Raed A Al-Juboori

List of Publications by Year
in descending order

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34 papers	1,074 citations	471061 17 h-index	433756 31 g-index
34 all docs	34 docs citations	34 times ranked	1359 citing authors

#	Article	IF	Citations
1	Evaluating the Ability of Bone Char/nTiO2 Composite and UV Radiation for Simultaneous Oxidation and Adsorption of Arsenite. Sustainable Chemistry, 2022, 3, 19-34.	2.2	3
2	Innovative capacitiveÂdeionization-degaussing approach for improving adsorption/desorption for macadamia nutshell biochar. Journal of Water Process Engineering, 2022, 47, 102786.	2.6	8
3	Natural and recycled materials for sustainable membrane modification: Recent trends and prospects. Science of the Total Environment, 2022, 838, 156014.	3.9	14
4	Adsorptive behavior of phosphorus onto recycled waste biosolids after being acid leached from wastewater sludge. Chemical Engineering Journal Advances, 2022, 11, 100329.	2.4	3
5	Inorganic arsenic species removal from water using bone char: A detailed study on adsorption kinetic and isotherm models using error functions analysis. Journal of Hazardous Materials, 2021, 405, 124112.	6.5	75
6	Newly developed membrane contactor-based N and P recovery process: Pilot-scale field experiments and cost analysis. Journal of Cleaner Production, 2021, 281, 125288.	4.6	18
7	Wastewater treatment with starch-based coagulants for nutrient recovery purposes: Testing on lab and pilot scales. Journal of Environmental Management, 2021, 284, 112021.	3.8	16
8	Power effect of ultrasonically vibrated spacers in air gap membrane distillation: Theoretical and experimental investigations. Separation and Purification Technology, 2021, 262, 118319.	3.9	18
9	Multipurpose treatment of landfill leachate using natural coagulants â€“ Pretreatment for nutrient recovery and removal of heavy metals and micropollutants. Journal of Environmental Chemical Engineering, 2021, 9, 105213.	3.3	27
10	Ultrasound-assisted membrane technologies for fouling control and performance improvement: A review. Journal of Water Process Engineering, 2021, 43, 102268.	2.6	21
11	Direct contact ultrasound for fouling control and flux enhancement in air-gap membrane distillation. Ultrasonics Sonochemistry, 2020, 61, 104816.	3.8	35
12	Effect of pyrolysis conditions on bone char characterization and its ability for arsenic and fluoride removal. Environmental Pollution, 2020, 262, 114221.	3.7	63
13	Ultrasound Technology Integration into Drinking Water Treatment Train. , 2020, , .		2
14	Macadamia Nutshell Biochar for Nitrate Removal: Effect of Biochar Preparation and Process Parameters. Journal of Carbon Research, 2019, 5, 47.	1.4	15
15	Bone char as a green sorbent for removing health threatening fluoride from drinking water. Environment International, 2019, 127, 704-719.	4.8	97
16	Biochar versus bone char for a sustainable inorganic arsenic mitigation in water: What needs to be done in future research?. Environment International, 2019, 127, 52-69.	4.8	101
17	A Critical Review on Processes and Energy Profile of the Australian Meat Processing Industry. Energies, 2017, 10, 731.	1.6	14
18	Tracking ultrasonically structural changes of natural aquatic organic carbon: Chemical fractionation and spectroscopic approaches. Chemosphere, 2016, 145, 231-248.	4.2	2

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19	Assessing the application and downstream effects of pulsed mode ultrasound as a pre-treatment for alum coagulation. Ultrasonics Sonochemistry, 2016, 31, 7-19.	3.8	7
20	Investigating natural organic carbon removal and structural alteration induced by pulsed ultrasound. Science of the Total Environment, 2016, 541, 1019-1030.	3.9	16
21	Exploring the correlations between common UV measurements and chemical fractionation for natural waters. Desalination and Water Treatment, 2016, 57, 16324-16335.	1.0	14
22	Insights into the scalability of magnetostrictive ultrasound technology for water treatment applications. Ultrasonics Sonochemistry, 2016, 28, 357-366.	3.8	19
23	Investigating the feasibility and the optimal location of pulsed ultrasound in surface water treatment schemes. Desalination and Water Treatment, 2016, 57, 4769-4787.	1.0	4
24	Impact of pulsed ultrasound on bacteria reduction of natural waters. Ultrasonics Sonochemistry, 2015, 27, 137-147.	3.8	24
25	Energy Conversion Efficiency of Pulsed Ultrasound. Energy Procedia, 2015, 75, 1560-1568.	1.8	17
26	Energy characterisation of ultrasonic systems for industrial processes. Ultrasonics, 2015, 57, 18-30.	2.1	26
27	Biofuels from the Fresh Water Microalgae Chlorella vulgaris (FWM-CV) for Diesel Engines. Energies, 2014, 7, 1829-1851.	1.6	85
28	Alternative methods of microorganism disruption for agricultural applications. Applied Energy, 2014, 114, 909-923.	5.1	105
29	Identifying the Optimum Process Parameters for Ultrasonic Cellular Disruption of E. Coli. International Journal of Chemical Reactor Engineering, 2012, 10, .	0.6	7
30	Biofouling in RO system: Mechanisms, monitoring and controlling. Desalination, 2012, 302, 1-23.	4.0	182
31	Improving the performance of ultrasonic horn reactor for deactivating microorganisms in water. IOP Conference Series: Materials Science and Engineering, 2012, 36, 012037.	0.3	6
32	Investigating the efficiency of thermosonication for controlling biofouling in batch membrane systems. Desalination, 2012, 286, 349-357.	4.0	24
33	Effect of air gap membrane distillation parameters on the removal of fluoride from synthetic water. , 0, 124, 11-20.		3
34	Pulsed ultrasound as an energy saving mode for ultrasound treatment of surface water with terrestrial aquatic carbon. , 0, 135, 167-176.		3