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	Plasma-catalytic methane conversion with carbon dioxide in dielectric barrier discharges. Applied Catalysis B: Environmental, 2010, 94, 19-26.	20.2	107
2	The properties of cobalt oxide catalyst for ammonia oxidation. Applied Catalysis A: General, 1998, 175, 147-157.	4.3	76
3	Combined plasma-catalytic processing of nitrous oxide. Applied Catalysis B: Environmental, 2001, 30, 233-245.	20.2	61
4	Decomposition of Chloromethanes in Gliding Discharges. Plasma Chemistry and Plasma Processing, 2003, 23, 265-281.	2.4	44
5	Direct nitrous oxide decomposition with a cobalt oxide catalyst. Applied Catalysis A: General, 2010, 389, 165-172.	4.3	41
6	Direct nitrous oxide decomposition with CoOx-CeO2 catalysts. Applied Catalysis B: Environmental, 2011, 106, 416-422.	20.2	39
7	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
8	Influence of Water Vapor on CCl4and CHCl3Conversion in Gliding Discharge. Plasma Chemistry and Plasma Processing, 2004, 24, 155-167.	2.4	28
9	Oxidation of limonene using activated carbon modified in dielectric barrier discharge plasma. Applied Surface Science, 2017, 420, 873-881.	6.1	28
10	Hydrogen production from ethanol using dielectric barrier discharge. Energy, 2019, 174, 261-268.	8.8	28
11	Non-oxidative methane coupling using Cu/ZnO/Al2O3 catalyst in DBD. Fuel, 2011, 90, 1946-1952.	6.4	26
12	Catalytic Effects of Metals on the Conversion of Methane in Gliding Discharges. Plasma Processes and Polymers, 2007, 4, 728-736.	3.0	24
13	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
14	Hydrogen production from ethanol using a special multi-segment plasma-catalytic reactor. Journal of the Energy Institute, 2021, 95, 179-186.	5.3	16
15	Coupled Plasma-Catalytic System with Rang 19pr Catalyst for Conversion of Tar. Scientific Reports, 2019, 9, 13562.	3.3	12
16	Modification of PLA Scaffold Surface for Medical Applications. Applied Sciences (Switzerland), 2021, 11, 1815.	2.5	12
17	Conversion of Nitrous Oxide by Positive Pulsed Corona Discharge. IEEE Transactions on Plasma Science, 2009, 37, 884-889.	1.3	11
18	Purification of the gas after pyrolysis in coupled plasma-catalytic system. Polish Journal of Chemical Technology, 2017, 19, 94-98.	0.5	11

#	Article	IF	Citations
19	Decomposition of Toluene in Coupled Plasma-Catalytic System. Industrial & Engineering Chemistry Research, 2020, 59, 4239-4244.	3.7	10
20	Sonochemical preparation of SnS and SnS2 nano- and micropowders and their characterization. Ultrasonics Sonochemistry, 2021, 75, 105594.	8.2	9
21	Plasma-Catalytic Process of Hydrogen Production from Mixture of Methanol and Water. Catalysts, 2021, 11, 864.	3.5	9
22	Enhanced production of hydrogen from methanol using spark discharge generated in a small portable reactor. Energy Reports, 2022, 8, 183-191.	5.1	9
23	Decomposition of carbon tetrachloride in the reactor of dielectric barrier discharge with different power supplies. EPJ Applied Physics, 2013, 61, 24324.	0.7	8
24	A comparison of carbon tetrachloride decomposition using spark and barrier discharges. Open Chemistry, 2015, 13, .	1.9	8
25	Ammonia Decomposition in a Gliding Discharge Plasma. Energy Technology, 2021, 9, 2100677.	3.8	8
26	Nitrous oxide processing by a combination of gliding and microwave discharges. Catalysis Today, 2007, 119, 239-242.	4.4	7
27	Decomposition of Cyclohexane on Ni3Al Thin Foil Intermetallic Catalyst. Materials, 2014, 7, 7039-7047.	2.9	7
28	Efficient Plasma Technology for the Production of Green Hydrogen from Ethanol and Water. Energies, 2022, 15, 2777.	3.1	7
29	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
30	A Promising Cobalt Catalyst for Hydrogen Production. Catalysts, 2022, 12, 278.	3.5	6
31	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
32	Efficient Conversion of Ethanol to Hydrogen in a Hybrid Plasma-Catalytic Reactor. Energies, 2022, 15, 3050.	3.1	4
33	Modification of polyethylene tube surface in dielectric barrier discharge. Journal of Materials Research, 2018, 33, 2396-2403.	2.6	3
34	Oxidative methane conversion in dielectric barrier discharge. EPJ Applied Physics, 2013, 61, 24307.	0.7	2
35	Plasma deposition of antimicrobial coating on organic polymer. EPJ Applied Physics, 2013, 61, 24316.	0.7	2
36	Conversion of tetrachloromethane in large scale gliding discharge reactor. Open Chemistry, 2015, 13, .	1.9	2

#	Article	IF	Citations
37	Steam reforming of ethanol in spark discharge generated between electrodes made from a Ni<inf>3</inf>Al alloy. , 2017, , .		2
38	Decomposition of Tars on a Nickel Honeycomb Catalyst. Catalysts, 2021, 11, 860.	3.5	2
39	Moist Biogas Conversion in a Plasmaâ€“Catalytic System. ACS Omega, 2021, 6, 34805-34811.	3.5	2
40	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
41	Hydrogen production from ethanol using dielectric barrier discharge. , 2017, , .		1
42	Investigation of Co3O4 and LaCoO3 Interaction by Performing N2O Decomposition Tests under Co3O4-CoO Transition Temperature. Catalysts, 2021, 11, 325.	3.5	1
43	Nickel catalyst in coupled plasma-catalytic system for tar removal. Polish Journal of Chemical Technology, 2021, 23, 24-29.	0.5	1
44	Hydrogen Production from Ethanol in Dielectric Barrier Bischarge. , 2021, , .		1
45	Toluene Decomposition in Plasmaâ€“Catalytic Systems with Nickel Catalysts on CaO-Al2O3 Carrier. Catalysts, 2022, 12, 635.	3.5	1
46	Methane Conversion into C2 Hydrocarbons and Carbon Black in Dielectric-barrier and Gliding Discharges. Journal of Advanced Oxidation Technologies, 2004, 7, .	0.5	0
47	Microwave Reactor for Nitrous Oxide Processing. Journal of Advanced Oxidation Technologies, 2006, 9, .	0.5	0