

Andrzej E Machocki

List of Publications by Year in descending order

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43
papers

1,194
citations

471509

17
h-index

377865

34
g-index

45
all docs

45
docs citations

45
times ranked

1473
citing authors

#	ARTICLE	IF	CITATIONS
1	Manganese- and lanthanum oxides modified with silver for the catalytic combustion of methane. <i>Journal of Catalysis</i> , 2004, 227, 282-296.	6.2	350
2	Steam reforming of ethanol over Ni/support catalysts for generation of hydrogen for fuel cell applications. <i>Catalysis Today</i> , 2008, 137, 453-459.	4.4	69
3	Effect of the surface state on the catalytic performance of a Co/CeO ₂ ethanol steam-reforming catalyst. <i>Journal of Catalysis</i> , 2016, 340, 321-330.	6.2	61
4	Importance of palladium dispersion in Pd/Al ₂ O ₃ catalysts for complete oxidation of humid low-methane-air mixtures. <i>Catalysis Today</i> , 2008, 137, 329-334.	4.4	54
5	Nano- and micro-powder of zirconia and ceria-supported cobalt catalysts for the steam reforming of bio-ethanol. <i>Applied Surface Science</i> , 2010, 256, 5551-5558.	6.1	53
6	Evolution of the structure of unpromoted and potassium-promoted ceria-supported nickel catalysts in the steam reforming of ethanol. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 490-509.	20.2	52
7	Selective production of hydrogen by steam reforming of bio-ethanol. <i>Catalysis Today</i> , 2011, 176, 28-35.	4.4	43
8	Steam reforming and oxidative steam reforming of ethanol over PtKCo/CeO ₂ catalyst. <i>Fuel</i> , 2016, 183, 518-530.	6.4	37
9	Surface State and Catalytic Performance of Ceria-Supported Cobalt Catalysts in the Steam Reforming of Ethanol. <i>ChemCatChem</i> , 2017, 9, 782-797.	3.7	34
10	Conversion of ethanol over supported cobalt oxide catalysts. <i>Catalysis Today</i> , 2011, 176, 14-20.	4.4	33
11	Performance evaluation of a proof-of-concept 70 ÅW internal reforming methanol fuel cell system. <i>Journal of Power Sources</i> , 2016, 307, 875-882.	7.8	31
12	Comparative study on steam and oxidative steam reforming of ethanol over 2KCo/ZrO ₂ catalyst. <i>Catalysis Today</i> , 2015, 242, 50-59.	4.4	27
13	Oxidative coupling of methane over a sodium-calcium oxide catalyst modified with chloride ions. <i>Chemical Engineering Journal</i> , 2008, 137, 643-652.	12.7	26
14	Effect of potassium addition on a long term performance of Co-ZnO-Al ₂ O ₃ catalysts in the low-temperature steam reforming of ethanol: Co-precipitation vs citrate method of catalysts synthesis. <i>Applied Catalysis A: General</i> , 2015, 505, 173-182.	4.3	25
15	Formation of carbonaceous deposit and its effect on carbon monoxide hydrogenation on iron-based catalysts. <i>Applied Catalysis</i> , 1991, 70, 237-252.	0.8	20
16	Methane oxidative coupling in an undiluted reaction mixture in a reactor-adsorber system with gas recirculation. <i>Applied Catalysis A: General</i> , 1996, 146, 391-400.	4.3	19
17	Estimation of Average Crystallites Size of Active Phase in Ceria-Supported Cobalt-Based Catalysts by Hydrogen Chemisorption vs TEM and XRD Methods. <i>Catalysis Letters</i> , 2016, 146, 2173-2184.	2.6	19
18	Complete Oxidation of Methane over Palladium Supported on Alumina Modified with Calcium, Lanthanum, and Cerium Ions. <i>Journal of Natural Gas Chemistry</i> , 2007, 16, 342-348.	1.8	17

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19	Microscopic characterization of changes in the structure of KCo/CeO ₂ catalyst used in the steam reforming of ethanol. <i>Materials Chemistry and Physics</i> , 2016, 173, 219-237.	4.0	17
20	Influence of composition and morphology of the active phase on the catalytic properties of cobalt-nickel catalysts in the steam reforming of ethanol. <i>Materials Chemistry and Physics</i> , 2021, 258, 123970.	4.0	17
21	Single-Layer Graphene as an Effective Mediator of the Metal-Support Interaction. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1837-1844.	4.6	16
22	Simultaneous oxidative coupling of methane and oxidative dehydrogenation of ethane on the Na ⁺ /CaO catalyst. <i>Chemical Engineering Journal</i> , 2002, 90, 165-172.	12.7	14
23	SSITKA studies of the catalytic flameless combustion of methane. <i>Catalysis Today</i> , 2008, 137, 312-317.	4.4	14
24	Conversion of Ethanol Over Co/CeO ₂ and KCo/CeO ₂ Catalysts for Hydrogen Production. <i>Catalysis Letters</i> , 2016, 146, 163-173.	2.6	14
25	Alcohol reforming on cobalt-based catalysts prepared from organic salt precursors. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 16375-16381.	7.1	13
26	Hydrogen-rich gas generation from alcohols over cobalt-based catalysts for fuel cell feeding. <i>Fuel Processing Technology</i> , 2016, 148, 341-349.	7.2	13
27	Steady State Isotopic Transient Kinetic Analysis of Flameless Methane Combustion over Pd/Al ₂ O ₃ and Pt/Al ₂ O ₃ Catalysts. <i>Topics in Catalysis</i> , 2009, 52, 1085-1097.	2.8	12
28	Studies of catalytic process of complete oxidation of methane by SSITKA method. <i>Applied Surface Science</i> , 2010, 256, 5585-5589.	6.1	11
29	The mechanism of the CH ₄ /O ₂ reaction on the Pd-Pt-Al ₂ O ₃ catalyst: A SSITKA study. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 298-306.	20.2	11
30	Promotion of methane conversion catalysts into higher hydrocarbons. <i>Applied Catalysis</i> , 1991, 72, 283-294.	0.8	10
31	Hydrogen Formation via Steam Reforming of Ethanol Over Cu/ZnO Catalyst Modified with Nickel, Cobalt and Manganese. <i>Catalysis Letters</i> , 2009, 128, 443-448.	2.6	10
32	Chromium-modified zinc oxides. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 125, 1205-1215.	3.6	10
33	Investigation of the Inhibiting Role of Hydrogen in the Steam Reforming of Methanol. <i>ChemCatChem</i> , 2019, 11, 3264-3278.	3.7	10
34	Catalysts for the utilization of methane from the coal mine ventilation air. <i>Polish Journal of Chemical Technology</i> , 2007, 9, 29-32.	0.5	6
35	The Influence of Nickel Dispersion in Ni/Al ₂ O ₃ Catalysts on Their Properties in the Reaction with Hydrogen, Hydrocarbons and Steam. <i>Adsorption Science and Technology</i> , 1998, 16, 747-757.	3.2	5
36	Influence of the anion of promoting sodium compounds on the activity and selectivity in oxidative coupling of methane. <i>Catalysis Letters</i> , 1991, 9, 97-101.	2.6	4

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37	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
38	Oxidative coupling of methane at moderate (600-650°C) temperatures. Catalysis Letters, 1994, 26, 85-93.	2.6	3
39	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
40	The effects of cetyltrimethylammonium bromide surfactant on alumina modified zinc oxides. Materials Research Bulletin, 2016, 78, 36-45.	5.2	3
41	Alumina as a nickel catalysts support for steam reforming of hydrocarbons. Reaction Kinetics and Catalysis Letters, 1984, 26, 285-289.	0.6	2
42	Influence of added copper on the reduction and surface properties of nickel in Ni ³⁺ -Al ₂ O ₃ catalysts. Reaction Kinetics and Catalysis Letters, 1978, 8, 395-400.	0.6	1
43	Natural calcium minerals as catalysts of oxidative conversion of methane. Reaction Kinetics and Catalysis Letters, 1993, 51, 541-545.	0.6	1