Grzegorz SÅ‚owik

List of Publications by Year
in descending order

51	925	394421 19	501196 28
papers	citations	h-index	g-index

51	51	51	1148
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of support composition on the performance of nickel catalysts in CO2 methanation reaction. Catalysis Today, 2020, 357, 468-482.	4.4	56
2	Nickel catalysts supported on silica microspheres for CO2 methanation. Microporous and Mesoporous Materials, 2018, 272, 79-91.	4.4	55
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	Effects of dealumination on the performance of Ni-containing BEA catalysts in bioethanol steam reforming. Applied Catalysis B: Environmental, 2018, 237, 94-109.	20.2	52
5	Co/CeO2 and Ni/CeO2 catalysts for ethanol steam reforming: Effect of the cobalt/nickel dispersion on catalysts properties. Journal of Catalysis, 2021, 393, 159-178.	6.2	43
6	Hydrogen production by steam reforming of ethanol over Co/CeO2 catalysts: Effect of cobalt content. Journal of the Energy Institute, 2019, 92, 222-238.	5.3	38
7	Steam reforming and oxidative steam reforming of ethanol over PtKCo/CeO2 catalyst. Fuel, 2016, 183, 518-530.	6.4	37
8	Structural and surface changes of cobalt modified manganese oxide during activation and ethanol steam reforming reaction. Applied Surface Science, 2018, 440, 1047-1062.	6.1	36
9	Surface State and Catalytic Performance of Ceriaâ€Supported Cobalt Catalysts in the Steam Reforming of Ethanol. ChemCatChem, 2017, 9, 782-797.	3.7	34
10	CO2 Methanation in the Presence of Ce-Promoted Alumina Supported Nickel Catalysts: H2S Deactivation Studies. Topics in Catalysis, 2019, 62, 524-534.	2.8	33
11	Recycling of Waste Solution after Hydrothermal Conversion of Fly Ash on a Semi-Technical Scale for Zeolite Synthesis. Materials, 2021, 14, 1413.	2.9	30
12	Comparative study on steam and oxidative steam reforming of ethanol over 2KCo/ZrO2 catalyst. Catalysis Today, 2015, 242, 50-59.	4.4	27
13	Steam Reforming of Methanol over Nanostructured Pt/TiO2 and Pt/CeO2 Catalysts for Fuel Cell Applications. Catalysts, 2018, 8, 544.	3.5	27
14	Combustion-synthesized Li x Mn 2 O 4 -based spinel nanorods as cathode materials for lithium-ion batteries. Chemical Engineering Journal, 2017, 311, 191-202.	12.7	24
15	Optimization of the potassium promotion of the Co|Î±-Al2O3 catalyst for the effective hydrogen production via ethanol steam reforming. Applied Catalysis A: General, 2021, 614, 118051.	4.3	24
16	Advantages of stainless steel sieves as support for catalytic N2O decomposition over K-doped Co3O4. Catalysis Today, 2015, 257, 2-10.	4.4	22
17	P-Arylation of secondary phosphine oxides catalyzed by nickel-supported nanoparticles. Organic Chemistry Frontiers, 2018, 5, 2079-2085.	4.5	22
18	Photocatalytic Reduction of CO₂ Over CdS, ZnS and Core/Shell CdS/ZnS Nanoparticles Deposited on Montmorillonite. Journal of Nanoscience and Nanotechnology, 2017, 17, 4041-4047.	0.9	21

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19	Flow hydrogenation of p-nitrophenol with nano-Ag/Al₂O₃. RSC Advances, 2016, 6, 87564-87568.	3.6	19
20	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
21	The state of BEA zeolite supported nickel catalysts in CO2 methanation reaction. Applied Surface Science, 2021, 564, 150421.	6.1	18
22	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
23	Structural and surface changes of copper modified manganese oxides. Applied Surface Science, 2016, 370, 536-544.	6.1	17
24	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
25	Niâ€“Re alloy catalysts on Al2O3 for methane dry reforming. International Journal of Hydrogen Energy, 2022, 47, 16528-16543.	7.1	15
26	The effect of copper on benzene hydrogenation to cyclohexane over Ni/Al2O3 catalyst. Applied Catalysis A: General, 2016, 523, 54-60.	4.3	13
27	Catalytic activity of cobalt grafted on ordered mesoporous silica materials in N2O decomposition and CO oxidation. Molecular Catalysis, 2017, 437, 57-72.	2.0	13
28	Effect of metal precursor and pretreatment conditions onÂthe catalytic activity of Ni/C inÂthe aqueous phase hydrodechlorination of 1,1,2-trichloroethene. Reaction Kinetics, Mechanisms and Catalysis, 2017, 121, 3-16.	1.7	12
29	Redox Behavior of a Copperâ€Based Methanol Reformer for Fuel Cell Applications. Energy Technology, 2018, 6, 1332-1341.	3.8	12
30	Tuning the properties of the cobalt-zeolite nanocomposite catalyst by potassium: Switching between dehydration and dehydrogenation of ethanol. Journal of Catalysis, 2022, 407, 364-380.	6.2	12
31	The mechanism of the CH4/O2 reaction on the Pdâ€“Pt/Î³-Al2O3 catalyst: A SSITKA study. Applied Catalysis B: Environmental, 2014, 160-161, 298-306.	20.2	11
32	Chromium-modified zinc oxides. Journal of Thermal Analysis and Calorimetry, 2016, 125, 1205-1215.	3.6	10
33	Tuning nano-nickel selectivity with tin in flow hydrogenation of 6-methyl-5-hepten-2-one by surface organometallic chemistry modification. Catalysis Today, 2018, 308, 38-44.	4.4	10
34	Investigation of the Inhibiting Role of Hydrogen in the Steam Reforming of Methanol. ChemCatChem, 2019, 11, 3264-3278.	3.7	10
35	Flashâ€Calcined CuZnAlâ€LDH as Highâ€Activity LTâ€WGS Catalyst. European Journal of Inorganic Chemistry, 2019, 2019, 1792-1798.	2.0	9
36	Direct Conversion of Carbon Dioxide to Methane over Ceriaâ€•and Aluminaâ€Supported Nickel Catalysts for Biogas Valorization. ChemPlusChem, 2021, 86, 889-903.	2.8	9

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37	Bioethanol Steam Reforming over Cobalt-Containing USY and ZSM-5 Commercial Zeolite Catalysts. Frontiers in Materials, 2020, 7, .	2.4	8
38	The effect of La2O3 and CeO2 modifiers on properties of Niâ€“Al catalysts for LNG prereforming. International Journal of Hydrogen Energy, 2021, 46, 11664-11676.	7.1	6
39	Effect of Potassium Promoter on the Performance of Nickel-Based Catalysts Supported on MnOx in Steam Reforming of Ethanol. Catalysts, 2022, 12, 600.	3.5	6
40	Precipitation of Zinc Oxide Nanoparticles Under UV-Irradiation. Journal of Nanoscience and Nanotechnology, 2017, 17, 4805-4811.	0.9	5
41	Enhanced Performance of LiAl0.1Mn1.9O4 Cathode for Li-Ion Battery via TiN Coating. Energies, 2021, 14, 825.	3.1	5
42	Tetrachloromethane as an Effective Agent to Transform Nanoparticles of Palladium and Gold in Supported Catalysts. ChemCatChem, 2016, 8, 2625-2629.	3.7	4
43	The effects of cetyltrimethylammonium bromide surfactant on alumina modified zinc oxides. Materials Research Bulletin, 2016, 78, 36-45.	5.2	3
44	Heterostructural Mixed Oxides Prepared via ZnAlLa LDH or ex-ZnAl LDH Precursorsâ€”Effect of La Content and Its Incorporation Route. Materials, 2021, 14, 2082.	2.9	3
45	Application of microemulsion method for development of methanol steam reforming Pd/ZnO catalysts. Journal of Thermal Analysis and Calorimetry, 2016, 125, 1265-1272.	3.6	2
46	Synthesis and characterization of a novel composites derived from SBA-15 mesoporous silica and iron pentacarbonyl. Journal of Colloid and Interface Science, 2022, 608, 2421-2429.	9.4	2
47	Interactions between Nanoclay, CTAB and Linear/Star Shaped Polymers. International Journal of Molecular Sciences, 2022, 23, 3051.	4.1	2
48	The Influence of Active Phase Composition and Reaction Temperature on the Catalytic Properties of K-Promoted Coâ€“Ni/CeO2 Catalysts in the Steam Reforming of Ethanol. Catalysis Letters, 2023, 153, 1505-1526.	2.6	2
49	The Effects of Ce and W Promoters on the Performance of Alumina-Supported Nickel Catalysts in CO2 Methanation Reaction. Catalysts, 2022, 12, 13.	3.5	1
50	Nanocrystallic thin films statistical structural analysis by the automatic image processing. Proceedings of SPIE, 2013, , .	0.8	0
51	Ecofriendly K-decorated ZnO/Zn(Al,La)2O4 catalyst for hydrogen production â€“ Effect of heterostructure on catalyst activity at steamâ€lean process gas. Fuel, 2021, 302, 121067.	6.4	0