

Grzegorz Szymański

List of Publications by Year in descending order

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25
papers

2,482
citations

567144

15
h-index

552653

26
g-index

26
all docs

26
docs citations

26
times ranked

3497
citing authors

#	ARTICLE	IF	CITATIONS
1	The characterization of activated carbons with oxygen and nitrogen surface groups. Carbon, 1997, 35, 1799-1810.	5.4	1,334
2	The effect of the gradual thermal decomposition of surface oxygen species on the chemical and catalytic properties of oxidized activated carbon. Carbon, 2002, 40, 2627-2639.	5.4	362
3	Effect of Activated Carbon Surface Oxygen- and/or Nitrogen-Containing Groups on Adsorption of Copper(II) Ions from Aqueous Solution. Langmuir, 1999, 15, 6117-6122.	1.6	224
4	Influence of nitrogen surface functionalities on the catalytic activity of activated carbon in low temperature SCR of NO with NH ₃ . Catalysis Today, 2004, 90, 51-59.	2.2	107
5	Importance of oxygen surface groups in catalytic dehydration and dehydrogenation of butan-2-ol promoted by carbon catalysts. Carbon, 1991, 29, 489-498.	5.4	57
6	Catalytic conversion of propan-2-ol on carbon catalysts. Carbon, 1993, 31, 247-257.	5.4	57
7	Catalytic conversion of ethanol on carbon catalysts. Carbon, 1994, 32, 265-271.	5.4	49
8	Characterization of Cr ³⁺ /MCM-41 and Al,Cr ³⁺ /MCM-41 Mesoporous Catalysts for Gas-Phase Oxidative Dehydrogenation of Cyclohexane. Journal of Physical Chemistry C, 2007, 111, 1830-1839.	1.5	40
9	Influence of activated carbon surface oxygen functionalities on SO ₂ physisorption – Simulation and experiment. Chemical Physics Letters, 2013, 578, 85-91.	1.2	32
10	<i>In silico</i> study on the effects of carbonyl groups on chemical equilibrium of reactions with a polar product occurring under confinement in pores of activated carbons. Chemical Engineering Communications, 2021, 208, 171-182.	1.5	29
11	What Is the Value of Water Contact Angle on Silicon?. Materials, 2020, 13, 1554.	1.3	27
12	The influence of microporosity creation in highly mesoporous N-containing carbons obtained from chitosan on their catalytic and electrochemical properties. Catalysis Today, 2014, 227, 223-232.	2.2	24
13	Modified porous carbon materials as catalytic support for cathodic reduction of dioxygen. Fuel Processing Technology, 2002, 79, 251-257.	3.7	21
14	Carbon surface polarity from immersion calorimetry. Fuel Processing Technology, 2002, 79, 217-223.	3.7	19
15	Properties of CMK-8 carbon replicas obtained from KIT-6 and pyrrole at various contents of ferric catalyst. Catalysis Today, 2010, 150, 77-83.	2.2	17
16	Catalytic conversion of 2-propanol on cation-substituted forms of oxidized carbon. Reaction Kinetics and Catalysis Letters, 1991, 43, 475-479.	0.6	14
17	Thermodynamics of the CMMS Approach and Carbon Surface Chemistry in SO ₂ Adsorption. Langmuir, 2006, 22, 6887-6892.	1.6	13
18	Correlation between the catalytic and electrocatalytic properties of nitrogen-doped carbon nanooxions and the polarity of the carbon surface: Experimental and theoretical investigations. Carbon, 2019, 151, 120-129.	5.4	11

#	ARTICLE	IF	CITATIONS
19	Determination of sulfonate groups in anionically modified poly(ethylene terephthalate). Acta Polymerica, 1985, 36, 691-694.	1.3	8
20	Catalytic properties of Sn-Ce-Rh-O in dehydrogenation and oxidative dehydrogenation reactions. Kinetics and Catalysis, 2007, 48, 67-73.	0.3	8
21	Catalytic destruction of methyl tertiary butyl ether (MTBE) using oxidized carbon. Catalysis Today, 2008, 137, 460-465.	2.2	8
22	WAXS and SAXS studies on the supermolecular structure of sulfonated poly(ethylene terephthalate). Journal of Macromolecular Science - Physics, 1992, 31, 239-264.	0.4	6
23	Impact of the interaction with the positive charge in adsorption of benzene and other organic compounds from aqueous solutions on carbons. Applied Surface Science, 2007, 253, 4006-4009.	3.1	6
24	Linking the Defective Structure of Boron-Doped Carbon Nano-Onions with Their Catalytic Properties: Experimental and Theoretical Studies. ACS Applied Materials & Interfaces, 2021, 13, 51628-51642.	4.0	5
25	Testing the self-cleaning properties of a coordination polymer surface. Adsorption, 2019, 25, 33-39.	1.4	1