

# Grzegorz Szymański

## List of Publications by Citations

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26

papers

2,182

citations

13

h-index

26

g-index

26

ext. papers

2,316

ext. citations

5.9

avg, IF

4.31

L-index

#	Paper	IF	Citations
26	The characterization of activated carbons with oxygen and nitrogen surface groups. <i>Carbon</i> , <b>1997</b> , 35, 1799-1810	10.4	1206
25	The effect of the gradual thermal decomposition of surface oxygen species on the chemical and catalytic properties of oxidized activated carbon. <i>Carbon</i> , <b>2002</b> , 40, 2627-2639	10.4	319
24	Effect of Activated Carbon Surface Oxygen- and/or Nitrogen-Containing Groups on Adsorption of Copper(II) Ions from Aqueous Solution <i>Langmuir</i> , <b>1999</b> , 15, 6117-6122	4	202
23	Influence of nitrogen surface functionalities on the catalytic activity of activated carbon in low temperature SCR of NO with NH <sub>3</sub> . <i>Catalysis Today</i> , <b>2004</b> , 90, 51-59	5.3	95
22	Importance of oxygen surface groups in catalytic dehydration and dehydrogenation of butan-2-ol promoted by carbon catalysts. <i>Carbon</i> , <b>1991</b> , 29, 489-498	10.4	51
21	Catalytic conversion of propan-2-ol on carbon catalysts. <i>Carbon</i> , <b>1993</b> , 31, 247-257	10.4	48
20	Catalytic conversion of ethanol on carbon catalysts. <i>Carbon</i> , <b>1994</b> , 32, 265-271	10.4	42
19	Characterization of Cr/MCM-41 and Al,Cr/MCM-41 Mesoporous Catalysts for Gas-Phase Oxidative Dehydrogenation of Cyclohexane. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 1830-1839	3.8	38
18	Influence of activated carbon surface oxygen functionalities on SO <sub>2</sub> physisorption [Simulation and experiment. <i>Chemical Physics Letters</i> , <b>2013</b> , 578, 85-91	2.5	29
17	The influence of microporosity creation in highly mesoporous N-containing carbons obtained from chitosan on their catalytic and electrochemical properties. <i>Catalysis Today</i> , <b>2014</b> , 227, 223-232	5.3	22
16	Modified porous carbon materials as catalytic support for cathodic reduction of dioxygen. <i>Fuel Processing Technology</i> , <b>2002</b> , 79, 251-257	7.2	21
15	Carbon surface polarity from immersion calorimetry. <i>Fuel Processing Technology</i> , <b>2002</b> , 79, 217-223	7.2	18
14	Properties of CMK-8 carbon replicas obtained from KIT-6 and pyrrole at various contents of ferric catalyst. <i>Catalysis Today</i> , <b>2010</b> , 150, 77-83	5.3	14
13	Catalytic conversion of 2-propanol on cation-substituted forms of oxidized carbon. <i>Reaction Kinetics and Catalysis Letters</i> , <b>1991</b> , 43, 475-479		12
12	What Is the Value of Water Contact Angle on Silicon?. <i>Materials</i> , <b>2020</b> , 13,	3.5	9
11	Thermodynamics of the CMMS approach and carbon surface chemistry in SO <sub>2</sub> adsorption. <i>Langmuir</i> , <b>2006</b> , 22, 6887-92	4	9
10	Catalytic properties of Sn-Ce-Rh-O in dehydrogenation and oxidative dehydrogenation reactions. <i>Kinetics and Catalysis</i> , <b>2007</b> , 48, 67-73	1.5	8

9	Determination of sulfonate groups in anionically modified poly(ethylene terephthalate). <i>Acta Polymerica</i> , <b>1985</b> , 36, 691-694		8
8	Correlation between the catalytic and electrocatalytic properties of nitrogen-doped carbon nanooxions and the polarity of the carbon surface: Experimental and theoretical investigations. <i>Carbon</i> , <b>2019</b> , 151, 120-129	10.4	7
7	Catalytic destruction of methyl tertiary butyl ether (MTBE) using oxidized carbon. <i>Catalysis Today</i> , <b>2008</b> , 137, 460-465	5.3	7
6	Impact of the interaction with the positive charge in adsorption of benzene and other organic compounds from aqueous solutions on carbons. <i>Applied Surface Science</i> , <b>2007</b> , 253, 4006-4009	6.7	6
5	WAXS and SAXS studies on the supermolecular structure of sulfonated poly(ethylene terephthalate). <i>Journal of Macromolecular Science - Physics</i> , <b>1992</b> , 31, 239-264	1.4	6
4	Adsorption from Aqueous Solutions of Selected Heavy Metal Cations on Chemically Modified Activated Carbon. <i>Kluwer International Series in Engineering and Computer Science</i> , <b>1996</b> , 913-920		2
3	In silico study on the effects of carbonyl groups on chemical equilibrium of reactions with a polar product occurring under confinement in pores of activated carbons. <i>Chemical Engineering Communications</i> , <b>2021</b> , 208, 171-182	2.2	2
2	Testing the self-cleaning properties of a coordination polymer surface. <i>Adsorption</i> , <b>2019</b> , 25, 33-39	2.6	1
1	Linking the Defective Structure of Boron-Doped Carbon Nano-Onions with Their Catalytic Properties: Experimental and Theoretical Studies. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 51628-51642	9.5	3