

# Raed A Al-Juboori

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Biofouling in RO system: Mechanisms, monitoring and controlling. <i>Desalination</i> , 2012, 302, 1-23.	4.0	182
2	Alternative methods of microorganism disruption for agricultural applications. <i>Applied Energy</i> , 2014, 114, 909-923.	5.1	105
3	Biochar versus bone char for a sustainable inorganic arsenic mitigation in water: What needs to be done in future research?. <i>Environment International</i> , 2019, 127, 52-69.	4.8	101
4	Bone char as a green sorbent for removing health threatening fluoride from drinking water. <i>Environment International</i> , 2019, 127, 704-719.	4.8	97
5	Biofuels from the Fresh Water Microalgae <i>Chlorella vulgaris</i> (FWM-CV) for Diesel Engines. <i>Energies</i> , 2014, 7, 1829-1851.	1.6	85
6	Inorganic arsenic species removal from water using bone char: A detailed study on adsorption kinetic and isotherm models using error functions analysis. <i>Journal of Hazardous Materials</i> , 2021, 405, 124112.	6.5	75
7	Effect of pyrolysis conditions on bone char characterization and its ability for arsenic and fluoride removal. <i>Environmental Pollution</i> , 2020, 262, 114221.	3.7	63
8	Direct contact ultrasound for fouling control and flux enhancement in air-gap membrane distillation. <i>Ultrasonics Sonochemistry</i> , 2020, 61, 104816.	3.8	35
9	Multipurpose treatment of landfill leachate using natural coagulants " Pretreatment for nutrient recovery and removal of heavy metals and micropollutants. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105213.	3.3	27
10	Energy characterisation of ultrasonic systems for industrial processes. <i>Ultrasonics</i> , 2015, 57, 18-30.	2.1	26
11	Investigating the efficiency of thermosonication for controlling biofouling in batch membrane systems. <i>Desalination</i> , 2012, 286, 349-357.	4.0	24
12	Impact of pulsed ultrasound on bacteria reduction of natural waters. <i>Ultrasonics Sonochemistry</i> , 2015, 27, 137-147.	3.8	24
13	Ultrasound-assisted membrane technologies for fouling control and performance improvement: A review. <i>Journal of Water Process Engineering</i> , 2021, 43, 102268.	2.6	21
14	Insights into the scalability of magnetostrictive ultrasound technology for water treatment applications. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 357-366.	3.8	19
15	Newly developed membrane contactor-based N and P recovery process: Pilot-scale field experiments and cost analysis. <i>Journal of Cleaner Production</i> , 2021, 281, 125288.	4.6	18
16	Power effect of ultrasonically vibrated spacers in air gap membrane distillation: Theoretical and experimental investigations. <i>Separation and Purification Technology</i> , 2021, 262, 118319.	3.9	18
17	Energy Conversion Efficiency of Pulsed Ultrasound. <i>Energy Procedia</i> , 2015, 75, 1560-1568.	1.8	17
18	Investigating natural organic carbon removal and structural alteration induced by pulsed ultrasound. <i>Science of the Total Environment</i> , 2016, 541, 1019-1030.	3.9	16

#	ARTICLE	IF	CITATIONS
19	Wastewater treatment with starch-based coagulants for nutrient recovery purposes: Testing on lab and pilot scales. <i>Journal of Environmental Management</i> , 2021, 284, 112021.	3.8	16
20	Macadamia Nutshell Biochar for Nitrate Removal: Effect of Biochar Preparation and Process Parameters. <i>Journal of Carbon Research</i> , 2019, 5, 47.	1.4	15
21	Exploring the correlations between common UV measurements and chemical fractionation for natural waters. <i>Desalination and Water Treatment</i> , 2016, 57, 16324-16335.	1.0	14
22	A Critical Review on Processes and Energy Profile of the Australian Meat Processing Industry. <i>Energies</i> , 2017, 10, 731.	1.6	14
23	Natural and recycled materials for sustainable membrane modification: Recent trends and prospects. <i>Science of the Total Environment</i> , 2022, 838, 156014.	3.9	14
24	Innovative capacitive deionization-degaussing approach for improving adsorption/desorption for macadamia nutshell biochar. <i>Journal of Water Process Engineering</i> , 2022, 47, 102786.	2.6	8
25	Identifying the Optimum Process Parameters for Ultrasonic Cellular Disruption of E. Coli. <i>International Journal of Chemical Reactor Engineering</i> , 2012, 10, .	0.6	7
26	Assessing the application and downstream effects of pulsed mode ultrasound as a pre-treatment for alum coagulation. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 7-19.	3.8	7
27	Improving the performance of ultrasonic horn reactor for deactivating microorganisms in water. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012, 36, 012037.	0.3	6
28	Investigating the feasibility and the optimal location of pulsed ultrasound in surface water treatment schemes. <i>Desalination and Water Treatment</i> , 2016, 57, 4769-4787.	1.0	4
29	Effect of air gap membrane distillation parameters on the removal of fluoride from synthetic water. , 0, 124, 11-20.		3
30	Pulsed ultrasound as an energy saving mode for ultrasound treatment of surface water with terrestrial aquatic carbon. , 0, 135, 167-176.		3
31	Evaluating the Ability of Bone Char/nTiO <sub>2</sub> Composite and UV Radiation for Simultaneous Oxidation and Adsorption of Arsenite. <i>Sustainable Chemistry</i> , 2022, 3, 19-34.	2.2	3
32	Adsorptive behavior of phosphorus onto recycled waste biosolids after being acid leached from wastewater sludge. <i>Chemical Engineering Journal Advances</i> , 2022, 11, 100329.	2.4	3
33	Tracking ultrasonically structural changes of natural aquatic organic carbon: Chemical fractionation and spectroscopic approaches. <i>Chemosphere</i> , 2016, 145, 231-248.	4.2	2
34	Ultrasound Technology Integration into Drinking Water Treatment Train. , 2020, , .		2