cupric ions: Key parameters affecting induction period and conversion. Applied Catalysis B: Environmental, 2011, 101, 479-485.	20.2	20
48	Synergistic structural and surface promotion of monometallic (Pt) TWCs: Effectiveness and thermal aging tolerance. Applied Catalysis B: Environmental, 2011, 106, 228-228.	20.2	13
49	An investigation of the role of Zr and La dopants into Ce <sub>1-x</sub> Zr <sub>x</sub> La <sub>y</sub> O <sub>3</sub> enriched $\gamma$ -Al <sub>2</sub> O <sub>3</sub> TWC washcoats. Applied Catalysis A: General, 2010, 382, 73-84.	4.3	54
50	Surface and Catalytic Elucidation of Rh/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Catalysts during NO Reduction by C <sub>3</sub> H <sub>8</sub> in the Presence of Excess O <sub>2</sub> , H <sub>2</sub> O, and SO <sub>2</sub> . Journal of Physical Chemistry A, 2010, 114, 3969-3980.	2.5	13
51	N <sub>2</sub> O Abatement Over $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Supported Catalysts: Effect of Reducing Agent and Active Phase Nature. Topics in Catalysis, 2009, 52, 1880-1887.	2.8	18
52	Effect of CexZryLazO <sub>3</sub> Mixed Oxides on the Structural and Catalytic Behavior of Monometallic Catalytic Converters Under Simulated Exhaust Conditions. Topics in Catalysis, 2009, 52, 1873-1879.	2.8	1
53	Development of a Ce <sub>x</sub> Zr <sub>y</sub> La <sub>z</sub> modified Pt/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> TWCs <sup>TM</sup> washcoat: Effect of synthesis procedure on catalytic behaviour and thermal durability. Applied Catalysis B: Environmental, 2009, 90, 162-174.	20.2	105
54	Electricity production from wastewater treatment via a novel biogas-SOFC aided process. Solid State Ionics, 2008, 179, 1521-1525.	2.7	44

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55	In situ DRIFTS study of the effect of structure (CeO <sub>2</sub> ∕La <sub>2</sub> O <sub>3</sub> ) and surface (Na) modifiers on the catalytic and surface behaviour of Pt/∕ <sup>3</sup> -Al <sub>2</sub> O <sub>3</sub> catalyst under simulated exhaust conditions. Applied Catalysis B: Environmental, 2008, 84, 715-722.	20.2	86
56	The effect of potassium on the Ir/C <sub>3</sub> H <sub>6</sub> +NO+O <sub>2</sub> catalytic system. Catalysis Today, 2007, 127, 199-206.	4.4	18
57	Spectroscopic evidence for the mode of action of alkali promoters in Pt-catalyzed de-NO <sub>x</sub> chemistry. Applied Catalysis B: Environmental, 2007, 76, 101-106.	20.2	37
58	NO reduction by propene or CO over alkali-promoted Pd/YSZ catalysts. Journal of Hazardous Materials, 2007, 149, 619-624.	12.4	25
59	Novel electropositively promoted monometallic (Pt-only) catalytic converters for automotive pollution control. Topics in Catalysis, 2007, 42-43, 393-397.	2.8	12
60	Open- and closed-circuit study of an intermediate temperature SOFC directly fueled with simulated biogas mixtures. Journal of Power Sources, 2006, 160, 422-425.	7.8	67
61	Catalytic and electrocatalytic behavior of Ni-based cermet anodes under internal dry reforming of CH <sub>4</sub> +CO <sub>2</sub> mixtures in SOFCs. Solid State Ionics, 2006, 177, 2119-2123.	2.7	88
62	Novel doubly-promoted catalysts for the lean NO <sub>x</sub> reduction by H <sub>2</sub> +CO: Pd(K)/Al <sub>2</sub> O <sub>3</sub> ∕(TiO <sub>2</sub> ). Applied Catalysis B: Environmental, 2006, 68, 59-67.	20.2	26
63	A comparative study of the C <sub>3</sub> H <sub>6</sub> +NO+O <sub>2</sub> , C <sub>3</sub> H <sub>6</sub> +O <sub>2</sub> and NO+O <sub>2</sub> reactions in excess oxygen over Na-modified Pt/∕ <sup>3</sup> -Al <sub>2</sub> O <sub>3</sub> catalysts. Applied Catalysis B: Environmental, 2005, 56, 229-239.	20.2	56
64	Title is missing!. Catalysis Letters, 2002, 81, 181-185.	2.6	13
65	The Reduction of NO by Propene over Ba-Promoted Pt/∕ <sup>3</sup> -Al <sub>2</sub> O <sub>3</sub> Catalysts. Journal of Catalysis, 2001, 198, 142-150.	6.2	56
66	Strong promotional effects of Li, K, Rb and Cs on the Pt-catalysed reduction of NO by propene. Applied Catalysis B: Environmental, 2001, 29, 103-113.	20.2	75
67	Optimal promotion by rubidium of the CO + NO reaction over Pt/∕ <sup>3</sup> -Al <sub>2</sub> O <sub>3</sub> catalysts. Applied Catalysis B: Environmental, 2001, 33, 293-302.	20.2	26
68	Successful application of electrochemical promotion to the design of effective conventional catalyst formulations. Solid State Ionics, 2000, 136-137, 783-790.	2.7	23
69	Strong Promotion by Na of Pt/∕ <sup>3</sup> -Al <sub>2</sub> O <sub>3</sub> Catalysts Operated under Simulated Exhaust Conditions. Journal of Catalysis, 2000, 193, 330-337.	6.2	64
70	Direct coal gasification with simultaneous production of electricity in a novel fused metal anode SOFC: a theoretical approach. Ionics, 1999, 5, 460-471.	2.4	2
71	Extraordinarily effective promotion by sodium in emission control catalysis: NO reduction by propene over Na-promoted Pt/∕ <sup>3</sup> -Al <sub>2</sub> O <sub>3</sub> . Applied Catalysis B: Environmental, 1999, 22, 123-133.	20.2	69
72	Promotion by Sodium in Emission Control Catalysis: A Kinetic and Spectroscopic Study of the Pd-Catalyzed Reduction of NO by Propene. Journal of Catalysis, 1998, 176, 82-92.	6.2	71

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73	The effect of sodium on the Pd-catalyzed reduction of NO by methane. Applied Catalysis B: Environmental, 1998, 18, 293-305.	20.2	36
74	Electrochemical vs. conventional promotion: A new tool to design effective, highly dispersed conventional catalysts. Ionics, 1998, 4, 148-156.	2.4	9
75	Electrochemical Promotion in Emission Control Catalysis: The Role of Na for the Pt-Catalysed Reduction of NO by Propene. Studies in Surface Science and Catalysis, 1998, , 255-264.	1.5	7
76	Oxidative coupling of methane to ethylene with 85% yield in a gas recycle electrocatalytic or catalytic reactor separator. Studies in Surface Science and Catalysis, 1997, 107, 307-312.	1.5	4
77	In Situ Electrochemical Promotion by Sodium of the Platinum-Catalyzed Reduction of NO by Propene. Journal of Physical Chemistry B, 1997, 101, 3759-3768.	2.6	84
78	Support-induced promotional effects on the activity of automotive exhaust catalysts. The case of oxidation of light hydrocarbons (C <sub>2</sub> H <sub>4</sub> ). Applied Catalysis B: Environmental, 1997, 14, 161-173.	20.2	75
79	In Situ Controlled Promotion of Catalyst Surfaces via NEMCA: The Effect of Na on the Pt-Catalyzed NO Reduction by H <sub>2</sub> . Journal of Catalysis, 1997, 166, 218-228.	6.2	45
80	Improvement of automotive exhaust catalysts by support and electrochemical modification induced promotional effects. Nonlinear Analysis: Theory, Methods & Applications, 1997, 30, 2353-2361.	1.1	2
81	Non-Faradaic Electrochemical Modification of Catalytic Activity. Journal of Catalysis, 1996, 159, 189-203.	6.2	75
82	Ethylene Oxidation over Platinum: In Situ Electrochemically Controlled Promotion Using Na <sup>+</sup> on Alumina and Studies with a Pt(111)/Na Model Catalyst. Journal of Catalysis, 1996, 160, 19-26.	6.2	34
83	Electrochemical Promotion by Na of the Platinum-Catalyzed Reaction between CO and NO. Journal of Catalysis, 1996, 161, 471-479.	6.2	70
84	Development of high performance, Pd-based, three way catalysts. Catalysis Today, 1996, 29, 71-75.	4.4	40
85	Oxidative coupling of methane to ethylene with 85 yield in a gas recycle electrocatalytic or catalytic reactor-separator. Studies in Surface Science and Catalysis, 1996, 101, 387-396.	1.5	6
86	Electrochemical promotion of NO reduction by CO and by propene. Studies in Surface Science and Catalysis, 1996, 101, 513-522.	1.5	42
87	Support and nemca induced promotional effects on the activity of automotive exhaust catalysts. Studies in Surface Science and Catalysis, 1995, 96, 375-385.	1.5	10
88	Electrochemical promotion of environmentally important catalytic reactions. Ionics, 1995, 1, 366-376.	2.4	30
89	Electrochemical promotion of catalyst surfaces deposited on ionic and mixed conductors. Ionics, 1995, 1, 414-420.	2.4	4
90	Catalysis, electrocatalysis and electrochemical promotion of the steam reforming of methane over Ni film and Ni-YSZ cermet anodes. Ionics, 1995, 1, 491-498.	2.4	53

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91	In situ controlled promotion of catalyst surfaces via solid electrolytes: Ethylene oxidation on Rh and propylene oxidation on Pt. <i>Ionics</i> , 1995, 1, 159-164.	2.4	7
92	Ethylene production from methane in a gas recycle electrocatalytic reactor separator. <i>Ionics</i> , 1995, 1, 286-291.	2.4	12
93	Electrochemical promotion in emission control catalysis. <i>Ionics</i> , 1995, 1, 29-31.	2.4	12
94	Non-Faradaic Electrochemical Modification of Catalytic Activity. <i>Journal of Catalysis</i> , 1995, 154, 124-136.	6.2	77
95	In Situ Controlled Promotion of Catalyst Surfaces Via Solid Electrolytes: The NEMCA Effect. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1995, 99, 1393-1401.	0.9	5
96	Electrochemical promotion in catalysis: non-faradaic electrochemical modification of catalytic activity. <i>Electrochimica Acta</i> , 1994, 39, 1849-1855.	5.2	47
97	Non-Faradaic electrochemical modification of catalytic activity: solid electrolytes as active catalyst supports. <i>Solid State Ionics</i> , 1994, 72, 321-327.	2.7	8
98	Potential-Programmed Reduction: A New Technique for Investigating the Thermodynamics and Kinetics of Chemisorption on Catalysts Supported on Solid Electrolytes. <i>Journal of Catalysis</i> , 1994, 148, 240-251.	6.2	16
99	In Situ Controlled Promotion of Pt for CO Oxidation via NEMCA Using CaF <sub>2</sub> as the Solid Electrolyte. <i>Journal of Catalysis</i> , 1994, 149, 238-242.	6.2	41
100	In Situ controlled promotion of catalyst surfaces via NEMCA: The effect of Na on the Pt-catalyzed CO oxidation. <i>Journal of Catalysis</i> , 1994, 146, 292-305.	6.2	121
101	Methane to Ethylene with 85 Percent Yield in a Gas Recycle Electrocatalytic Reactor-Separator. <i>Science</i> , 1994, 264, 1563-1566.	12.6	140
102	Ion spillover as the origin of the NEMCA effect. <i>Studies in Surface Science and Catalysis</i> , 1993, , 111-116.	1.5	3
103	Solid Electrolytes for in Situ Promotion of Catalyst Surfaces: The Nemca Effect. <i>Studies in Surface Science and Catalysis</i> , 1993, 75, 2139-2142.	1.5	1
104	Kinetics of Internal Steam Reforming of CH <sub>4</sub> and Their Effect on SOFC Performance. <i>ECS Proceedings Volumes</i> , 1993, 1993-4, 904-912.	0.1	5
105	Non-Faradaic electrochemical modification of catalytic activity: the work function of metal electrodes in solid electrolyte cells. <i>Solid State Ionics</i> , 1992, 53-56, 97-110.	2.7	8
106	Non-faradaic electrochemical modification of catalytic activity: A status report. <i>Catalysis Today</i> , 1992, 11, 303-438.	4.4	336
107	Study of the NEMCA effect in a single-pellet catalytic reactor. <i>Journal of Catalysis</i> , 1992, 137, 278-283.	6.2	58
108	Non-faradaic electrochemical modification of catalytic activity in solid electrolyte cells. <i>Applied Physics A: Solids and Surfaces</i> , 1989, 49, 95-103.	1.4	51

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109	A novel fused metal anode solid electrolyte fuel cell for direct coal gasification: a steady-state model. <i>Industrial &amp; Engineering Chemistry Research</i> , 1989, 28, 1414-1424.	3.7	23
110	Chemical Cogeneration in Solid Electrolyte Cells: The Oxidation of to. <i>Journal of the Electrochemical Society</i> , 1989, 136, 996-1002.	2.9	68
111	Solid electrolyte aided study of the mechanism of CO oxidation on polycrystalline platinum. <i>Journal of Catalysis</i> , 1988, 111, 152-169.	6.2	61
112	The effect of electrochemical oxygen pumping on the steady-state and oscillatory behavior of CO oxidation on polycrystalline Pt. <i>Journal of Catalysis</i> , 1988, 111, 170-188.	6.2	107
113	Effectiveness factors for reactions between volatile and non-volatile components in partially wetted catalysts. <i>Chemical Engineering Science</i> , 1987, 42, 1323-1332.	3.8	26
114	Cross-flow, solid-state electrochemical reactors: a steady state analysis. <i>Industrial &amp; Engineering Chemistry Fundamentals</i> , 1985, 24, 316-324.	0.7	52
115	Capture and Methanation of CO <sub>2</sub> Using Dual-Function Materials (DFMs). , 0, , .		6