Alexander E Burakov

List of Publications by Year
in descending order

42	2,210	840119 11	500791 28
papers	citations	h-index	g-index

43	43	43	2978
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetically active nanocomposite aerogels: preparation, characterization and application for water treatment. Journal of Porous Materials, 2022, 29, 545-557.	1.3	11
2	Technology of Nanocomposites Preparation for Sorption Purification of Aqueous Media. Inorganic Materials: Applied Research, 2022, 13, 434-441.	0.1	2
3	Fast removal of samarium ions in water on highly efficient nanocomposite based graphene oxide modified with polyhydroquinone: Isotherms, kinetics, thermodynamics and desorption. Journal of Molecular Liquids, 2021, 329, 115584.	2.3	71
4	Preparation and characterization of oxidized graphene for actinides and rare earth elements removal in nitric acid solutions from nuclear wastes. Journal of Molecular Liquids, 2021, 335, 116260.	2.3	32
5	A nanostructured composite polyhydroquinone/graphene oxide sorbent: synthesis and physical-chemical properties. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 40-44.	1.0	1
6	Composite Graphene-Containing Porous Materials from Carbon for Capacitive Deionization of Water. Molecules, 2020, 25, 2620.	1.7	5
7	Development of sorption materials based on iron(III)-chloride-modified graphene oxide for selective removal of organic pollutants from aquatic media. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 521-525.	1.0	3
8	Development of a Bentonite Clay/Carbon Nanotubes Composite for Liquid-Phase Adsorption. Materials Today: Proceedings, 2019, 11, 398-403.	0.9	7
9	High-Speed and High-Capacity Removal of Methyl Orange and Malachite Green in Water Using Newly Developed Mesoporous Carbon: Kinetic and Isotherm Studies. ACS Omega, 2019, 4, 19293-19306.	1.6	89
10	The Adsorption of Malachite Green on Graphene Nanocomposites: A Study on Kinetics Under Dynamic Conditions. Materials Today: Proceedings, 2019, 11, 404-409.	0.9	4
11	Removal of the Alizarin Red S Anionic Dye Using Graphene Nanocomposites: A study on Kinetics under Dynamic Conditions. Materials Today: Proceedings, 2019, 11, 392-397.	0.9	12
12	Graphene based adsorbents for remediation of noxious pollutants from wastewater. Environment International, 2019, 127, 160-180.	4.8	367
13	Removal of Copper(II) and Zinc(II) Ions in Water onÂa Newly Synthesized Polyhydroquinone/Graphene Nanocomposite Material: Kinetics, Thermodynamics and Mechanism. ChemistrySelect, 2019, 4, 12708-12718.	0.7	88
14	New Carbon Nanomaterials for Water Purification from Heavy Metals. , 2019, , 393-412.		1
15	Water treatment by new-generation graphene materials: hope for bright future. Environmental Science and Pollution Research, 2018, 25, 7315-7329.	2.7	146
16	Kinetics of the adsorption of scandium and cerium ions in sulfuric acid solutions on a nanomodified activated carbon. Journal of Molecular Liquids, 2018, 253, 277-283.	2.3	49
17	Adsorption of p-Cresol on Al2O3 coated multi-walled carbon nanotubes: Response surface methodology and isotherm study. Journal of Industrial and Engineering Chemistry, 2018, 57, 396-404.	2.9	63
18	Adsorption of heavy metals on conventional and nanostructured materials for wastewater treatment purposes: A review. Ecotoxicology and Environmental Safety, 2018, 148, 702-712.	2.9	1,135

#	Article	IF	Citations
19	Synthesis and Properties of a Polyamine-Cumulene/Carbon Nanotubes for Removing Harmful Substances from Aqueous Solutions. Journal of Physics: Conference Series, 2018, 1124, 081026.	0.3	0
20	Application of graphene-like nanomaterials as modifying composite structures for construction purposes. AIP Conference Proceedings, 2018, , .	0.3	0
21	Adsorption of the Methylene Blue Dye on Carbon Nanocomposites Under Dynamic Conditions: A Kinetic Study. Journal of Physics: Conference Series, 2018, 1124, 081029.	0.3	0
22	Kinetics of the Adsorption of Synthetic Dyes on a Polyhydroquinone/Graphene Carbon Nanocomposite. Journal of Physics: Conference Series, 2018, 1124, 081030.	0.3	2
23	Sorption activity of nanostructured materials. International Journal of Nanotechnology, 2018, 15, 433.	0.1	0
24	The effect of fluorinated graphene nanoplatelets on the physical and mechanical properties in a polymer material. AIP Conference Proceedings, 2018, , .	0.3	2
25	Adsorption of heavy metals from aqueous media on graphene-based nanomaterials. AIP Conference Proceedings, 2018, , .	0.3	9
26	An equilibrium study of the liquid-phase sorption of Lead (II) ions on nanoporous carbon materials. Nanosystems: Physics, Chemistry, Mathematics, 2018, , 114-116.	0.2	0
27	Kinetics of the Cu(II) sorption from aqueous solutions by carbon nanomaterials. Nanosystems: Physics, Chemistry, Mathematics, 2018, , 117-119.	0.2	0
28	Kinetic characteristics of Cu (II) adsorption on nano(poly)-cumulene. AIP Conference Proceedings, 2017, , .	0.3	0
29	Graphene materials for lead (II) extraction: an equilibrium study. MATEC Web of Conferences, 2017, 129, 06022.	0.1	1
30	A setup for electrically controlled liquid-phase sorption of organic pollutants on nanostructured materials. MATEC Web of Conferences, 2017, 129, 06020.	0.1	0
31	High-flux ultrafiltration membrane based on electrospun polyacrylonitrile nanofibrous scaffolds for arsenate removal from aqueous solutions. Journal of Colloid and Interface Science, 2017, 506, 564-571.	5.0	59
32	Kinetics of liquid-phase adsorption of organic dye on activated carbons. Protection of Metals and Physical Chemistry of Surfaces, 2016, 52, 782-785.	0.3	6
33	Liquid-Phase Adsorption of an Organic Dye on Non-Modified and Nanomodified Activated Carbons: Equilibrium and Kinetic Analysis. Advanced Materials & Technologies, 2016, , 042-048.	0.2	2
34	Ecotoxicology of heavy metals: Liquid-phase extraction by nanosorbents. IOP Conference Series: Materials Science and Engineering, 2015, 98, 012023.	0.3	1
35	Modification of an activated carbon pore surface by nanocarbon and study of its adsorption characteristics. Protection of Metals and Physical Chemistry of Surfaces, 2015, 51, 505-509.	0.3	2
36	Removal of Heavy-Metal Ions from Aqueous Solutions Using Activated Carbons: Effect of Adsorbent Surface Modification with Carbon Nanotubes. Adsorption Science and Technology, 2014, 32, 737-747.	1.5	25

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37	Effect of ultrasound on catalytic system for synthesizing carbon nanomaterials. Theoretical Foundations of Chemical Engineering, 2014, 48, 493-496.	0.2	3
38	Deposition of aerosol nanoparticles on filters coated with layer of carbon nanotubes. Colloid Journal, 2011, 73, 807-814.	0.5	2
39	Graphene-Based Nanocomposites for Enhanced Pb²⁺ Adsorption. Nano Hybrids and Composites, 0, 13, 323-329.	0.8	6
40	Preparation of TiO₂/Carbon Nanotubes Composites and a Study of their Adsorption on Organic Dyes. Nano Hybrids and Composites, 0, 13, 348-354.	0.8	1
41	Kinetic Study on Pb(II) Adsorption from Aqueous Solutions on Carbon Materials. Nano Hybrids and Composites, 0, 13, 334-340.	0.8	3
42	A Cumulene/CNTs Nanocomposite for Removal of Organic Dyes from Aquatic Media. , 0, , .		0