Theophilos Ioannides

List of Publications by Year
in descending order

96	7,043	87723 38	56606 83
papers	citations	h-index	g-index

97	97	97	5350
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Laser-assisted transformation of a phenol-based resin to high quality graphene-like powder for supercapacitor applications. Chemical Engineering Journal, 2022, 430, 133179.	6.6	16
2	Synthesis and properties of Polymeric ionic liquids (PILs) bearing hydrophilic PEO groups: Evaluation of gas and water vapor separation performance. Separation and Purification Technology, 2022, 280, 119790.	3.9	8
3	Dimethyl Ether Hydrolysis over WO3/Î³-Al2O3 Supported Catalysts. Catalysts, 2022, 12, 396.	1.6	7
4	Biomass-derived graphene-like materials as active electrodes for supercapacitor applications: A critical review. Chemical Engineering Journal, 2022, 446, 137191.	6.6	53
5	Dimethyl Ether Oxidation over Copper Ferrite Catalysts. Catalysts, 2022, 12, 604.	1.6	3
6	Flame Retardant Nano-Structured Fillers from Huntite/Hydromagnesite Minerals. Nanomaterials, 2022, 12, 2433.	1.9	4
7	High-quality laser-assisted biomass-based turbostratic graphene for high-performance supercapacitors. Carbon, 2021, 172, 750-761.	5.4	65
8	Metal-doped carbons from polyurea-crosslinked alginate aerogel beads. Materials Advances, 2021, 2, 2684-2699.	2.6	16
9	Synthesis and characterization of poly(ethylene oxide) based copolymer membranes for efficient gas/vapor separation: Effect of PEO content and chain length. Journal of Membrane Science, 2021, 632, 119353.	4.1	15
10	Steam reforming of acetol and hydroxyacetaldehyde over natural calcite catalysts. Catalysis Today, 2020, 355, 781-787.	2.2	3
11	Study of CO2 adsorption on a commercial CuO/ZnO/Al2O3 catalyst. Catalysis Today, 2020, 357, 495-502.	2.2	29
12	Preface for SI: Catalysis for Energy and Environmental Applications. Catalysis Today, 2020, 355, 645-646.	2.2	0
13	Application of Sorbents for Oil Spill Cleanup Focusing on Natural-Based Modified Materials: A Review. Molecules, 2020, 25, 4522.	1.7	65
14	Pyridinium based Poly(Ionic Liquids) membranes with exceptional high water vapor permeability and selectivity. Separation and Purification Technology, 2020, 251, 117412.	3.9	27
15	Carbon Membranes Prepared from Poly (Furfuryl Alcoholâ€“Furfural) Precursors: Effect of FeCl3 Additive. Journal of Carbon Research, 2020, 6, 53.	1.4	4
16	Transfer of metals in the liquids of electronic cigarettes. Inhalation Toxicology, 2020, 32, 240-248.	0.8	19
17	Synthesis of Imidazolium based PILs and Investigation of Their Blend Membranes for Gas Separation. Membranes, 2019, 9, 164.	1.4	12
18	New Pyridinium Type Poly(Ionic Liquids) as Membranes for CO2 Separation. Polymers, 2018, 10, 912.	2.0	35

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19	Deep insight into Zr/Fe combination for successful Pt/CeO₂/Al₂O₃ WGS catalyst doping. Catalysis Science and Technology, 2017, 7, 1556-1564.	2.1	30
20	Enhancing water vapor permeability in mixed matrix polypropylene membranes through carbon nanotubes dispersion. Journal of Membrane Science, 2017, 524, 576-584.	4.1	36
21	Intrinsic Activity of MnOx-CeO2 Catalysts in Ethanol Oxidation. Catalysts, 2017, 7, 339.	1.6	8
22	Methanol Reforming over Cobalt Catalysts Prepared from Fumarate Precursors: TPD Investigation. Catalysts, 2016, 6, 33.	1.6	5
23	Hydrogen-rich gas generation from alcohols over cobalt-based catalysts for fuel cell feeding. Fuel Processing Technology, 2016, 148, 341-349.	3.7	13
24	Electrochemical Performance of Sn/C Nanocomposites Interphased with Varying Mixtures of Ethyl-, Dimethyl- and Vinylene-Carbonate. Journal of the Electrochemical Society, 2016, 163, A1013-A1019.	1.3	5
25	Performance evaluation of a proof-of-concept 70ÂW internal reforming methanol fuel cell system. Journal of Power Sources, 2016, 307, 875-882.	4.0	31
26	Insights on the effective incorporation of a foam-based methanol reformer in a high temperature polymer electrolyte membrane fuel cell. Journal of Power Sources, 2015, 296, 335-343.	4.0	23
27	Water Vapor Transport Enhancement Through Isotactic Polypropylene by Incorporating Multiwalled Carbon Nanotubes. Powder Metallurgy and Metal Ceramics, 2015, 53, 634-642.	0.4	0
28	Steam reforming of methanol over cobalt catalysts: Effect of cobalt oxidation state. International Journal of Hydrogen Energy, 2015, 40, 5251-5255.	3.8	6
29	In situ hydrogen utilization in an internal reforming methanol fuel cell. International Journal of Hydrogen Energy, 2014, 39, 18103-18108.	3.8	40
30	Could an efficient WGS catalyst be useful in the CO-PrOx reaction?. Applied Catalysis B: Environmental, 2014, 150-151, 554-563.	10.8	28
31	Highly active copper catalyst for low-temperature water-gas shift reaction prepared via a Cu-Mn spinel oxide precursor. Applied Catalysis A: General, 2013, 451, 184-191.	2.2	50
32	CuMnOx catalysts for internal reforming methanol fuel cells: Application aspects. International Journal of Hydrogen Energy, 2012, 37, 16739-16747.	3.8	23
33	Alcohol reforming on cobalt-based catalysts prepared from organic salt precursors. International Journal of Hydrogen Energy, 2012, 37, 16375-16381.	3.8	13
34	Effect of Graphitization Catalyst on Structure and Performance of Carbon Membranes. Procedia Engineering, 2012, 44, 1361-1362.	1.2	0
35	Kinetics of CO and H2 oxidation over CuOâ€“CeO2 and CuO catalysts. Chemical Engineering Journal, 2011, 176-177, 14-21.	6.6	19
36	Development of an internal reforming alcohol fuel cell: Concept, challenges and opportunities. Chemical Engineering Journal, 2011, 176-177, 95-101.	6.6	36

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37	CO-free hydrogen production over Au/CeO2â€“Fe2O3 catalysts: Part 1. Impact of the support composition on the performance for the preferential CO oxidation reaction. Applied Catalysis B: Environmental, 2011, 101, 256-265.	10.8	88
38	Non Noble Metal Electrocatalysts for High Temperature PEM Fuel Cells. ECS Transactions, 2009, 25, 181-189.	0.3	6
39	Synthesis of transparent silica aerogels using tetraalkylammonium fluoride catalysts. Journal of Sol-Gel Science and Technology, 2009, 49, 347-354.	1.1	11
40	Hydrogen Formation via Steam Reforming of Ethanol Over Cu/ZnO Catalyst Modified with Nickel, Cobalt and Manganese. Catalysis Letters, 2009, 128, 443-448.	1.4	10
41	Hydrogen production from methanol over combustion-synthesized noble metal/ceria catalysts. Chemical Engineering Journal, 2009, 154, 274-280.	6.6	45
42	Steady-state isotopic transient kinetic analysis of steam reforming of methanol over Cu-based catalysts. Applied Catalysis B: Environmental, 2009, 88, 490-496.	10.8	61
43	VOC oxidation over CuOâ€“CeO2 catalysts prepared by a combustion method. Applied Catalysis B: Environmental, 2009, 89, 295-302.	10.8	273
44	Reforming methanol to electricity in a high temperature PEM fuel cell. Applied Catalysis B: Environmental, 2009, 90, 628-632.	10.8	52
45	Isotopic transient study of methanol decomposition over noble metal/ceria catalysts. Catalysis Communications, 2009, 10, 682-686.	1.6	9
46	VOC oxidation over MnOxâ€“CeO2 catalysts prepared by a combustion method. Applied Catalysis B: Environmental, 2008, 84, 303-312.	10.8	460
47	Preferential CO oxidation in H2-rich gas mixtures over Au/doped ceria catalysts. Catalysis Today, 2008, 138, 239-243.	2.2	65
48	TPD and TPSR study of CO interaction with CuOâ€“CeO2 catalysts. Journal of Molecular Catalysis A, 2008, 296, 47-53.	4.8	39
49	Catalytic performance and characterization of Au/doped-ceria catalysts for the preferential CO oxidation reaction. Journal of Catalysis, 2008, 256, 237-247.	3.1	145
50	PROX reaction over CuOâ€“CeO2 catalyst with reformate gas containing methanol. Catalysis Communications, 2008, 9, 1656-1660.	1.6	21
51	Effect of additives on the WGS activity of combustion synthesized CuO/CeO2 catalysts. Catalysis Communications, 2007, 8, 101-106.	1.6	81
52	Waterâ€“gas shift activity of doped Pt/CeO2 catalysts. Chemical Engineering Journal, 2007, 134, 16-22.	6.6	153
53	Combined steam reforming of methanol over Cuâ€“Mn spinel oxide catalysts. Journal of Catalysis, 2007, 251, 7-20.	3.1	191
54	Effect of dopants on the performance of CuOâ€“CeO2 catalysts in methanol steam reforming. Applied Catalysis B: Environmental, 2007, 69, 226-234.	10.8	102

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55	Complete Oxidation of Methane over Palladium Supported on Alumina Modified with Calcium, Lanthanum, and Cerium Ions. Journal of Natural Gas Chemistry, 2007, 16, 342-348.	1.8	17
56	Adsorption and reaction of CO on CuOâ€“CeO2 catalysts prepared by the combustion method. Catalysis Letters, 2007, 116, 15-22.	1.4	33
57	A comparative study of ceria-supported gold and copper oxide catalysts for preferential CO oxidation reaction. Chemical Engineering Journal, 2006, 124, 41-45.	6.6	102
58	Complete oxidation of ethanol over alkali-promoted Pt/Al2O3 catalysts. Applied Catalysis B: Environmental, 2006, 65, 62-69.	10.8	106
59	In situ combustion synthesis of structured Cu-Ce-O and Cu-Mn-O catalysts for the production and purification of hydrogen. Applied Catalysis B: Environmental, 2006, 66, 168-174.	10.8	96
60	Effect of synthesis parameters on catalytic properties of CuO-CeO2. Applied Catalysis B: Environmental, 2006, 67, 1-11.	10.8	247
61	Novel doubly-promoted catalysts for the lean NOx reduction by H2+CO: Pd(K)/Al2O3â€“(TiO2). Applied Catalysis B: Environmental, 2006, 68, 59-67.	10.8	26
62	CO tolerance of Pt and Rh catalysts: effect of CO in the gas-phase oxidation of H2 over Pt and Rh supported catalysts. Applied Catalysis B: Environmental, 2005, 56, 77-86.	10.8	31
63	Influence of the preparation method on the performance of CuOâ€“CeO2 catalysts for the selective oxidation of CO. Applied Catalysis B: Environmental, 2005, 56, 87-93.	10.8	382
64	Steam reforming of methanol over copperâ€“manganese spinel oxide catalysts. Catalysis Communications, 2005, 6, 497-501.	1.6	99
65	Manganeseâ€“lanthanum oxides modified with silver for the catalytic combustion of methane. Journal of Catalysis, 2004, 227, 282-296.	3.1	350
66	Production of hydrogen via combined steam reforming of methanol over CuOâ€“CeO2 catalysts. Catalysis Communications, 2004, 5, 231-235.	1.6	95
67	Comment on: â€œNm-sized metal particles on a semiconductor surface, Schottky model, etc.â€•by V.P. Zhdanov [Surf. Sci. 512 (2002) L331â€“L334]. Surface Science, 2003, 530, 216-218.	0.8	7
68	Selective CO oxidation over CuO-CeO2 catalysts prepared via the ureaâ€“nitrate combustion method. Applied Catalysis A: General, 2003, 244, 155-167.	2.2	542
69	A comparative study of Pt/Î³-Al2O3, Au/Î±-Fe2O3 and CuOâ€“CeO2 catalysts for the selective oxidation of carbon monoxide in excess hydrogen. Catalysis Today, 2002, 75, 157-167.	2.2	532
70	Thermodynamic analysis of ethanol processors for fuel cell applications. Journal of Power Sources, 2001, 92, 17-25.	4.0	115
71	CuOâ€“CeO2 mixed oxide catalysts for the selective oxidation of carbon monoxide in excess hydrogen. Catalysis Letters, 2001, 73, 33-40.	1.4	256
72	Kinetic model of the partial oxidation of methane to synthesis gas over Ru/TiO2 catalyst. AIChE Journal, 2000, 46, 1260-1270.	1.8	21

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73	Efficiency of a solid polymer fuel cell operating on ethanol. Journal of Power Sources, 2000, 91, 150-156.	4.0	26
74	VOC removal: investigation of ethylacetate oxidation over supported Pt catalysts. Catalysis Today, 1999, 54, 81-92.	2.2	59
75	Evaluation of Î³-MnO2as a VOC Removal Catalyst: Comparison with a Noble Metal Catalyst. Journal of Catalysis, 1998, 178, 214-225.	3.1	299
76	Performance of doped Pt/TiO2 (W6+) catalysts for combustion of volatile organic compounds (VOCs). Applied Catalysis B: Environmental, 1998, 15, 75-92.	10.8	158
77	Development of a novel heat-integrated wall reactor for the partial oxidation of methane to synthesis gas. Catalysis Today, 1998, 46, 71-81.	2.2	26
78	Catalytic incineration of volatile organic compounds Present in industrial waste streams. Applied Thermal Engineering, 1998, 18, 1005-1012.	3.0	56
79	Synthesis gas formation by catalytic partial oxidation of methane in a heat- integrated wall reactor. Studies in Surface Science and Catalysis, 1998, 119, 411-416.	1.5	5
80	Kinetic behaviour of the Ru/TiO2 catalyst in the reaction of partial oxidation of methane. Studies in Surface Science and Catalysis, 1998, , 801-806.	1.5	6
81	Combustion of non-halogenated volatile organic compounds over group VIII metal catalysts. Applied Catalysis B: Environmental, 1997, 13, 175-184.	10.8	253
82	Catalytic partial oxidation of methane in a novel heat-integrated wall reactor. Catalysis Letters, 1997, 47, 183-188.	1.4	23
83	Charge Transfer in Metal Catalysts Supported on Doped TiO2: A Theoretical Approach Based on Metalâ€“Semiconductor Contact Theory. Journal of Catalysis, 1996, 161, 560-569.	3.1	162
84	Application of a dense silica membrane reactor in the reactions of dry reforming and partial oxidation of methane. Catalysis Letters, 1996, 36, 165-169.	1.4	44
85	Modification of the catalytic properties of supported noble metal catalysts by carrier doping. Chemical Engineering and Technology, 1995, 18, 25-32.	0.9	4
86	Influence of Carrier Doping on the Interaction of Benzene and Toluene with Supported Rhodium. Journal of Catalysis, 1995, 152, 331-340.	3.1	11
87	CO Oxidation over Rh Dispersed on SiO2, Al2O3 and TiO2: Kinetic Study and Oscillatory Behavior. Journal of Catalysis, 1995, 156, 265-272.	3.1	27
88	Effects of Altervalent Cation Doping of TiO2 on H2, and CO Adsorption on Supported Rh. Journal of Catalysis, 1994, 145, 479-490.	3.1	25
89	Effects of Altervalent Cation Doping of TiO2 on Kinetic Parameters of CO Hydrogenation and CO Oxidation on Supported Rh. Journal of Catalysis, 1994, 145, 491-500.	3.1	18
90	The Interaction of Benzene and Toluene with Rh Dispersed on SiO2, Al2O3, and TiO2 Carriers. Journal of Catalysis, 1993, 143, 175-186.	3.1	45

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91	Catalytic isobutane dehydrogenation in a dense silica membrane reactor. Journal of Membrane Science, 1993, 77, 207-220.	4.1	68
92	Influence of the Carrier on the Interaction of H2 and CO with Supported Rh. Journal of Catalysis, 1993, 140, 353-369.	3.1	60
93	Effects of dopants on performance of metal crystallites 3. Influence on kinetic parameters in CO/H2 and CO/H2 reactions. Journal of Catalysis, 1989, 116, 590-594.	3.1	10
94	Effects of degree of mixing on quantitative interpretation of TPD spectra. Journal of Catalysis, 1989, 120, 157-169.	3.1	10
95	Influence of carrier doping on catalytic performance of titanium dioxide supported platinum. Applied Catalysis, 1989, 46, 297-312.	1.1	16
96	Synthesis of Cobalt-Based Nanomaterials from Organic Precursors. , 0, , .		16