

Stanislaw Biniak

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42
papers

2,923
citations

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h-index

43
g-index

43
ext. papers

3,125
ext. citations

5.5
avg, IF

4.56
L-index

#	Paper	IF	Citations
42	The characterization of activated carbons with oxygen and nitrogen surface groups. <i>Carbon</i> , 1997 , 35, 1799-1810	10.4	1206
41	Multiwall carbon nanotubes purification and oxidation by nitric acid studied by the FTIR and electron spectroscopy methods. <i>Journal of Alloys and Compounds</i> , 2010 , 501, 77-84	5.7	399
40	The effect of the gradual thermal decomposition of surface oxygen species on the chemical and catalytic properties of oxidized activated carbon. <i>Carbon</i> , 2002 , 40, 2627-2639	10.4	319
39	Influence of the surface chemistry of modified activated carbon on its electrochemical behaviour in the presence of lead(II) ions. <i>Carbon</i> , 2004 , 42, 3057-3069	10.4	202
38	Effect of Activated Carbon Surface Oxygen- and/or Nitrogen-Containing Groups on Adsorption of Copper(II) Ions from Aqueous Solution <i>Langmuir</i> , 1999 , 15, 6117-6122	4	202
37	Characteristics of activated carbon prepared from waste PET by carbon dioxide activation. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013 , 100, 192-198	6	53
36	New correlations between the composition of the surface layer of carbon and its physicochemical properties exposed while paracetamol is adsorbed at different temperatures and pH. <i>Journal of Colloid and Interface Science</i> , 2003 , 257, 13-30	9.3	53
35	Effect of properties of chemically modified activated carbon and aromatic adsorbate molecule on adsorption from liquid phase. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 327, 1-8	5.1	36
34	Cyclic voltammetric and FTIR studies of powdered carbon electrodes in the electrosorption of 4-chlorophenols from aqueous electrolytes. <i>Carbon</i> , 2013 , 51, 301-312	10.4	35
33	The electrochemical behaviour of carbon fibre electrodes in various electrolytes. Double-layer capacitance. <i>Carbon</i> , 1995 , 33, 1255-1263	10.4	34
32	Interdependence of different parameters characterizing the chemistry of an activated carbon surface. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991 , 87, 3557-3561		32
31	Electrochemical behaviour of modified activated carbons in aqueous and nonaqueous solutions. <i>Journal of Applied Electrochemistry</i> , 1995 , 25, 1038-1044	2.6	29
30	On atomic-configuration-mediated correlation between electrotransport and electrochemical properties of graphene. <i>Carbon</i> , 2016 , 101, 37-48	10.4	27
29	Cyclic voltammetric studies of chemically and electrochemically generated oxygen species on activated carbons. <i>Electrochimica Acta</i> , 1997 , 42, 1441-1447	6.7	24
28	Oxygen distribution within oxidised active carbon granules. <i>Fuel</i> , 1999 , 78, 1443-1448	7.1	23
27	Electrochemical studies of the interaction between a modified activated carbon surface and heavy metal ions. <i>Journal of Applied Electrochemistry</i> , 2005 , 35, 123-130	2.6	22
26	Modified porous carbon materials as catalytic support for cathodic reduction of dioxygen. <i>Fuel Processing Technology</i> , 2002 , 79, 251-257	7.2	21

25	Influence of progressive surface oxidation of nitrogen-containing carbon on its electrochemical behaviour in phosphate buffer solutions. <i>Carbon</i> , 2002 , 40, 1873-1881	10.4	20
24	Studies of oxidized carbon nanotubes in temperature range RT-300°C by the infrared and electron spectroscopies. <i>Journal of Alloys and Compounds</i> , 2010 , 505, 379-384	5.7	19
23	Carbon surface polarity from immersion calorimetry. <i>Fuel Processing Technology</i> , 2002 , 79, 217-223	7.2	18
22	Adsorption equilibria in the systems: Aqueous solutions of organics-oxidized activated carbon samples obtained from different parts of granules. <i>Fuel</i> , 2006 , 85, 410-417	7.1	17
21	Influence of surface chemical structure of active carbon on its electrochemical behaviour in the presence of silver. <i>Journal of Applied Electrochemistry</i> , 1999 , 29, 481-487	2.6	16
20	Surface properties of carbons obtained from hexachlorobenzene and hexachloroethane by combustion synthesis. <i>Carbon</i> , 2007 , 45, 103-109	10.4	15
19	Changes in the Surface Chemistry and Adsorptive Properties of Active Carbon Previously Oxidised and Heat-Treated at Various Temperatures. I. Physicochemical Properties of the Modified Carbon Surface. <i>Adsorption Science and Technology</i> , 2001 , 19, 565-576	3.6	14
18	Study of Adsorption Equilibria in the Systems Ternary Liquid Mixtures-Modified Activated Carbons. <i>Journal of Colloid and Interface Science</i> , 1999 , 218, 480-487	9.3	13
17	Influence of high-temperature treatment of granular activated carbon on its structure and electrochemical behavior in aqueous electrolyte solution. <i>Journal of Materials Research</i> , 2010 , 25, 1617-1628	2.5	12
16	Electro-oxidation of chlorophenols on powdered carbon electrodes of different porosity. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015 , 114, 369-383	1.6	9
15	Reduction and oxidation of a Pd/activated carbon catalyst: evaluation of effects. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2010 , 101, 331-342	1.6	9
14	Changes in the Surface Chemistry and Adsorptive Properties of Active Carbon Previously Oxidized and Heat-Treated at Various Temperatures. III. Studies of the Adsorption of Organic Solutes from Aqueous Solutions. <i>Adsorption Science and Technology</i> , 2005 , 23, 867-879	3.6	8
13	Synthesis, X-ray structure, physicochemical properties and anticancer activity of mer and fac Ru(III) triphenylphosphine complexes with a benzothiazole derivative as a co-ligand. <i>Dalton Transactions</i> , 2019 , 48, 10689-10702	4.3	6
12	Electrochemical and electrocatalytic studies of the N,N'-(1R,2R)-1,2-cyclohexylenebis(salicylideneiminato)cobalt(II) complex. <i>Journal of Solid State Electrochemistry</i> , 2001 , 5, 221-226	2.6	6
11	Effects of Ozone Dissolved in Water on the Physicochemical Properties of Activated Carbons Applied in Drinking Water Treatment. <i>Adsorption Science and Technology</i> , 2010 , 28, 521-531	3.6	4
10	Changes in the Surface Chemistry and Adsorptive Properties of Active Carbon Previously Oxidised and Heat-Treated at Various Temperatures. II. Electrochemical Investigations of Surface Chemistry. <i>Adsorption Science and Technology</i> , 2002 , 20, 583-593	3.6	4
9	Preparation and characterization of novel IR-transparent semiconducting carbonaceous materials. <i>Carbon</i> , 1995 , 33, 221-224	10.4	4
8	Thermo-Chemical Modification of Low-Dimensional Carbons: an Infrared Study. <i>Journal of Applied Spectroscopy</i> , 2016 , 83, 580-585	0.7	4

7	Powdered activated carbon and carbon paste electrodes: comparison of electrochemical behaviour. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 593-600	2.6	3
6	Cyclovoltammetric and spectroscopic characterization of optically active cobalt(II) and copper(II) complexes with the Schiff base derived from (N,N?)-(1R,2R)-[1-cyclohexylenediamine and 2-hydroxyacetophenone. <i>Transition Metal Chemistry</i> , 2002 , 27, 501-505	2.1	3
5	Modification of multiwalled carbon nanotubes with a ruthenium drug candidate-indazolium[tetrachlorobis(1-indazole)ruthenate(III)] (KP1019). <i>Dalton Transactions</i> , 2020 , 49, 16791-16800	4.3	1
4	Behavior of graphitized carbon blacks in the electrodegradation and sorption of chlorophenoxyacetic acids. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2016 , 117, 477-486	1.6	1
3	Cyclovoltammetric studies of carbon materials-supported palladium. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2012 , 106, 203-216	1.6	0
2	The influence of nonpolar organics adsorption on the electrochemical behaviour of powdered activated carbon electrodes in aqueous electrolytes. <i>Applied Surface Science</i> , 2007 , 253, 5143-5148	6.7	
1	Gold(I) Complexes with P-Donor Ligands and Their Biological Evaluation. <i>Processes</i> , 2021 , 9, 2100	2.9	