

# Hazim Qiblawey

## List of Publications by Citations

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**Version:** 2024-04-25

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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	Solar thermal desalination technologies. <i>Desalination</i> , <b>2008</b> , 220, 633-644	10.3	314
90	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> , <b>2017</b> , 187, 137-161	8.3	80
89	Experimental and modelling studies of the flow properties of concentrated yogurt as affected by the storage time. <i>Journal of Food Engineering</i> , <b>2002</b> , 52, 359-365	6	67
88	Synthesis of graphene oxides particle of high oxidation degree using a modified Hummers method. <i>Ceramics International</i> , <b>2020</b> , 46, 23997-24007	5.1	63
87	The size and performance of offshore produced water oil-removal technologies for reinjection. <i>Separation and Purification Technology</i> , <b>2014</b> , 134, 241-246	8.3	59
86	Nanofiller-tuned microporous polymer molecular sieves for energy and environmental processes. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 270-279	13	57
85	Ceramic membrane filtration of produced water: Impact of membrane module. <i>Separation and Purification Technology</i> , <b>2016</b> , 165, 214-221	8.3	56
84	Room-temperature development of thin film composite reverse osmosis membranes from cellulose acetate with antibacterial properties. <i>Journal of Membrane Science</i> , <b>2014</b> , 453, 212-220	9.6	55
83	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> , <b>2004</b> , 64, 207-212	6	55
82	Novel methodology for facile fabrication of nanofiltration membranes based on nucleophilic nature of polydopamine. <i>Journal of Membrane Science</i> , <b>2016</b> , 511, 65-75	9.6	47
81	Regulating the aqueous phase monomer balance for flux improvement in polyamide thin film composite membranes. <i>Journal of Membrane Science</i> , <b>2015</b> , 487, 74-82	9.6	46
80	Gas solubility and rheological behavior study of betaine and alanine based natural deep eutectic solvents (NADES). <i>Journal of Molecular Liquids</i> , <b>2018</b> , 256, 286-295	6	42
79	Numerical modeling of (30 <sup>°</sup> ) and (45 <sup>°</sup> ) inclined dense turbulent jets in stationary ambient. <i>Environmental Fluid Mechanics</i> , <b>2015</b> , 15, 537-562	2.2	39
78	Performance of reverse osmosis pilot plant powered by Photovoltaic in Jordan. <i>Renewable Energy</i> , <b>2011</b> , 36, 3452-3460	8.1	38
77	Effect of solids concentration on the rheology of labneh (concentrated yogurt) produced from sheep milk. <i>Journal of Food Engineering</i> , <b>2004</b> , 61, 347-352	6	38
76	A comprehensive review on the rheological behavior of imidazolium based ionic liquids and natural deep eutectic solvents. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 277, 932-958	6	38
75	Novel polysulfone ultrafiltration membranes incorporating polydopamine functionalized graphene oxide with enhanced flux and fouling resistance. <i>Journal of Membrane Science</i> , <b>2021</b> , 620, 118900	9.6	35

74	Simulation of CO <sub>2</sub> release in multiple-effect distillers. <i>Desalination</i> , <b>2004</b> , 166, 41-52	10.3	34
73	Cleaning of ceramic membranes for produced water filtration. <i>Journal of Petroleum Science and Engineering</i> , <b>2018</b> , 166, 283-289	4.4	33
72	Separation of para-xylene from xylene mixture via crystallization. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2007</b> , 46, 25-36	3.7	33
71	Time-dependent flow properties of starch-silk-sugar pastes. <i>European Food Research and Technology</i> , <b>2004</b> , 218, 123-127	3.4	33
70	Fabrication of high flux nanofiltration membrane via hydrogen bonding based co-deposition of polydopamine with poly(vinyl alcohol). <i>Journal of Membrane Science</i> , <b>2018</b> , 552, 222-233	9.6	32
69	Adsorption as a Process for Produced Water Treatment: A Review. <i>Processes</i> , <b>2020</b> , 8, 1657	2.9	32
68	Numerical Modeling of Turbulent Buoyant Wall Jets in Stationary Ambient Water. <i>Journal of Hydraulic Engineering</i> , <b>2014</b> , 140, 04014012	1.8	30
67	Effect of cooling rate on unseeded batch crystallization of KCl. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2002</b> , 41, 297-302	3.7	30
66	The impact of mechanical shear on membrane flux and energy demand. <i>Journal of Membrane Science</i> , <b>2016</b> , 516, 56-63	9.6	29
65	Effect of electrolytes on electrokinetics and flocculation behavior of bentonite-polyacrylamide dispersions. <i>Applied Clay Science</i> , <b>2018</b> , 158, 46-54	5.2	28
64	Polymeric adsorbents for oil removal from water. <i>Chemosphere</i> , <b>2019</b> , 233, 809-817	8.4	27
63	Biosorption of Pb and Cu using fixed and suspended bacteria. <i>Journal of Environmental Chemical Engineering</i> , <b>2014</b> , 2, 1663-1671	6.8	27
62	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> , <b>2020</b> , 703, 134726	10.2	27
61	Evaluating the effect of antiscalants on membrane biofouling using FTIR and multivariate analysis. <i>Biofouling</i> , <b>2019</b> , 35, 1-14	3.3	25
60	Laboratory setup for water purification using household PV-driven reverse osmosis unit. <i>Desalination and Water Treatment</i> , <b>2009</b> , 7, 53-59		25
59	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> , <b>2016</b> , 4, 112-127	1.2	24
58	Crystallization of para-xylene in scraped-surface crystallizers. <i>AIChE Journal</i> , <b>2001</b> , 47, 2441-2451	3.6	23
57	Comparative study between adsorption and membrane technologies for the removal of mercury. <i>Separation and Purification Technology</i> , <b>2021</b> , 257, 117833	8.3	23

56	Simulation of large capacity MSF brine circulation plants. <i>Desalination</i> , <b>2007</b> , 204, 501-514	10.3	22
55	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> , <b>2019</b> , 281, 250-259	11	20
54	Design and operating characteristics of pilot scale reverse osmosis plants. <i>Desalination</i> , <b>2008</b> , 222, 441-450	10.3	20
53	Isolation, identification and biodiversity of antiscalant degrading seawater bacteria using MALDI-TOF-MS and multivariate analysis. <i>Science of the Total Environment</i> , <b>2019</b> , 656, 910-920	10.2	17
52	Functional GO-based membranes for water treatment and desalination: Fabrication methods, performance and advantages. A review. <i>Chemosphere</i> , <b>2021</b> , 274, 129853	8.4	16
51	Viscosity and Density of the Ternary Solution of Magnesium Chloride + Sodium Chloride + Water from (298.15 to 318.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 3322-3326	2.8	15
50	Impact of combined oil-in-water emulsions and particulate suspensions on ceramic membrane fouling and permeability recovery. <i>Separation and Purification Technology</i> , <b>2019</b> , 212, 215-222	8.3	15
49	Polydopamine Functionalized Graphene Oxide as Membrane Nanofiller: Spectral and Structural Studies. <i>Membranes</i> , <b>2021</b> , 11,	3.8	15
48	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> , <b>2017</b> , 63, 47-58	4.2	14
47	Economic evaluation of a small RO unit powered by PV installed in the village of Hartha, Jordan. <i>Desalination and Water Treatment</i> , <b>2009</b> , 3, 169-174		13
46	Rheology of starch-silk-sugar systems: effect of heating temperature. <i>Carbohydrate Polymers</i> , <b>2004</b> , 55, 307-314	10.3	13
45	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> , <b>2012</b> , 01, 31-36	0.6	13
44	Comparative power demand of mechanical and aeration imposed shear in an immersed membrane bioreactor. <i>Water Research</i> , <b>2017</b> , 126, 208-215	12.5	12
43	Removal of Oil Content from Oil-Water Emulsions Using Iron Oxide/Bentonite Nano Adsorbents. <i>Journal of Water Process Engineering</i> , <b>2020</b> , 38, 101583	6.7	11
42	Clogging vs. fouling in immersed membrane bioreactors. <i>Water Research</i> , <b>2018</b> , 144, 46-54	12.5	10
41	Viscosity and Density of Ternary Solution of Calcium Chloride + Sodium Chloride + Water from T = (293.15 to 323.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 2133-2143	2.8	10
40	Model-Based Optimal Cooling Strategy for Batch Crystallization Processes. <i>Chemical Engineering Research and Design</i> , <b>2003</b> , 81, 578-584	5.5	10
39	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> , <b>2020</b> , 9, 13459-13473	5.5	9

38	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> , <b>2019</b> , 38, 13081	2.5	9
37	Projection of Significant Wave Height in a Coastal Area under RCPs Climate Change Scenarios. <i>Natural Hazards Review</i> , <b>2016</b> , 17, 04015016	3.5	8
36	Thermo-rheological characterization of Malic Acid based Natural Deep Eutectic Solvents. <i>Science of the Total Environment</i> , <b>2020</b> , 708, 134848	10.2	8
35	Choline chloride based natural deep eutectic solvent for destabilization and separation of stable colloidal dispersions. <i>Separation and Purification Technology</i> , <b>2021</b> , 255, 117737	8.3	8
34	Surface Modification of TFC-PA RO Membrane by Grafting Hydrophilic pH Switchable Poly(Acrylic Acid) Brushes. <i>Advances in Polymer Technology</i> , <b>2020</b> , 2020, 1-12	1.9	7
33	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> , <b>2020</b> , 237, 116462	8.2	7
32	Corrosion study of carbon steel in CO <sub>2</sub> loaded solution of N-methyldiethanolamine and l-arginine mixtures. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 837, 10-21	4.1	7
31	Numerical simulation of rotation dominated linear shallow water flows using finite volume methods and fourth order Adams scheme. <i>Computers and Fluids</i> , <b>2012</b> , 62, 64-70	2.8	6
30	Site selection for the installation of autonomous desalination systems (ADS). <i>Desalination</i> , <b>2007</b> , 203, 410-416	10.3	6
29	Flow properties of corn starch milk sugar system prepared at 368.15K. <i>Journal of Food Engineering</i> , <b>2006</b> , 77, 958-964	6	6
28	Rheology of Dead Sea shampoo containing the antidandruff climbazole. <i>International Journal of Cosmetic Science</i> , <b>2004</b> , 26, 281-9	2.7	6
27	An unstructured finite volume method for large-scale shallow flows using the fourth-order Adams scheme. <i>Computers and Fluids</i> , <b>2013</b> , 88, 579-589	2.8	5
26	Rheological characterization of hair shampoo in the presence of dead sea salt. <i>International Journal of Cosmetic Science</i> , <b>2004</b> , 26, 19-29	2.7	5
25	The Effect of Different Inorganic Salts on the Growth Rate of NaCl Crystallized from Sea Water. <i>Crystal Research and Technology</i> , <b>1996</b> , 31, 19-25	1.3	5
24	Walnut shell based adsorbents: A review study on preparation, mechanism, and application. <i>Journal of Water Process Engineering</i> , <b>2022</b> , 45, 102527	6.7	5
23	Laundry wastewater treatment using ultrafiltration under different operating conditions <b>2018</b> ,		5
22	Synergetic effects of dodecylamine-functionalized graphene oxide nanoparticles on antifouling and antibacterial properties of polysulfone ultrafiltration membranes. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 42, 102120	6.7	5
21	Industrial effluent treatment with immersed MBRs: treatability and cost. <i>Water Science and Technology</i> , <b>2019</b> , 80, 762-772	2.2	4

20	Destabilization of stable bentonite colloidal suspension using choline chloride based deep eutectic solvent: Optimization study. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 40, 101885	6.7	4
19	Thermochemical splitting of CO <sub>2</sub> using solution combustion synthesized lanthanum-strontium-manganese perovskites. <i>Fuel</i> , <b>2021</b> , 285, 119154	7.1	4
18	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> , <b>2021</b> , 270, 118799	8.3	4
17	MEMBRANE DESALINATION DRIVEN BY SOLAR ENERGY <b>2007</b> , 271-291		4
16	Advanced Computational Techniques for Solving Desalination Plant Models Using Neural and Genetic Based Methods. <i>Chemical Product and Process Modeling</i> , <b>2007</b> , 2,	1.1	3
15	Rheology and Storage Tests of Dead Sea Shampoo. <i>Applied Rheology</i> , <b>2004</b> , 14, 96-103	1.2	3
14	The Impact of Mechanically-Imposed Shear on Clogging, Fouling and Energy Demand for an Immersed Membrane Bioreactor. <i>Membranes</i> , <b>2018</b> , 8,	3.8	3
13	Analysis of triangular C-grid finite volume scheme for shallow water flows. <i>Advances in Water Resources</i> , <b>2015</b> , 82, 176-195	4.7	2
12	Corrosion Behavior of API-X120 Carbon Steel Alloy in a GTL F-T Process Water Environment at Low COD Concentration. <i>Metals</i> , <b>2020</b> , 10, 707	2.3	2
11	A systematic approach for design and simulation of monoethylene glycol (MEG) recovery in oil and gas industry. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 12363-12375	4.5	2
10	Hybrid Beads of Zero Valent Iron Oxide Nanoparticles and Chitosan for Removal of Arsenic in Contaminated Water. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 2876	3	2
9	Comparison of 2D triangular C-grid shallow water models. <i>Computers and Fluids</i> , <b>2018</b> , 161, 136-154	2.8	2
8	A strategy for the introduction of desalination powered by renewable energy in Jordan. <i>Desalination and Water Treatment</i> , <b>2009</b> , 3, 252-260		1
7	Development of Web Based Computer Package for the Simulation of Thermal Desalination Processes. <i>Chemical Product and Process Modeling</i> , <b>2007</b> , 2,	1.1	1
6	Experimental measurements and modelling of viscosity and density of calcium and potassium chlorides ternary solutions. <i>Scientific Reports</i> , <b>2020</b> , 10, 16312	4.9	1
5	Chemical kinetics of carbon dioxide in the blends of different amino acid salts and methyl-diethanolamine. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 12506-12524	4.5	0
4	Stability analysis of unstructured finite volume methods for linear shallow water flows using pseudospectra and singular value decomposition. <i>Advances in Water Resources</i> , <b>2016</b> , 96, 127-144	4.7	0
3	Effective removal of phenol from wastewater using a hybrid process of graphene oxide adsorption and UV-irradiation. <i>Environmental Technology and Innovation</i> , <b>2022</b> , 27, 102525	7	0

- 2 Neural and genetic based techniques for solving the MSF model as opposed to conventional numerical methods. *Computer Aided Chemical Engineering*, **2007**, 297-302 0.6
- 1 Kinetics of CO<sub>2</sub> reaction with N-methyldiethanolamine and aminobutanol using stopped flow technique. *IOP Conference Series: Materials Science and Engineering*, **2018**, 458, 012063 0.4