Andrzej E Machocki

List of Publications by Year
in descending order

43 papers	1,194 citations	17 h-index (471509)	34 g-index (377865)
45 all docs	45 docs citations	45 times ranked	1473 citing authors

#	Article	IF	Citations
1	Influence of composition and morphology of the active phase on the catalytic properties of cobalt-nickel catalysts in the steam reforming of ethanol. Materials Chemistry and Physics, 2021, 258, 123970.	4.0	17
2	Investigation of the Inhibiting Role of Hydrogen in the Steam Reforming of Methanol. ChemCatChem, 2019, 11, 3264-3278.	3.7	10
3	Evolution of the structure of unpromoted and potassium-promoted ceria-supported nickel catalysts in the steam reforming of ethanol. Applied Catalysis B: Environmental, 2018, 221, 490-509.	20.2	52
4	Surface State and Catalytic Performance of Ceriaâ€Supported Cobalt Catalysts in the Steam Reforming of Ethanol. ChemCatChem, 2017, 9, 782-797.	3.7	34
5	Chromium-modified zinc oxides. Journal of Thermal Analysis and Calorimetry, 2016, 125, 1205-1215.	3.6	10
6	Microscopic characterization of changes in the structure of KCo/CeO2 catalyst used in the steam reforming of ethanol. Materials Chemistry and Physics, 2016, 173, 219-237.	4.0	17
7	Hydrogen-rich gas generation from alcohols over cobalt-based catalysts for fuel cell feeding. Fuel Processing Technology, 2016, 148, 341-349.	7.2	13
8	Estimation of Average Crystallites Size of Active Phase in Ceria-Supported Cobalt-Based Catalysts by Hydrogen Chemisorption vs TEM and XRD Methods. Catalysis Letters, 2016, 146, 2173-2184.	2.6	19
9	Steam reforming and oxidative steam reforming of ethanol over PtKCo/CeO2 catalyst. Fuel, 2016, 183, 518-530.	6.4	37
10	Effect of the surface state on the catalytic performance of a Co/CeO2 ethanol steam-reforming catalyst. Journal of Catalysis, 2016, 340, 321-330.	6.2	61
11	Conversion of Ethanol Over Co/CeO2 and KCo/CeO2 Catalysts for Hydrogen Production. Catalysis Letters, 2016, 146, 163-173.	2.6	14
12	Performance evaluation of a proof-of-concept 70ÂW internal reforming methanol fuel cell system. Journal of Power Sources, 2016, 307, 875-882.	7.8	31
13	The effects of cetyltrimethylammonium bromide surfactant on alumina modified zinc oxides. Materials Research Bulletin, 2016, 78, 36-45.	5.2	3
14	Effect of potassium addition on a long term performance of Coâ€"ZnOâ€"Al2O3 catalysts in the low-temperature steam reforming of ethanol: Co-precipitation vs citrate method of catalysts synthesis. Applied Catalysis A: General, 2015, 505, 173-182.	4.3	25
15	Comparative study on steam and oxidative steam reforming of ethanol over 2KCo/ZrO2 catalyst. Catalysis Today, 2015, 242, 50-59.	4.4	27
16	Single-Layer Graphene as an Effective Mediator of the Metalâ€"Support Interaction. Journal of Physical Chemistry Letters, 2014, 5, 1837-1844.	4.6	16
17	The mechanism of the CH4/O2 reaction on the Pdâ€"Pt/Î^3-Al2O3 catalyst: A SSITKA study. Applied Catalysis B: Environmental, 2014, 160-161, 298-306.	20.2	11
18	Alcohol reforming on cobalt-based catalysts prepared from organic salt precursors. International Journal of Hydrogen Energy, 2012, 37, 16375-16381.	7.1	13

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19	Selective production of hydrogen by steam reforming of bio-ethanol. Catalysis Today, 2011, 176, 28-35.	4.4	43
20	Conversion of ethanol over supported cobalt oxide catalysts. Catalysis Today, 2011, 176, 14-20.	4.4	33
21	Nano- and micro-powder of zirconia and ceria-supported cobalt catalysts for the steam reforming of bio-ethanol. Applied Surface Science, 2010, 256, 5551-5558.	6.1	53
22	Studies of catalytic process of complete oxidation of methane by SSITKA method. Applied Surface Science, 2010, 256, 5585-5589.	6.1	11
23	Hydrogen Formation via Steam Reforming of Ethanol Over Cu/ZnO Catalyst Modified with Nickel, Cobalt and Manganese. Catalysis Letters, 2009, 128, 443-448.	2.6	10
24	Steady State Isotopic Transient Kinetic Analysis of Flameless Methane Combustion over Pd/Al2O3 and Pt/Al2O3 Catalysts. Topics in Catalysis, 2009, 52, 1085-1097.	2.8	12
25	SSITKA studies of the catalytic flameless combustion of methane. Catalysis Today, 2008, 137, 312-317.	4.4	14
26	Steam reforming of ethanol over Ni/support catalysts for generation of hydrogen for fuel cell applications. Catalysis Today, 2008, 137, 453-459.	4.4	69
27	Importance of palladium dispersion in Pd/Al2O3 catalysts for complete oxidation of humid low-methaneâ€“air mixtures. Catalysis Today, 2008, 137, 329-334.	4.4	54
28	Oxidative coupling of methane over a sodium-calcium oxide catalyst modified with chloride ions. Chemical Engineering Journal, 2008, 137, 643-652.	12.7	26
29	Catalysts for the utilization of methane from the coal mine ventilation air. Polish Journal of Chemical Technology, 2007, 9, 29-32.	0.5	6
30	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
31	Manganeseâ€“lanthanum oxides modified with silver for the catalytic combustion of methane. Journal of Catalysis, 2004, 227, 282-296.	6.2	350
32	Simultaneous oxidative coupling of methane and oxidative dehydrogenation of ethane on the Na+/CaO catalyst. Chemical Engineering Journal, 2002, 90, 165-172.	12.7	14
33	The effect of the molybdenum promoter on the coking induction time of the catalysts in the hydrocarbons steam reforming. Studies in Surface Science and Catalysis, 1999, 126, 435-438.	1.5	4
34	Oxidative coupling of methane to ethylene in a reaction system with products separation and gas recirculation. Studies in Surface Science and Catalysis, 1998, 119, 313-318.	1.5	3
35	The Influence of Nickel Dispersion in Ni/Al₂O₃ Catalysts on Their Properties in the Reaction with Hydrogen, Hydrocarbons and Steam. Adsorption Science and Technology, 1998, 16, 747-757.	3.2	5
36	Methane oxidative coupling in an undiluted reaction mixture in a reactor-adsorber system with gas recirculation. Applied Catalysis A: General, 1996, 146, 391-400.	4.3	19

#	Article	IF	Citations
37	Oxidative coupling of methane at moderate (600?650ï¿½C) temperatures. Catalysis Letters, 1994, 26, 85-93.	2.6	3
38	Natural calcium minerals as catalysts of oxidative conversion of methane. Reaction Kinetics and Catalysis Letters, 1993, 51, 541-545.	0.6	1
39	Promotion of methane conversion catalysts into higher hydrocarbons. Applied Catalysis, 1991, 72, 283-294.	0.8	10
40	Formation of carbonaceous deposit and its effect on carbon monoxide hydrogenation on iron-based catalysts. Applied Catalysis, 1991, 70, 237-252.	0.8	20
41	Influence of the anion of promoting sodium compounds on the activity and selectivity in oxidative coupling of methane. Catalysis Letters, 1991, 9, 97-101.	2.6	4
42	Alumina as a nickel catalysts support for steam reforming of hydrocarbons. Reaction Kinetics and Catalysis Letters, 1984, 26, 285-289.	0.6	2
43	Influence of added copper on the reduction and surface properties of nickel in Ni/Î³-Al2O3 catalysts. Reaction Kinetics and Catalysis Letters, 1978, 8, 395-400.	0.6	1