Elena Butyrskaya

List of Publications by Year
in descending order

20	81	1684188 5	1588992 8
papers	citations	h-index	g-index

20	20	20	46
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanistic aspects of functional layer formation in hybrid one-step designed GOx/Nafion/Pd-NPs nanobiosensors. Analyst, The, 2021, 146, 2172-2185.	3.5	5
2	Cluster model of the step-shaped adsorption isotherm in metalâ€“organic frameworks. Microporous and Mesoporous Materials, 2021, 322, 111146.	4.4	4
3	Sorption Interaction between Carbon Nanotubes and Histidine Enantiomers in Aqueous Solutions. Russian Journal of Physical Chemistry A, 2021, 95, 2280-2286.	0.6	1
4	Mechanism of Sorption Interaction between L-Alanine and Carbon Nanotubes. Russian Journal of Physical Chemistry A, 2019, 93, 710-716.	0.6	1
5	Separation of ethylene glycol and alkali metal salts on carbon nanotubes and mosaic membranes. Zavodskaya Laboratoriya Diagnostika Materialov, 2018, 84, 11-17.	0.5	0
6	Sorption interactions between ethylene glycol and carbon nanotubes. Russian Journal of Physical Chemistry A, 2017, 91, 567-571.	0.6	3
7	Computer simulation of amino acid sorption on carbon nanotubes. Journal of Structural Chemistry, 2017, 58, 217-225.	1.0	6
8	Sorption Interactions between <scp>l</scp>/<scp>d</scp>-Alanine and Carbon Nanotubes in Aqueous Solutions. Journal of Physical Chemistry C, 2017, 121, 20524-20531.	3.1	9
9	Effect of the calculation method and the basis set on the structure and electrical properties of (4,4) carbon nanotubes with different lengths and open ends. Journal of Structural Chemistry, 2016, 57, 649-657.	1.0	1
10	Computer simulation of size effects and adsorption properties of one-wall carbon nanotubes (6,6). Russian Journal of General Chemistry, 2016, 86, 1684-1691.	0.8	4
11	Determining role of hydrogen bonding in electrically driven membrane transport: Quantum-chemical and molecular dynamics study. Petroleum Chemistry, 2015, 55, 918-926.	1.4	1
12	Extraction of ethylene glycol from aqueous salt solutions. Russian Journal of Physical Chemistry A, 2012, 86, 1721-1725.	0.6	3
13	Standardless structural-group analysis of supramolecular systems. Journal of Analytical Chemistry, 2009, 64, 1000-1006.	0.9	4
14	Computer simulation of the infrared spectra of endohedral metallofullerenes Li2C60 and Na2C60. Physics of the Solid State, 2009, 51, 649-656.	0.6	4
15	Transfer of glycols through an MA-41 ion-exchange membrane from aqueous and salt-aqueous solutions. Russian Journal of Physical Chemistry A, 2007, 81, 405-409.	0.6	1
16	Separation of mineral salts and nonelectrolytes (ethylene glycol) by dialysis through ion-exchange membranes. Journal of Analytical Chemistry, 2007, 62, 710-715.	0.9	8
17	Interpretation of hypsochromic and bathochromic shifts of vibrational frequencies of a cation exchanger. Journal of Analytical Chemistry, 2007, 62, 930-934.	0.9	5
18	Computer Simulation of Cation-Exchange Membrane Structure: An Elementary Act of Hydrated Ion Transport. Russian Journal of Electrochemistry, 2004, 40, 767-770.	0.9	10

#	Article	IF	Citations
19	Ab Initio Calculation of the Structure and Functions of Sulfo Cation Exchangers. Journal of Structural Chemistry, 2003, 44, 1062-1066.	1.0	3
20	Interpretation of infrared spectra for ion-exchange systems. Optics and Spectroscopy (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	0.6	8