

# Alexander M Puziy

## List of Publications by Year in descending order

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79  
papers

4,312  
citations

236925

25  
h-index

106344

65  
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79  
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79  
docs citations

79  
times ranked

4895  
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of H-form clinoptilolite to preconcentrate trace amounts of Nd(III) from aqueous solution under dynamic conditions. <i>Microporous and Mesoporous Materials</i> , 2022, 333, 111739.	4.4	2
2	PHOTOCATALYTIC ACTIVITY OF MESOPOROUS TiO <sub>2</sub> (ANATAS) IN THE REACTION OF HYDROGEN RELEASE FROM AQUEOUS-ETHANOLIC MIXTURE. <i>Ukrainian Chemistry Journal</i> , 2022, 88, 94-112.	0.5	1
3	Photocatalytic degradation of dyes using phosphorus-containing activated carbons. <i>Applied Surface Science</i> , 2021, 535, 147667.	6.1	28
4	Synthesis and characterization of different binary and ternary phase mixtures of mesoporous nanocrystalline titanium dioxide. <i>SN Applied Sciences</i> , 2021, 3, 1.	2.9	6
5	Editorial: Physisorption of Gases: Adsorbent Characterization, Adsorbent-Adsorbate Equilibrium and Kinetics. <i>Frontiers in Chemistry</i> , 2021, 9, 668553.	3.6	0
6	Phosphorus-containing carbons: Preparation, properties and utilization. <i>Carbon</i> , 2020, 157, 796-846.	10.3	100
7	Carbon Materials from Technical Lignins: Recent Advances. <i>Topics in Current Chemistry Collections</i> , 2020, , 95-128.	0.5	8
8	Mesoporous TiO <sub>2</sub> microspheres with improved efficiency for photooxidation of volatile organic compounds. <i>Research on Chemical Intermediates</i> , 2019, 45, 4133-4148.	2.7	7
9	Activated carbons with adsorbed cations as photocatalysts for pollutants degradation in aqueous medium. <i>Adsorption</i> , 2019, 25, 267-278.	3.0	14
10	Photocatalytic Activity of Mesoporous Titanium Dioxide Stabilized with Lanthanum in the Gas-Phase Oxidation of Ethanol. <i>Theoretical and Experimental Chemistry</i> , 2018, 53, 395-401.	0.8	5
11	Phosphorus, nitrogen and oxygen co-doped polymer-based core-shell carbon sphere for high-performance hybrid supercapacitors. <i>Electrochimica Acta</i> , 2018, 270, 339-351.	5.2	78
12	Effect of Redox and Acid Properties of Ga <sup>III</sup> -H-ZSM-5 Nanophase Catalysts Modified by Transition Metals on the Reduction of Nitrous Oxide by Methane. <i>Theoretical and Experimental Chemistry</i> , 2018, 54, 247-254.	0.8	0
13	Carbon Materials from Technical Lignins: Recent Advances. <i>Topics in Current Chemistry</i> , 2018, 376, 33.	5.8	52
14	Crucial Role of Weak Acid Sites for Catalytic Performance of Zeolites in Ethyl <i>tert</i> -butyl Ether Synthesis. <i>Chemical Engineering Communications</i> , 2017, 204, 937-941.	2.6	6
15	Ethyl <i>tert</i> -butyl ether synthesis using carbon catalysts from lignocellulose. <i>Adsorption Science and Technology</i> , 2017, 35, 473-481.	3.2	10
16	Assessment of the structural evolution of polyimide-derived carbons obtained by phosphoric acid activation using Fourier transform infrared and Raman spectroscopy. <i>Adsorption Science and Technology</i> , 2017, 35, 403-412.	3.2	7
17	Photocatalytic and photoelectrochemical properties of hierarchical mesoporous TiO <sub>2</sub> microspheres produced using a crown template. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 334, 26-35.	3.9	10
18	Cation-containing active carbons as photocatalysts for dyes degradation. <i>Himia, Fizika Ta Tehnologija Poverhni</i> , 2017, 8, 422-431.	0.9	1

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19	Methanol carboxylation over zirconium dioxide: Effect of catalyst phase composition on its acid-base spectrum and direction of catalytic transformations. Canadian Journal of Chemical Engineering, 2016, 94, 745-751.	1.7	10
20	Kinetics of protein adsorption by nanoporous carbons with different pore size. Adsorption, 2016, 22, 541-552.	3.0	15
21	Comparison of heterogeneous pore models QSDFT and 2D-NLDFT and computer programs ASiQwin and SAIEUS for calculation of pore size distribution. Adsorption, 2016, 22, 459-464.	3.0	42
22	Photocatalytic and Photoelectrochemical Characteristics of Mesoporous Titanium Dioxide Microspheres. Theoretical and Experimental Chemistry, 2015, 51, 183-190.	0.8	6
23	Catalytic Properties of Phosphorus-Containing Charcoals in Ethyl Acetate Hydrolysis. Theoretical and Experimental Chemistry, 2014, 50, 187-190.	0.8	5
24	Preparation of carbon adsorbents from lignosulfonate by phosphoric acid activation for the adsorption of metal ions. Carbon, 2014, 80, 771-783.	10.3	151
25	Adsorption of copper ions by carbon adsorbents modified by phosphoric acid at different temperatures. Journal of Water Chemistry and Technology, 2014, 36, 110-114.	0.6	6
26	Capacitive Behaviours of Phosphorus-Rich Carbons Derived from Lignocelluloses. Electrochimica Acta, 2014, 137, 219-227.	5.2	85
27	Laser desorption/ionization time of flight mass spectrometry of phosphorus-containing carbons. Carbon, 2013, 53, 405-408.	10.3	2
28	Structural and surface heterogeneity of phosphorus-containing polyimide-derived carbons: effect of heat treatment temperature. Adsorption, 2013, 19, 717-722.	3.0	18
29	Synthesis and characterization of thermally stable large-pore mesoporous nanocrystalline anatase. Journal of Solid State Chemistry, 2013, 200, 90-98.	2.9	15
30	Structural and adsorption properties of active carbon from coconut shells modified with phosphorus heteroatoms. Theoretical and Experimental Chemistry, 2012, 48, 272-277.	0.8	7
31	Porous structure and surface chemistry of phosphoric acid activated carbon from corncob. Applied Surface Science, 2012, 261, 75-82.	6.1	209
32	Adsorption by Phosphorus-Containing Carbons. , 2012, , 245-267.		7
33	Synthesis of large-pore mesoporous nanocrystalline TiO <sub>2</sub> microspheres. Materials Letters, 2012, 75, 68-70.	2.6	22
34	Thermal properties of porous copolymers of BM-DVB and their carbonization products. New Carbon Materials, 2011, 26, 137-144.	6.1	3
35	Utilidad de la visualización de trofozoitos en líquido pleural en el diagnóstico de empiema y absceso hepático amebianos. Archivos De Bronconeumología, 2011, 47, 265-266.	0.8	1
36	Methods of production, structure, and physicochemical characteristics of phosphorylated carbon adsorbents. Theoretical and Experimental Chemistry, 2011, 47, 277-291.	0.8	20

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37	One-pot preparation of functionalized nanostructured carbons. <i>Carbon</i> , 2011, 49, 599-604.	10.3	12
38	Nanocomposite Ni/TiO <sub>2</sub> -materials for hydrogen generation systems. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 1364-1368.	7.1	8
39	Analysis of structure and properties of active carbons and their copolymeric precursors. <i>Applied Surface Science</i> , 2010, 256, 5355-5360.	6.1	5
40	Nanostructured carbons for solid phase extraction. <i>Applied Surface Science</i> , 2010, 256, 5216-5220.	6.1	11
41	Acid properties of phosphoric acid activated carbons and their catalytic behavior in ethyl-tert-butyl ether synthesis. <i>Carbon</i> , 2010, 48, 706-713.	10.3	42
42	Preparation of nanostructured carbons for solid phase extraction. <i>Annales Universitatis Mariae Curie-Skłodowska Sectio AA "Chemia"</i> , 2009, 64, .	0.2	1
43	Highly Stable Performance of Supercapacitors from Phosphorus-Enriched Carbons. <i>Journal of the American Chemical Society</i> , 2009, 131, 5026-5027.	13.7	564
44	XPS and NMR studies of phosphoric acid activated carbons. <i>Carbon</i> , 2008, 46, 2113-2123.	10.3	743
45	Impact of the Carbonization Atmosphere on the Properties of Phosphoric Acid-Activated Carbons from Fruit Stones. <i>Adsorption Science and Technology</i> , 2008, 26, 843-851.	3.2	4
46	Functionalization of Carbon and Silica Gel by Phosphoric Acid. <i>Adsorption Science and Technology</i> , 2007, 25, 531-542.	3.2	23
47	Phosphoric acid activation—Functionalization and porosity modification. <i>Applied Surface Science</i> , 2007, 253, 5736-5740.	6.1	33
48	Oxygen and phosphorus enriched carbons from lignocellulosic material. <i>Carbon</i> , 2007, 45, 1941-1950.	10.3	115
49	Phosphoric Acid and Steam as Activation Agents for Carbonized Porous Polymer Surfaces. <i>Adsorption Science and Technology</i> , 2006, 24, 167-176.	3.2	6
50	On the chemical structure of phosphorus compounds in phosphoric acid-activated carbon. <i>Applied Surface Science</i> , 2006, 252, 8036-8038.	6.1	179
51	Polymer-Based Carbon Adsorbents Obtained from Copolymer of 4,4'-Bis(maleimidodiphenyl)methane and Divinylbenzene for Use in SPE. <i>Chromatographia</i> , 2006, 64, 1-7.	1.3	15
52	Liquid phase synthesis of ethyl-tert-butyl ether: The relationship between acid, adsorption and catalytic properties of zeolite catalysts. <i>Journal of Molecular Catalysis A</i> , 2006, 253, 192-197.	4.8	26
53	Synthetic Carbons Derived from a Styrene—Divinylbenzene Copolymer Using Phosphoric Acid Activation. <i>Adsorption Science and Technology</i> , 2005, 23, 19-26.	3.2	2
54	Surface chemistry of phosphorus-containing carbons of lignocellulosic origin. <i>Carbon</i> , 2005, 43, 2857-2868.	10.3	316

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55	Carbon Sorbents Derived from Porous Polymers for Off-Line Preconcentration of Chlorophenols from Water. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004, 27, 1027-1041.	1.0	7
56	Acid-base characteristics of carbon adsorbents, determined by potentiometric titration. <i>Russian Journal of Applied Chemistry</i> , 2004, 77, 1263-1267.	0.5	7
57	Modeling of heavy metal ion binding by phosphoric acid activated carbon. <i>Applied Surface Science</i> , 2004, 221, 421-429.	6.1	50
58	Modeling of High-Pressure Adsorption Using the Bender Equation of State. <i>Langmuir</i> , 2003, 19, 314-320.	3.5	22
59	Synthetic carbons activated with phosphoric acid III. Carbons prepared in air. <i>Carbon</i> , 2003, 41, 1181-1191.	10.3	141
60	Surface heterogeneity of carbon-silica adsorbents studied on the basis of the complex adsorption investigations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 213, 45-57.	4.7	8
61	Characterisation of novel modified active carbons and marine algal biomass for the selective adsorption of lead. <i>Water Research</i> , 2002, 36, 1527-1538.	11.3	104
62	Heterogeneity of synthetic carbons obtained from polyimides. <i>Applied Surface Science</i> , 2002, 196, 89-97.	6.1	18
63	Characterization of synthetic carbons activated with phosphoric acid. <i>Applied Surface Science</i> , 2002, 200, 196-202.	6.1	40
64	Synthetic carbons activated with phosphoric acid. <i>Carbon</i> , 2002, 40, 1493-1505.	10.3	483
65	Synthetic carbons activated with phosphoric acid. <i>Carbon</i> , 2002, 40, 1507-1519.	10.3	89
66	Elucidation of the ion binding mechanism in heterogeneous carbon-composite adsorbents. <i>Carbon</i> , 2001, 39, 2313-2324.	10.3	56
67	Microbalance Techniques in Design and Control of Synthetic Carbons. <i>Magyar Árvad Kémlemeznyek</i> , 2000, 62, 491-497.	1.4	7
68	Characterization of Surface Heterogeneity of Carbon-Composite Adsorbents. <i>Materials Science Forum</i> , 1999, 308-311, 908-916.	0.3	12
69	Characterization of novel adsorbents for radiostrontium reduction in foods. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1999, 240, 101-107.	1.5	4
70	Synthesis, characterization and ion exchange properties of the framework sodium titanium germanate $\text{Na}_3\text{H}(\text{TiO})_3(\text{GeO})(\text{GeO}_4)_3 \cdot 7\text{H}_2\text{O}$ . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1999, 240, 851-857.	1.5	5
71	Use of CONTIN for Calculation of Adsorption Energy Distribution. <i>Langmuir</i> , 1999, 15, 6016-6025.	3.5	57
72	The properties of synthetic carbon derived from nitrogen- and phosphorus-containing polymer. <i>Carbon</i> , 1998, 36, 45-50.	10.3	46

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73	Cesium and strontium exchange by the framework potassium titanium silicate $K_3HTi_4O_4(SiO_4)_3 \cdot 4H_2O$ . Journal of Radioanalytical and Nuclear Chemistry, 1998, 237, 73-80.	1.5	24
74	Synthetic Carbon Derived from Polyimide. Adsorption Science and Technology, 1998, 16, 225-234.	3.2	11
75	Comparison of Various Numerical Procedures for Analysis of Structural Heterogeneity. Langmuir, 1997, 13, 1303-1306.	3.5	15
76	A Mossbauer Study of Iron Adsorption on Active Carbons. Kluwer International Series in Engineering and Computer Science, 1996, , 741-748.	0.2	0
77	Porous Structure and Adsorption Properties of Synthetic Active Carbons. Adsorption Science and Technology, 1995, 12, 267-277.	3.2	12
78	Heterogeneity of Synthetic Active Carbons. Langmuir, 1995, 11, 543-546.	3.5	25
79	Porous Structure of Synthetic Active Carbons. Studies in Surface Science and Catalysis, 1991, 62, 439-447.	1.5	5