

Muataz Ali Atieh

List of Publications by Year in descending order

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53
papers

3,207
citations

201575

27
h-index

175177

52
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54
all docs

54
docs citations

54
times ranked

4075
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metal removal from aqueous solution by advanced carbon nanotubes: Critical review of adsorption applications. <i>Separation and Purification Technology</i> , 2016, 157, 141-161.	3.9	977
2	Adsorptive removal of cadmium(II) ions from liquid phase using acid modified carbon-based adsorbents. <i>Journal of Molecular Liquids</i> , 2015, 204, 255-263.	2.3	202
3	Effect of Carboxylic Functional Group Functionalized on Carbon Nanotubes Surface on the Removal of Lead from Water. <i>Bioinorganic Chemistry and Applications</i> , 2010, 2010, 1-9.	1.8	184
4	Effect of acid modification on adsorption of hexavalent chromium (Cr(VI)) from aqueous solution by activated carbon and carbon nanotubes. <i>Desalination and Water Treatment</i> , 2016, 57, 7232-7244.	1.0	150
5	Bioremediation of dyes: Current status and prospects. <i>Journal of Water Process Engineering</i> , 2020, 38, 101680.	2.6	120
6	Removal of Chromium (VI) from polluted water using carbon nanotubes supported with activated carbon. <i>Procedia Environmental Sciences</i> , 2011, 4, 281-293.	1.3	105
7	Sorption of phenol from waters on activated carbon impregnated with iron oxide, aluminum oxide and titanium oxide. <i>Journal of Molecular Liquids</i> , 2016, 213, 351-359.	2.3	89
8	Recent progress in environmentally friendly bio-electrochemical devices for simultaneous water desalination and wastewater treatment. <i>Science of the Total Environment</i> , 2020, 748, 141046.	3.9	81
9	Effect of acid treated carbon nanotubes on mechanical, rheological and thermal properties of polystyrene nanocomposites. <i>Composites Part B: Engineering</i> , 2011, 42, 1554-1561.	5.9	79
10	Removal of Chromium (III) from Water by Using Modified and Nonmodified Carbon Nanotubes. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-9.	1.5	78
11	Enhanced adsorption of phenols from liquids by aluminum oxide/carbon nanotubes: Comprehensive study from synthesis to surface properties. <i>Journal of Molecular Liquids</i> , 2015, 206, 176-182.	2.3	78
12	Fabrication and antifouling behaviour of a carbon nanotube membrane. <i>Materials and Design</i> , 2016, 89, 549-558.	3.3	77
13	Ferric oxide nanoparticles decorated carbon nanotubes and carbon nanofibers: From synthesis to enhanced removal of phenol. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 511-520.	2.4	70
14	Novel anti-microbial membrane for desalination pretreatment: A silver nanoparticle-doped carbon nanotube membrane. <i>Desalination</i> , 2015, 376, 82-93.	4.0	67
15	Review of phosphate removal from water by carbonaceous sorbents. <i>Journal of Environmental Management</i> , 2021, 287, 112245.	3.8	64
16	Characterization and Separation Performance of a Novel Polyethersulfone Membrane Blended with Acacia Gum. <i>Scientific Reports</i> , 2017, 7, 15831.	1.6	49
17	Arabic gum as a novel pore-forming and hydrophilic agent in polysulfone membranes. <i>Journal of Membrane Science</i> , 2017, 529, 95-104.	4.1	45
18	Removal of Cadmium from Water by CNT@PAC Composite: Effect of Functionalization. <i>Nano</i> , 2016, 11, 1650011.	0.5	41

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19	Multi-Wall Carbon Nanotubes/Styrene Butadiene Rubber (SBR) Nanocomposite. Fullerenes Nanotubes and Carbon Nanostructures, 2007, 15, 207-214.	1.0	39
20	Faradic capacitive deionization (FCDI) for desalination and ion removal from wastewater. Chemosphere, 2021, 275, 130001.	4.2	39
21	Enhanced Adsorption of Selenium Ions from Aqueous Solution Using Iron Oxide Impregnated Carbon Nanotubes. Bioinorganic Chemistry and Applications, 2017, 2017, 1-12.	1.8	38
22	Effect of -COOH Functionalized Carbon Nanotubes on Mechanical, Dynamic Mechanical and Thermal Properties of Polypropylene Nanocomposites. Journal of Thermoplastic Composite Materials, 2012, 25, 333-350.	2.6	36
23	Adsorption of phenol on aluminum oxide impregnated fly ash. Desalination and Water Treatment, 2016, 57, 6801-6808.	1.0	35
24	Performance investigation of multiwall carbon nanotubes based water/oil nanofluids for high pressure and high temperature solar thermal technologies for sustainable energy systems. Energy Conversion and Management, 2020, 225, 113453.	4.4	33
25	Antibiofouling Performance by Polyethersulfone Membranes Cast with Oxidized Multiwalled Carbon Nanotubes and Arabic Gum. Membranes, 2019, 9, 32.	1.4	29
26	Carbide Derived Carbon (CDC) as novel adsorbent for ibuprofen removal from synthetic water and treated sewage effluent. Journal of Environmental Health Science & Engineering, 2020, 18, 1375-1390.	1.4	29
27	Benzene Removal by Iron Oxide Nanoparticles Decorated Carbon Nanotubes. Journal of Nanomaterials, 2016, 2016, 1-10.	1.5	28
28	Novel Aluminum Oxide-Impregnated Carbon Nanotube Membrane for the Removal of Cadmium from Aqueous Solution. Materials, 2017, 10, 1144.	1.3	27
29	Evaluation of micro- and nano-carbon-based adsorbents for the removal of phenol from aqueous solutions. Toxicological and Environmental Chemistry, 2015, 97, 1164-1179.	0.6	25
30	Enhanced Fouling Resistance and Antibacterial Properties of Novel Graphene Oxide-Arabic Gum Polyethersulfone Membranes. Applied Sciences (Switzerland), 2019, 9, 513.	1.3	23
31	Antibacterial Properties of Polysulfone Membranes Blended with Arabic Gum. Membranes, 2019, 9, 29.	1.4	23
32	Effect of Multi-Wall Carbon Nanotubes on the Mechanical Properties of Natural Rubber. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 641-649.	1.0	22
33	Rheological behavior of polypropylene nanocomposites at low concentration of surface modified carbon nanotubes. Polymer Engineering and Science, 2012, 52, 1868-1873.	1.5	20
34	Easy one-pot method to control the morphology of polyethylene/carbon nanotube nanocomposites using metallocene catalysts. Journal of Polymer Research, 2012, 19, 1.	1.2	20
35	Effect of Functionalized Carbon Nanotubes with Carboxylic Functional Group on the Mechanical and Thermal Properties of Styrene Butadiene Rubber. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 617-627.	1.0	19
36	Cadmium removal by activated carbon, carbon nanotubes, carbon nanofibers, and carbon fly ash: a comparative study. Desalination and Water Treatment, 0, , 1-13.	1.0	18

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37	Radiation Vulcanization of Natural Rubber Latex Loaded with Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 56-71.	1.0	17
38	First Investigations on the Removal of Tungsten Species from Water Using Multi-walled Carbon Nanotubes. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	15
39	Kinetic and thermodynamic investigations of surfactants adsorption from water by carbide-derived carbon. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2021, 56, 1206-1220.	0.9	13
40	The Role of Nanofluids and Renewable Energy in the Development of Sustainable Desalination Systems: A Review. Water (Switzerland), 2020, 12, 2002.	1.2	12
41	Porous Al ₂ O ₃ -CNT Nanocomposite Membrane Produced by Spark Plasma Sintering with Tailored Microstructure and Properties for Water Treatment. Nanomaterials, 2020, 10, 845.	1.9	11
42	Stability and thermophysical properties test of carbide-derived carbon thermal fluid; a comparison between functionalized and emulsified suspensions. Powder Technology, 2021, 377, 415-428.	2.1	11
43	Review: Brine Solution: Current Status, Future Management and Technology Development. Sustainability, 2022, 14, 6752.	1.6	11
44	Preparation and Characterization of Polyamidoxime Chelating Resin from Rubberwood Fibre-G-Polyacrylonitrile. Adsorption Science and Technology, 2009, 27, 661-670.	1.5	9
45	Mechanical, Rheological and Thermal Properties of Polystyrene/1-Octadecanol Modified Carbon Nanotubes Nanocomposites. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 209-217.	1.0	9
46	Performance of Acacia Gum as a Novel Additive in Thin Film Composite Polyamide RO Membranes. Membranes, 2019, 9, 30.	1.4	7
47	XPS and material properties of raw and oxidized carbide-derived carbon and their application in antifreeze thermal fluids/nanofluids. Journal of Thermal Analysis and Calorimetry, 2022, 147, 11787-11803.	2.0	7
48	Catalytic Synthesis of Substrate-Free, Aligned and Tailored High Aspect Ratio Multiwall Carbon Nanotubes in an Ultrasonic Atomization Head CVD Reactor. Journal of Nanomaterials, 2016, 2016, 1-10.	1.5	6
49	Effect of phenol functionalized carbon nanotube on mechanical, dynamic mechanical, and thermal properties of isotactic polypropylene nanocomposites. Polymer Engineering and Science, 2012, 52, 525-531.	1.5	5
50	Time-biased square wave differential electrolytic potentiometry for determination of ascorbic acid in a complex matrix at multi-walled carbon nanotubes modified silver electrodes. Arabian Journal of Chemistry, 2020, 13, 2955-2963.	2.3	5
51	Carbon Nanotubes as Nanosensor for Differential Electrolytic Micropotentiometry. American Journal of Analytical Chemistry, 2014, 05, 879-890.	0.3	4
52	Monolayer Graphene Transfer onto Hydrophilic Substrates: A New Protocol Using Electrostatic Charging. Membranes, 2020, 10, 358.	1.4	3
53	Fabrication of a CNT/Ag potentiometric sensor for redox reactions via catalytic chemical vapor deposition. Electrochemistry Communications, 2020, 119, 106806.	2.3	3