

Hazim Qiblawey

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

2,052
citations

27
h-index

42
g-index

106
ext. papers

2,591
ext. citations

5.7
avg, IF

5.73
L-index

#	Paper	IF	Citations
91	Walnut shell based adsorbents: A review study on preparation, mechanism, and application. <i>Journal of Water Process Engineering</i> , 2022 , 45, 102527	6.7	5
90	Effective removal of phenol from wastewater using a hybrid process of graphene oxide adsorption and UV-irradiation. <i>Environmental Technology and Innovation</i> , 2022 , 27, 102525	7	0
89	Hybrid Beads of Zero Valent Iron Oxide Nanoparticles and Chitosan for Removal of Arsenic in Contaminated Water. <i>Water (Switzerland)</i> , 2021 , 13, 2876	3	2
88	Destabilization of stable bentonite colloidal suspension using choline chloride based deep eutectic solvent: Optimization study. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101885	6.7	4
87	Functional GO-based membranes for water treatment and desalination: Fabrication methods, performance and advantages. A review. <i>Chemosphere</i> , 2021 , 274, 129853	8.4	16
86	Thermochemical splitting of CO ₂ using solution combustion synthesized lanthanum strontium manganese perovskites. <i>Fuel</i> , 2021 , 285, 119154	7.1	4
85	Comparative study between adsorption and membrane technologies for the removal of mercury. <i>Separation and Purification Technology</i> , 2021 , 257, 117833	8.3	23
84	Choline chloride based natural deep eutectic solvent for destabilization and separation of stable colloidal dispersions. <i>Separation and Purification Technology</i> , 2021 , 255, 117737	8.3	8
83	Novel polysulfone ultrafiltration membranes incorporating polydopamine functionalized graphene oxide with enhanced flux and fouling resistance. <i>Journal of Membrane Science</i> , 2021 , 620, 118900	9.6	35
82	Polydopamine Functionalized Graphene Oxide as Membrane Nanofiller: Spectral and Structural Studies. <i>Membranes</i> , 2021 , 11,	3.8	15
81	Synergetic effects of dodecylamine-functionalized graphene oxide nanoparticles on antifouling and antibacterial properties of polysulfone ultrafiltration membranes. <i>Journal of Water Process Engineering</i> , 2021 , 42, 102120	6.7	5
80	Influence of choline chloride based natural deep eutectic solvent on the separation and rheological behavior of stable bentonite suspension. <i>Separation and Purification Technology</i> , 2021 , 270, 118799	8.3	4
79	Effect of concentration of calcium and sulfate ions on gypsum scaling of reverse osmosis membrane, mechanistic study. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 13459-13473	5.5	9
78	Surface Modification of TFC-PA RO Membrane by Grafting Hydrophilic pH Switchable Poly(Acrylic Acid) Brushes. <i>Advances in Polymer Technology</i> , 2020 , 2020, 1-12	1.9	7
77	Chemical kinetics of carbon dioxide in the blends of different amino acid salts and methyldiethanolamine. <i>International Journal of Energy Research</i> , 2020 , 44, 12506-12524	4.5	0
76	Corrosion Behavior of API-X120 Carbon Steel Alloy in a GTL F-T Process Water Environment at Low COD Concentration. <i>Metals</i> , 2020 , 10, 707	2.3	2
75	Synthesis of graphene oxides particle of high oxidation degree using a modified Hummers method. <i>Ceramics International</i> , 2020 , 46, 23997-24007	5.1	63

74	A systematic approach for design and simulation of monoethylene glycol (MEG) recovery in oil and gas industry. <i>International Journal of Energy Research</i> , 2020 , 44, 12363-12375	4.5	2
73	Investigating the effect of temperature on calcium sulfate scaling of reverse osmosis membranes using FTIR, SEM-EDX and multivariate analysis. <i>Science of the Total Environment</i> , 2020 , 703, 134726	10.2	27
72	Enhancement of flocculation and shear resistivity of bentonite suspension using a hybrid system of organic coagulants and anionic polyelectrolytes. <i>Separation and Purification Technology</i> , 2020 , 237, 116482	8.3	7
71	Thermo-rheological characterization of Malic Acid based Natural Deep Eutectic Solvents. <i>Science of the Total Environment</i> , 2020 , 708, 134848	10.2	8
70	Experimental measurements and modelling of viscosity and density of calcium and potassium chlorides ternary solutions. <i>Scientific Reports</i> , 2020 , 10, 16312	4.9	1
69	Removal of Oil Content from Oil-Water Emulsions Using Iron Oxide/Bentonite Nano Adsorbents. <i>Journal of Water Process Engineering</i> , 2020 , 38, 101583	6.7	11
68	Adsorption as a Process for Produced Water Treatment: A Review. <i>Processes</i> , 2020 , 8, 1657	2.9	32
67	Industrial effluent treatment with immersed MBRs: treatability and cost. <i>Water Science and Technology</i> , 2019 , 80, 762-772	2.2	4
66	Evaluating the effect of antiscalants on membrane biofouling using FTIR and multivariate analysis. <i>Biofouling</i> , 2019 , 35, 1-14	3.3	25
65	Polymeric adsorbents for oil removal from water. <i>Chemosphere</i> , 2019 , 233, 809-817	8.4	27
64	Harvesting of intact microalgae in single and sequential conditioning steps by chemical and biological based - flocculants: Effect on harvesting efficiency, water recovery and algal cell morphology. <i>Bioresource Technology</i> , 2019 , 281, 250-259	11	20
63	Corrosion study of carbon steel in CO ₂ loaded solution of N-methyldiethanolamine and l-arginine mixtures. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 837, 10-21	4.1	7
62	Isolation, identification and biodiversity of antiscalant degrading seawater bacteria using MALDI-TOF-MS and multivariate analysis. <i>Science of the Total Environment</i> , 2019 , 656, 910-920	10.2	17
61	Impact of combined oil-in-water emulsions and particulate suspensions on ceramic membrane fouling and permeability recovery. <i>Separation and Purification Technology</i> , 2019 , 212, 215-222	8.3	15
60	A comprehensive review on the rheological behavior of imidazolium based ionic liquids and natural deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2019 , 277, 932-958	6	38
59	Use of DPSIR Framework to Analyze Water Resources in Qatar and Overview of Reverse Osmosis as an Environment Friendly Technology. <i>Environmental Progress and Sustainable Energy</i> , 2019 , 38, 13081	2.5	9
58	Fabrication of high flux nanofiltration membrane via hydrogen bonding based co-deposition of polydopamine with poly(vinyl alcohol). <i>Journal of Membrane Science</i> , 2018 , 552, 222-233	9.6	32
57	Gas solubility and rheological behavior study of betaine and alanine based natural deep eutectic solvents (NADES). <i>Journal of Molecular Liquids</i> , 2018 , 256, 286-295	6	42

56	Cleaning of ceramic membranes for produced water filtration. <i>Journal of Petroleum Science and Engineering</i> , 2018 , 166, 283-289	4.4	33
55	Effect of electrolytes on electrokinetics and flocculation behavior of bentonite-polyacrylamide dispersions. <i>Applied Clay Science</i> , 2018 , 158, 46-54	5.2	28
54	Clogging vs. fouling in immersed membrane bioreactors. <i>Water Research</i> , 2018 , 144, 46-54	12.5	10
53	Comparison of 2D triangular C-grid shallow water models. <i>Computers and Fluids</i> , 2018 , 161, 136-154	2.8	2
52	Kinetics of CO ₂ reaction with N-methyldiethanolamine and aminobutanol using stopped flow technique. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 458, 012063	0.4	
51	Laundry wastewater treatment using ultrafiltration under different operating conditions 2018 ,		5
50	The Impact of Mechanically-Imposed Shear on Clogging, Fouling and Energy Demand for an Immersed Membrane Bioreactor. <i>Membranes</i> , 2018 , 8,	3.8	3
49	Reaction kinetics of carbon dioxide with aqueous solutions of l-Arginine, Glycine & Sarcosine using the stopped flow technique. <i>International Journal of Greenhouse Gas Control</i> , 2017 , 63, 47-58	4.2	14
48	Comparative power demand of mechanical and aeration imposed shear in an immersed membrane bioreactor. <i>Water Research</i> , 2017 , 126, 208-215	12.5	12
47	Influence of polyelectrolytes and other polymer complexes on the flocculation and rheological behaviors of clay minerals: A comprehensive review. <i>Separation and Purification Technology</i> , 2017 , 187, 137-161	8.3	80
46	Stability analysis of unstructured finite volume methods for linear shallow water flows using pseudospectra and singular value decomposition. <i>Advances in Water Resources</i> , 2016 , 96, 127-144	4.7	0
45	The impact of mechanical shear on membrane flux and energy demand. <i>Journal of Membrane Science</i> , 2016 , 516, 56-63	9.6	29
44	Projection of Significant Wave Height in a Coastal Area under RCPs Climate Change Scenarios. <i>Natural Hazards Review</i> , 2016 , 17, 04015016	3.5	8
43	Nanofiller-tuned microporous polymer molecular sieves for energy and environmental processes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 270-279	13	57
42	CFD modeling and analysis of the behavior of 30° and 45° inclined dense jets [New numerical insights]. <i>Journal of Applied Water Engineering and Research</i> , 2016 , 4, 112-127	1.2	24
41	Ceramic membrane filtration of produced water: Impact of membrane module. <i>Separation and Purification Technology</i> , 2016 , 165, 214-221	8.3	56
40	Novel methodology for facile fabrication of nanofiltration membranes based on nucleophilic nature of polydopamine. <i>Journal of Membrane Science</i> , 2016 , 511, 65-75	9.6	47
39	Numerical modeling of (30°) and (45°) inclined dense turbulent jets in stationary ambient. <i>Environmental Fluid Mechanics</i> , 2015 , 15, 537-562	2.2	39

38	Regulating the aqueous phase monomer balance for flux improvement in polyamide thin film composite membranes. <i>Journal of Membrane Science</i> , 2015 , 487, 74-82	9.6	46
37	Analysis of triangular C-grid finite volume scheme for shallow water flows. <i>Advances in Water Resources</i> , 2015 , 82, 176-195	4.7	2
36	Numerical Modeling of Turbulent Buoyant Wall Jets in Stationary Ambient Water. <i>Journal of Hydraulic Engineering</i> , 2014 , 140, 04014012	1.8	30
35	Viscosity and Density of Ternary Solution of Calcium Chloride + Sodium Chloride + Water from T = (293.15 to 323.15) K. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 2133-2143	2.8	10
34	The size and performance of offshore produced water oil-removal technologies for reinjection. <i>Separation and Purification Technology</i> , 2014 , 134, 241-246	8.3	59
33	Biosorption of Pb and Cu using fixed and suspended bacteria. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 1663-1671	6.8	27
32	Room-temperature development of thin film composite reverse osmosis membranes from cellulose acetate with antibacterial properties. <i>Journal of Membrane Science</i> , 2014 , 453, 212-220	9.6	55
31	An unstructured finite volume method for large-scale shallow flows using the fourth-order Adams scheme. <i>Computers and Fluids</i> , 2013 , 88, 579-589	2.8	5
30	Numerical simulation of rotation dominated linear shallow water flows using finite volume methods and fourth order Adams scheme. <i>Computers and Fluids</i> , 2012 , 62, 64-70	2.8	6
29	Design and Operation of Small-Scale Photovoltaic-Driven Reverse Osmosis (PV-RO) Desalination Plant for Water Supply in Rural Areas. <i>Computational Water Energy and Environmental Engineering</i> , 2012 , 01, 31-36	0.6	13
28	Performance of reverse osmosis pilot plant powered by Photovoltaic in Jordan. <i>Renewable Energy</i> , 2011 , 36, 3452-3460	8.1	38
27	Viscosity and Density of the Ternary Solution of Magnesium Chloride + Sodium Chloride + Water from (298.15 to 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 3322-3326	2.8	15
26	Economic evaluation of a small RO unit powered by PV installed in the village of Hartha, Jordan. <i>Desalination and Water Treatment</i> , 2009 , 3, 169-174		13
25	A strategy for the introduction of desalination powered by renewable energy in Jordan. <i>Desalination and Water Treatment</i> , 2009 , 3, 252-260		1
24	Laboratory setup for water purification using household PV-driven reverse osmosis unit. <i>Desalination and Water Treatment</i> , 2009 , 7, 53-59		25
23	Solar thermal desalination technologies. <i>Desalination</i> , 2008 , 220, 633-644	10.3	314
22	Design and operating characteristics of pilot scale reverse osmosis plants. <i>Desalination</i> , 2008 , 222, 441-450	5.3	20
21	Simulation of large capacity MSF brine circulation plants. <i>Desalination</i> , 2007 , 204, 501-514	10.3	22

20	Site selection for the installation of autonomous desalination systems (ADS). <i>Desalination</i> , 2007 , 203, 410-416	10.3	6
19	Separation of para-xylene from xylene mixture via crystallization. <i>Chemical Engineering and Processing: Process Intensification</i> , 2007 , 46, 25-36	3.7	33
18	Development of Web Based Computer Package for the Simulation of Thermal Desalination Processes. <i>Chemical Product and Process Modeling</i> , 2007 , 2,	1.1	1
17	Neural and genetic based techniques for solving the MSF model as opposed to conventional numerical methods. <i>Computer Aided Chemical Engineering</i> , 2007 , 297-302	0.6	
16	Advanced Computational Techniques for Solving Desalination Plant Models Using Neural and Genetic Based Methods. <i>Chemical Product and Process Modeling</i> , 2007 , 2,	1.1	3
15	MEMBRANE DESALINATION DRIVEN BY SOLAR ENERGY 2007 , 271-291		4
14	Flow properties of corn starch-milk-sugar system prepared at 368.15K. <i>Journal of Food Engineering</i> , 2006 , 77, 958-964	6	6
13	Rheology and Storage Tests of Dead Sea Shampoo. <i>Applied Rheology</i> , 2004 , 14, 96-103	1.2	3
12	Rheology of Dead Sea shampoo containing the antidandruff climbazole. <i>International Journal of Cosmetic Science</i> , 2004 , 26, 281-9	2.7	6
11	Rheological characterization of hair shampoo in the presence of dead sea salt. <i>International Journal of Cosmetic Science</i> , 2004 , 26, 19-29	2.7	5
10	Time-dependent flow properties of starch-milk-sugar pastes. <i>European Food Research and Technology</i> , 2004 , 218, 123-127	3.4	33
9	Effect of solids concentration on the rheology of labneh (concentrated yogurt) produced from sheep milk. <i>Journal of Food Engineering</i> , 2004 , 61, 347-352	6	38
8	Rheology of wheat starch-milk-sugar systems: effect of starch concentration, sugar type and concentration, and milk fat content. <i>Journal of Food Engineering</i> , 2004 , 64, 207-212	6	55
7	Simulation of CO ₂ release in multiple-effect distillers. <i>Desalination</i> , 2004 , 166, 41-52	10.3	34
6	Rheology of starch-milk-sugar systems: effect of heating temperature. <i>Carbohydrate Polymers</i> , 2004 , 55, 307-314	10.3	13
5	Model-Based Optimal Cooling Strategy for Batch Crystallization Processes. <i>Chemical Engineering Research and Design</i> , 2003 , 81, 578-584	5.5	10
4	Effect of cooling rate on unseeded batch crystallization of KCl. <i>Chemical Engineering and Processing: Process Intensification</i> , 2002 , 41, 297-302	3.7	30
3	Experimental and modelling studies of the flow properties of concentrated yogurt as affected by the storage time. <i>Journal of Food Engineering</i> , 2002 , 52, 359-365	6	67

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| 2 | Crystallization of para-xylene in scraped-surface crystallizers. <i>AICHE Journal</i> , 2001 , 47, 2441-2451 | 3.6 | 23 |
| 1 | The Effect of Different Inorganic Salts on the Growth Rate of NaCl Crystallized from Sea Water. <i>Crystal Research and Technology</i> , 1996 , 31, 19-25 | 1.3 | 5 |