Stanislaw Biniak

List of Publications by Year in Descending Order

42 papers	2,923 citations	19 h-index	43 g-index
43 ext. papers	3,125 ext. citations	5.5 avg, IF	4.56 L-index

#	Paper	IF	Citations
42	Gold(I) Complexes with P-Donor Ligands and Their Biological Evaluation. *Processes*, **2021**, 9, 2100	2.9	
41	Modification of multiwalled carbon nanotubes with a ruthenium drug candidate-indazolium[tetrachlorobis(1-indazole)ruthenate(III)] (KP1019). *Dalton Transactions*, **2020** , 49, 16791-16800	4.3	1
40	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. *Dalton Transactions*, **2019**, 48, 10689-10702	4.3	6
39	On adatomic-configuration-mediated correlation between electrotransport and electrochemical properties of graphene. *Carbon*, **2016**, 101, 37-48	10.4	27
38	Thermo-Chemical Modification of Low-Dimensional Carbons: an Infrared Study. *Journal of Applied Spectroscopy*, **2016**, 83, 580-585	0.7	4
37	Behavior of graphitized carbon blacks in the electrodegradation and sorption of chlorophenoxyacetic acids. *Reaction Kinetics, Mechanisms and Catalysis*, **2016**, 117, 477-486	1.6	1
36	Electro-oxidation of chlorophenols on powdered carbon electrodes of different porosity. *Reaction Kinetics, Mechanisms and Catalysis*, **2015**, 114, 369-383	1.6	9
35	Characteristics of activated carbon prepared from waste PET by carbon dioxide activation. *Journal of Analytical and Applied Pyrolysis*, **2013**, 100, 192-198	6	53
34	Cyclic voltammetric and FTIR studies of powdered carbon electrodes in the electrosorption of 4-chlorophenols from aqueous electrolytes. *Carbon*, **2013**, 51, 301-312	10.4	35
33	Cyclovoltammetric studies of carbon materials-supported palladium. *Reaction Kinetics, Mechanisms and Catalysis*, **2012**, 106, 203-216	1.6	0
32	Influence of high-temperature treatment of granular activated carbon on its structure and electrochemical behavior in aqueous electrolyte solution. *Journal of Materials Research*, **2010**, 25, 1617-1628	2.5	12
31	Effects of Ozone Dissolved in Water on the Physicochemical Properties of Activated Carbons Applied in Drinking Water Treatment. *Adsorption Science and Technology*, **2010**, 28, 521-531	3.6	4
30	Multiwall carbon nanotubes purification and oxidation by nitric acid studied by the FTIR and electron spectroscopy methods. *Journal of Alloys and Compounds*, **2010**, 501, 77-84	5.7	399
29	Studies of oxidized carbon nanotubes in temperature range RT–630°C by the infrared and electron spectroscopies. *Journal of Alloys and Compounds*, **2010**, 505, 379-384	5.7	19
28	Reduction and oxidation of a Pd/activated carbon catalyst: evaluation of effects. *Reaction Kinetics, Mechanisms and Catalysis*, **2010**, 101, 331-342	1.6	9
27	Powdered activated carbon and carbon paste electrodes: comparison of electrochemical behaviour. *Journal of Applied Electrochemistry*, **2009**, 39, 593-600	2.6	3
26	Effect of properties of chemically modified activated carbon and aromatic adsorbate molecule on adsorption from liquid phase. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 327, 1-8	5.1	36

25	The influence of nonpolar organics adsorption on the electrochemical behaviour of powdered activated carbon electrodes in aqueous electrolytes. *Applied Surface Science*, **2007**, 253, 5143-5148	6.7	
24	Surface properties of carbons obtained from hexachlorobenzene and hexachloroethane by combustion synthesis. *Carbon*, **2007**, 45, 103-109	10.4	15
23	Adsorption equilibria in the systems: Aqueous solutions of organics□oxidized activated carbon samples obtained from different parts of granules. *Fuel*, **2006**, 85, 410-417	7.1	17
22	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. *Adsorption Science and Technology*, **2005**, 23, 867-879	3.6	8
21	Electrochemical studies of the interaction between a modified activated carbon surface and heavy metal ions. *Journal of Applied Electrochemistry*, **2005**, 35, 123-130	2.6	22
20	Influence of the surface chemistry of modified activated carbon on its electrochemical behaviour in the presence of lead(II) ions. *Carbon*, **2004**, 42, 3057-3069	10.4	202
19	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. *Journal of Colloid and Interface Science*, **2003**, 257, 13-30	9.3	53
18	Carbon surface polarity from immersion calorimetry. *Fuel Processing Technology*, **2002**, 79, 217-223	7.2	18
17	Modified porous carbon materials as catalytic support for cathodic reduction of dioxygen. *Fuel Processing Technology*, **2002**, 79, 251-257	7.2	21
16	Influence of progressive surface oxidation of nitrogen-containing carbon on its electrochemical behaviour in phosphate buffer solutions. *Carbon*, **2002**, 40, 1873-1881	10.4	20
15	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	10.4	319
14	Cyclovoltammetric and spectroscopic characterization of optically active cobalt(II) and copper(II) complexes with the Schiff base derived from (N,N?)-(1R,2R)-(□-cyclohexylenediamine and 2-hydroxyacetophenone. *Transition Metal Chemistry*, **2002**, 27, 501-505	2.1	3
13	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. *Adsorption Science and Technology*, **2002**, 20, 583-593	3.6	4
12	Electrochemical and electrocatalytic studies of the N,N?-(1R,2R)-(□-1,2-cyclohexylenebis(salicylideneiminato)cobalt(II) complex. *Journal of Solid State Electrochemistry*, **2001**, 5, 221-226	2.6	6
11	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. *Adsorption Science and Technology*, **2001**, 19, 565-576	3.6	14
10	Oxygen distribution within oxidised active carbon granules. *Fuel*, **1999**, 78, 1443-1448	7.1	23
9	Influence of surface chemical structure of active carbon on its electrochemical behaviour in the presence of silver. *Journal of Applied Electrochemistry*, **1999**, 29, 481-487	2.6	16
8	Study of Adsorption Equilibria in the Systems Ternary Liquid Mixtures-Modified Activated Carbons. *Journal of Colloid and Interface Science*, **1999**, 218, 480-487	9.3	13

7	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	4	202
6	The characterization of activated carbons with oxygen and nitrogen surface groups. *Carbon*, **1997**, 35, 1799-1810	10.4	1206
5	Cyclic voltammetric studies of chemically and electrochemically generated oxygen species on activated carbons. *Electrochimica Acta*, **1997**, 42, 1441-1447	6.7	24
4	Electrochemical behaviour of modified activated carbons in aqueous and nonaqueous solutions. *Journal of Applied Electrochemistry*, **1995**, 25, 1038-1044	2.6	29
3	Preparation and characterization of novel IR-transparent semiconducting carbonaceous materials. *Carbon*, **1995**, 33, 221-224	10.4	4
2	The electrochemical behaviour of carbon fibre electrodes in various electrolytes. Double-layer capacitance. *Carbon*, **1995**, 33, 1255-1263	10.4	34
1	Interdependence of different parameters characterizing the chemistry of an activated carbon surface. *Journal of the Chemical Society, Faraday Transactions*, **1991**, 87, 3557-3561		32