Krzysztof Krawczyk

List of Publications by Year
in descending order

47	735	623734	552781
papers	citations	14 h-index	26 g-index

47	47	47	663
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced production of hydrogen from methanol using spark discharge generated in a small portable reactor. Energy Reports, 2022, 8, 183-191.	5.1	9
2	A Promising Cobalt Catalyst for Hydrogen Production. Catalysts, 2022, 12, 278.	3.5	6
3	Efficient Plasma Technology for the Production of Green Hydrogen from Ethanol and Water. Energies, 2022, 15, 2777.	3.1	7
4	Efficient Conversion of Ethanol to Hydrogen in a Hybrid Plasma-Catalytic Reactor. Energies, 2022, 15, 3050.	3.1	4
5	Toluene Decomposition in Plasmaâ€“Catalytic Systems with Nickel Catalysts on CaO-Al2O3 Carrier. Catalysts, 2022, 12, 635.	3.5	1
6	Modification of PLA Scaffold Surface for Medical Applications. Applied Sciences (Switzerland), 2021, 11, 1815.	2.5	12
7	Investigation of Co3O4 and LaCoO3 Interaction by Performing N2O Decomposition Tests under Co3O4-CoO Transition Temperature. Catalysts, 2021, 11, 325.	3.5	1
8	Hydrogen production from ethanol using a special multi-segment plasma-catalytic reactor. Journal of the Energy Institute, 2021, 95, 179-186.	5.3	16
9	Sonochemical preparation of SnS and SnS2 nano- and micropowders and their characterization. Ultrasonics Sonochemistry, 2021, 75, 105594.	8.2	9
10	Decomposition of Tars on a Nickel Honeycomb Catalyst. Catalysts, 2021, 11, 860.	3.5	2
11	Plasma-Catalytic Process of Hydrogen Production from Mixture of Methanol and Water. Catalysts, 2021, 11, 864.	3.5	9
12	Nickel catalyst in coupled plasma-catalytic system for tar removal. Polish Journal of Chemical Technology, 2021, 23, 24-29.	0.5	1
13	Removal of Bromocresol Green from aqueous solution by electro-Fenton and electro-Fenton like processes with different catalysts: laboratory and kinetic model investigation. Water Science and Technology, 2021, 84, 3227-3236.	2.5	4
14	Ammonia Decomposition in a Gliding Discharge Plasma. Energy Technology, 2021, 9, 2100677.	3.8	8
15	Hydrogen Production from Ethanol in Dielectric Barrier Bischarge. , 2021, , .		1
16	Moist Biogas Conversion in a Plasmaâ€“Catalytic System. ACS Omega, 2021, 6, 34805-34811.	3.5	2
17	Decomposition of Toluene in Coupled Plasma-Catalytic System. Industrial & Engineering Chemistry Research, 2020, 59, 4239-4244.	3.7	10
18	Coupled Plasma-Catalytic System with Rang 19pr Catalyst for Conversion of Tar. Scientific Reports, 2019, 9, 13562.	3.3	12

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19	Hydrogen production from ethanol using dielectric barrier discharge. Energy, 2019, 174, 261-268.	8.8	28
20	Modification of polyethylene tube surface in dielectric barrier discharge. Journal of Materials Research, 2018, 33, 2396-2403.	2.6	3
21	Oxidation of limonene using activated carbon modified in dielectric barrier discharge plasma. Applied Surface Science, 2017, 420, 873-881.	6.1	28
22	Steam reforming of ethanol in spark discharge generated between electrodes made from a Ni<inf>3</inf>Al alloy. , 2017, , .		2
23	Hydrogen production from ethanol using dielectric barrier discharge. , 2017, , .		1
24	Purification of the gas after pyrolysis in coupled plasma-catalytic system. Polish Journal of Chemical Technology, 2017, 19, 94-98.	0.5	11
25	A gliding discharge reactor supplied by a ferro-resonance system for liquid toluene decomposition. Chemical Engineering Research and Design, 2016, 111, 277-283.	5.6	6
26	A comparison of carbon tetrachloride decomposition using spark and barrier discharges. Open Chemistry, 2015, 13, .	1.9	8
27	Conversion of tetrachloromethane in large scale gliding discharge reactor. Open Chemistry, 2015, 13, .	1.9	2
28	Decomposition of Cyclohexane on Ni3Al Thin Foil Intermetallic Catalyst. Materials, 2014, 7, 7039-7047.	2.9	7
29	Oxidative methane conversion in dielectric barrier discharge. EPJ Applied Physics, 2013, 61, 24307.	0.7	2
30	Decomposition of carbon tetrachloride in the reactor of dielectric barrier discharge with different power supplies. EPJ Applied Physics, 2013, 61, 24324.	0.7	8
31	Plasma deposition of antimicrobial coating on organic polymer. EPJ Applied Physics, 2013, 61, 24316.	0.7	2
32	Catalytic Conversion of Simulated Biogas Mixtures to Synthesis Gas in a Fluidized Bed Reactor Supported by a DBD. Plasma Chemistry and Plasma Processing, 2012, 32, 565-582.	2.4	18
33	Hybrid plasma-catalytic systems for converting substances of high stability, greenhouse gases and VOC. Chemical Engineering Research and Design, 2011, 89, 2643-2651.	5.6	30
34	Non-oxidative methane coupling using Cu/ZnO/Al2O3 catalyst in DBD. Fuel, 2011, 90, 1946-1952.	6.4	26
35	Direct nitrous oxide decomposition with CoOx-CeO2 catalysts. Applied Catalysis B: Environmental, 2011, 106, 416-422.	20.2	39
36	Direct nitrous oxide decomposition with a cobalt oxide catalyst. Applied Catalysis A: General, 2010, 389, 165-172.	4.3	41

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37	Plasma-catalytic methane conversion with carbon dioxide in dielectric barrier discharges. Applied Catalysis B: Environmental, 2010, 94, 19-26.	20.2	107
38	Conversion of Nitrous Oxide by Positive Pulsed Corona Discharge. IEEE Transactions on Plasma Science, 2009, 37, 884-889.	1.3	11
39	Nitrous oxide processing by a combination of gliding and microwave discharges. Catalysis Today, 2007, 119, 239-242.	4.4	7
40	Catalytic Effects of Metals on the Conversion of Methane in Gliding Discharges. Plasma Processes and Polymers, 2007, 4, 728-736.	3.0	24
41	Microwave Reactor for Nitrous Oxide Processing. Journal of Advanced Oxidation Technologies, 2006, 9, .	0.5	0
42	Methane Conversion into C2 Hydrocarbons and Carbon Black in Dielectric-barrier and Gliding Discharges. Journal of Advanced Oxidation Technologies, 2004, 7, .	0.5	0
43	Influence of Water Vapor on CCl4and CHCl3Conversion in Gliding Discharge. Plasma Chemistry and Plasma Processing, 2004, 24, 155-167.	2.4	28
44	Decomposition of Chloromethanes in Gliding Discharges. Plasma Chemistry and Plasma Processing, 2003, 23, 265-281.	2.4	44
45	Combined plasma-catalytic processing of nitrous oxide. Applied Catalysis B: Environmental, 2001, 30, 233-245.	20.2	61
46	The properties of cobalt oxide catalyst for ammonia oxidation. Applied Catalysis A: General, 1998, 175, 147-157.	4.3	76
47	Effect of Texture of Cobalt Oxide Catalyst on its Properties in Ammonia Oxidation**This work was granted by the State Committee for Scientific Research in Poland, Project No 3 T09B 034 11. Studies in Surface Science and Catalysis, 1998, 118, 341-348.	1.5	1