Hazim Qiblawey

List of Publications by Year
in descending order

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106 papers	3,271 citations	117453 34 h-index	161609 54 g-index
106 all docs	106 docs citations	106 times ranked	3402 citing authors

#	Article	IF	Citations
1	Solar thermal desalination technologies. Desalination, 2008, 220, 633-644.	4.0	407
2	Synthesis of graphene oxides particle of high oxidation degree using a modified Hummers method. Ceramics International, 2020, 46, 23997-24007.	2.3	143
3	Influence of polyelectrolytes and other polymer complexes on the flocculation and rheological behaviors of clay minerals: A comprehensive review. Separation and Purification Technology, 2017, 187, 137-161.	3.9	107
4	Novel polysulfone ultrafiltration membranes incorporating polydopamine functionalized graphene oxide with enhanced flux and fouling resistance. Journal of Membrane Science, 2021, 620, 118900.	4.1	107
5	Adsorption as a Process for Produced Water Treatment: A Review. Processes, 2020, 8, 1657.	1.3	93
6	The size and performance of offshore produced water oil-removal technologies for reinjection. Separation and Purification Technology, 2014, 134, 241-246.	3.9	83
7	Experimental and modelling studies of the flow properties of concentrated yogurt as affected by the storage time. Journal of Food Engineering, 2002, 52, 359-365.	2.7	81
8	Gas solubility and rheological behavior study of betaine and alanine based natural deep eutectic solvents (NADES). Journal of Molecular Liquids, 2018, 256, 286-295.	2.3	76
9	Ceramic membrane filtration of produced water: Impact of membrane module. Separation and Purification Technology, 2016, 165, 214-221.	3.9	73
10	Functional GO-based membranes for water treatment and desalination: Fabrication methods, performance and advantages. A review. Chemosphere, 2021, 274, 129853.	4.2	71
11	Nanofiller-tuned microporous polymer molecular sieves for energy and environmental processes. Journal of Materials Chemistry A, 2016, 4, 270-279.	5.2	69
12	Comparative study between adsorption and membrane technologies for the removal of mercury. Separation and Purification Technology, 2021, 257, 117833.	3.9	69
13	Room-temperature development of thin film composite reverse osmosis membranes from cellulose acetate with antibacterial properties. Journal of Membrane Science, 2014, 453, 212-220.	4.1	66
14	A comprehensive review on the rheological behavior of imidazolium based ionic liquids and natural deep eutectic solvents. Journal of Molecular Liquids, 2019, 277, 932-958.	2.3	65
15	Regulating the aqueous phase monomer balance for flux improvement in polyamide thin film composite membranes. Journal of Membrane Science, 2015, 487, 74-82.	4.1	62
16	Rheology of wheat starchâ€“milkâ€“sugar systems: effect of starch concentration, sugar type and concentration, and milk fat content. Journal of Food Engineering, 2004, 64, 207-212.	2.7	61
17	Novel methodology for facile fabrication of nanofiltration membranes based on nucleophilic nature of polydopamine. Journal of Membrane Science, 2016, 511, 65-75.	4.1	61
18	Investigating the effect of temperature on calcium sulfate scaling of reverse osmosis membranes using FTIR, SEM-EDX and multivariate analysis. Science of the Total Environment, 2020, 703, 134726.	3.9	54

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19	Fabrication of high flux nanofiltration membrane via hydrogen bonding based co-deposition of polydopamine with poly(vinyl alcohol). Journal of Membrane Science, 2018, 552, 222-233.	4.1	53
20	Cleaning of ceramic membranes for produced water filtration. Journal of Petroleum Science and Engineering, 2018, 166, 283-289.	2.1	52
21	Numerical modeling of $$30^{circ }$$ 30 â˜ and $$45{^circ }$$ 45 â˜ inclined dense turbulent jets in stationary ambient. Environmental Fluid Mechanics, 2015, 15, 537-562.	0.7	51
22	Effect of solids concentration on the rheology of labneh (concentrated yogurt) produced from sheep milk. Journal of Food Engineering, 2004, 61, 347-352.	2.7	50
23	Performance of reverse osmosis pilot plant powered by Photovoltaic in Jordan. Renewable Energy, 2011, 36, 3452-3460.	4.3	50
24	Effect of electrolytes on electrokinetics and flocculation behavior of bentonite-polyacrylamide dispersions. Applied Clay Science, 2018, 158, 46-54.	2.6	50
25	Polymeric adsorbents for oil removal from water. Chemosphere, 2019, 233, 809-817.	4.2	47
26	Polydopamine Functionalized Graphene Oxide as Membrane Nanofiller: Spectral and Structural Studies. Membranes, 2021, 11, 86.	1.4	44
27	Walnut shell based adsorbents: A review study on preparation, mechanism, and application. Journal of Water Process Engineering, 2022, 45, 102527.	2.6	44
28	Biosorption of Pb and Cu using fixed and suspended bacteria. Journal of Environmental Chemical Engineering, 2014, 2, 1663-1671.	3.3	43
29	Separation of para-xylene from xylene mixture via crystallization. Chemical Engineering and Processing: Process Intensification, 2007, 46, 25-36.	1.8	38
30	Numerical Modeling of Turbulent Buoyant Wall Jets in Stationary Ambient Water. Journal of Hydraulic Engineering, 2014, 140, .	0.7	38
31	Evaluating the effect of antiscalants on membrane biofouling using FTIR and multivariate analysis. Biofouling, 2019, 35, 1-14.	0.8	38
32	Simulation of CO2 release in multiple-effect distillers. Desalination, 2004, 166, 41-52.	4.0	37
33	Laboratory setup for water purification using household PV-driven reverse osmosis unit. Desalination and Water Treatment, 2009, 7, 53-59.	1.0	36
34	Effect of cooling rate on unseeded batch crystallization of KCl. Chemical Engineering and Processing: Process Intensification, 2002, 41, 297-302.	1.8	35
35	Time-dependent flow properties of starch?milk?sugar pastes. European Food Research and Technology, 2004, 218, 123-127.	1.6	35
36	The impact of mechanical shear on membrane flux and energy demand. Journal of Membrane Science, 2016, 516, 56-63.	4.1	35

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37	Harvesting of intact microalgae in single and sequential conditioning steps by chemical and biological based â€“ flocculants: Effect on harvesting efficiency, water recovery and algal cell morphology. Bioresource Technology, 2019, 281, 250-259.	4.8	34
38	Removal of Oil Content from Oil-Water Emulsions Using Iron Oxide/Bentonite Nano Adsorbents. Journal of Water Process Engineering, 2020, 38, 101583.	2.6	34
39	Synergetic effects of dodecylamine-functionalized graphene oxide nanoparticles on antifouling and antibacterial properties of polysulfone ultrafiltration membranes. Journal of Water Process Engineering, 2021, 42, 102120.	2.6	34
40	CFD modeling and analysis of the behavior of 30Â° and 45Â° inclined dense jets â€“ new numerical insights. Journal of Applied Water Engineering and Research, 2016, 4, 112-127.	1.0	33
41	Design and operating characteristics of pilot scale reverse osmosis plants. Desalination, 2008, 222, 441-450.	4.0	27
42	Isolation, identification and biodiversity of antiscalant degrading seawater bacteria using MALDI-TOF-MS and multivariate analysis. Science of the Total Environment, 2019, 656, 910-920.	3.9	27
43	Simulation of large capacity MSF brine circulation plants. Desalination, 2007, 204, 501-514.	4.0	26
44	Crystallization of para-xylene in scraped-surface crystallizers. AICHE Journal, 2001, 47, 2441-2451.	1.8	24
45	Effect of concentration of calcium and sulfate ions on gypsum scaling of reverse osmosis membrane, mechanistic study. Journal of Materials Research and Technology, 2020, 9, 13459-13473.	2.6	24
46	Choline chloride based natural deep eutectic solvent for destabilization and separation of stable colloidal dispersions. Separation and Purification Technology, 2021, 255, 117737.	3.9	24
47	Reaction kinetics of carbon dioxide with aqueous solutions of l-Arginine, Glycine & Sarcosine using the stopped flow technique. International Journal of Greenhouse Gas Control, 2017, 63, 47-58.	2.3	23
48	Effective removal of phenol from wastewater using a hybrid process of graphene oxide adsorption and UV-irradiation. Environmental Technology and Innovation, 2022, 27, 102525.	3.0	23
49	Thermochemical splitting of CO2 using solution combustion synthesized lanthanumâ€“strontiumâ€“manganese perovskites. Fuel, 2021, 285, 119154.	3.4	22
50	Use of DPSIR Framework to Analyze Water Resources in Qatar and Overview of Reverse Osmosis as an Environment Friendly Technology. Environmental Progress and Sustainable Energy, 2019, 38, 13081.	1.3	20
51	Impact of combined oil-in-water emulsions and particulate suspensions on ceramic membrane fouling and permeability recovery. Separation and Purification Technology, 2019, 212, 215-222.	3.9	19
52	Thermo-rheological characterization of Malic Acid based Natural Deep Eutectic Solvents. Science of the Total Environment, 2020, 708, 134848.	3.9	19
53	Rheology of starchâ€“milkâ€“sugar systems: effect of heating temperature. Carbohydrate Polymers, 2004, 55, 307-314.	5.1	18
54	Clogging vs. fouling in immersed membrane bioreactors. Water Research, 2018, 144, 46-54.	5.3	17

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55	Surface Modification of TFC-PA RO Membrane by Grafting Hydrophilic pH Switchable Poly(Acrylic Acid) Brushes. Advances in Polymer Technology, 2020, 2020, 1-12.	0.8	17
56	Viscosity and Density of the Ternary Solution of Magnesium Chloride + Sodium Chloride + Water from (298.15 to 318.15) K. Journal of Chemical & Engineering Data, 2010, 55, 3322-3326.	1.0	16
57	Design and Operation of Small-Scale Photovoltaic-Driven Reverse Osmosis (PV-RO) Desalination Plant for Water Supply in Rural Areas. Computational Water Energy and Environmental Engineering, 2012, 01, 31-36.	0.4	16
58	Comparative power demand of mechanical and aeration imposed shear in an immersed membrane bioreactor. Water Research, 2017, 126, 208-215.	5.3	15
59	Economic evaluation of a small RO unit powered by PV installed in the village of Hartha, Jordan. Desalination and Water Treatment, 2009, 3, 169-174.	1.0	14
60	Viscosity and Density of Ternary Solution of Calcium Chloride + Sodium Chloride + Water from T = (293.15 to 323.15) K. Journal of Chemical & Engineering Data, 2014, 59, 2133-2143.	1.0	14
61	Corrosion study of carbon steel in CO2 loaded solution of N-methyldiethanolamine and l-arginine mixtures. Journal of Electroanalytical Chemistry, 2019, 837, 10-21.	1.9	14
62	Projection of Significant Wave Height in a Coastal Area under RCPs Climate Change Scenarios. Natural Hazards Review, 2016, 17, 04015016.	0.8	12
63	Destabilization of stable bentonite colloidal suspension using choline chloride based deep eutectic solvent: Optimization study. Journal of Water Process Engineering, 2021, 40, 101885.	2.6	12
64	Model-Based Optimal Cooling Strategy for Batch Crystallization Processes. Chemical Engineering Research and Design, 2003, 81, 578-584.	2.7	11
65	Laundry wastewater treatment using ultrafiltration under different operating conditions. AIP Conference Proceedings, 2018, , .	0.3	11
66	Enhancement of flocculation and shear resistivity of bentonite suspension using a hybrid system of organic coagulants and anionic polyelectrolytes. Separation and Purification Technology, 2020, 237, 116462.	3.9	11
67	Influence of choline chloride based natural deep eutectic solvent on the separation and rheological behavior of stable bentonite suspension. Separation and Purification Technology, 2021, 270, 118799.	3.9	11
68	The Effect of Different Inorganic Salts on the Growth Rate of NaCl Crystallized from Sea Water. Crystal Research and Technology, 1996, 31, 19-25.	0.6	9
69	Site selection for the installation of autonomous desalination systems (ADS). Desalination, 2007, 203, 410-416.	4.0	9
70	An unstructured finite volume method for large-scale shallow flows using the fourth-order Adams scheme. Computers and Fluids, 2013, 88, 579-589.	1.3	9
71	Rheology of Dead Sea shampoo containing the antidandruff climbazole. International Journal of Cosmetic Science, 2004, 26, 281-289.	1.2	8
72	Numerical simulation of rotation dominated linear shallow water flows using finite volume methods and fourth order Adams scheme. Computers and Fluids, 2012, 62, 64-70.	1.3	8

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73	Industrial effluent treatment with immersed MBRs: treatability and cost. Water Science and Technology, 2019, 80, 762-772.	1.2	7
74	Progress for Co-Incorporation of Polydopamine and Nanoparticles for Improving Membranes Performance. Membranes, 2022, 12, 675.	1.4	7
75	Rheological characterization of hair shampoo in the presence of dead sea salt. International Journal of Cosmetic Science, 2004, 26, 19-29.	1.2	6
76	Flow properties of corn starchâ€“milkâ€“sugar system prepared at 368.15K. Journal of Food Engineering, 2006, 77, 958-964.	2.7	6
77	Chemical kinetics of carbon dioxide in the blends of different amino acid salts and methyldiethanolamine. International Journal of Energy Research, 2020, 44, 12506-12524.	2.2	6
78	MEMBRANE DESALINATION DRIVEN BY SOLAR ENERGY. , 2007, , 271-291.		6
79	Corrosion Behavior of API-X120 Carbon Steel Alloy in a GTL F-T Process Water Environment at Low COD Concentration. Metals, 2020, 10, 707.	1.0	5
80	Advanced Computational Techniques for Solving Desalination Plant Models Using Neural and Genetic Based Methods. Chemical Product and Process Modeling, 2007, 2, .	0.5	4
81	Comparison of 2D triangular C-grid shallow water models. Computers and Fluids, 2018, 161, 136-154.	1.3	4
82	The Impact of Mechanically-Imposed Shear on Clogging, Fouling and Energy Demand for an Immersed Membrane Bioreactor. Membranes, 2018, 8, 104.	1.4	4
83	Rheology and Storage Tests of Dead Sea Shampoo. Applied Rheology, 2004, 14, 96-103.	3.5	3
84	Development of Web Based Computer Package for the Simulation of Thermal Desalination Processes. Chemical Product and Process Modeling, 2007, 2, .	0.5	3
85	Analysis of triangular C-grid finite volume scheme for shallow water flows. Advances in Water Resources, 2015, 82, 176-195.	1.7	3
86	Experimental measurements and modelling of viscosity and density of calcium and potassium chlorides ternary solutions. Scientific Reports, 2020, 10, 16312.	1.6	3
87	Hybrid Beads of Zero Valent Iron Oxide Nanoparticles and Chitosan for Removal of Arsenic in Contaminated Water. Water (Switzerland), 2021, 13, 2876.	1.2	3
88	An Experimental Investigation on the Thermo-Rheological Behaviors of Lactic Acid-Based Natural Deep Eutectic Solvents. Materials, 2022, 15, 4027.	1.3	3
89	A systematic approach for design and simulation of monoethylene glycol (MEG) recovery in oil and gas industry. International Journal of Energy Research, 2020, 44, 12363-12375.	2.2	2
90	Neural and genetic based techniques for solving the MSF model as opposed to conventional numerical methods. Computer Aided Chemical Engineering, 2007, , 297-302.	0.3	1

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91	A strategy for the introduction of desalination powered by renewable energy in Jordan. Desalination and Water Treatment, 2009, 3, 252-260.	1.0	1
92	Stability analysis of unstructured finite volume methods for linear shallow water flows using pseudospectra and singular value decomposition. Advances in Water Resources, 2016, 96, 127-144.	1.7	1
93	Development of novel thin film composite reverse osmosis membranes for desalination. AIP Conference Proceedings, 2019, , .	0.3	1
94	Synthesis of High-Antifouling and Antibacterial Ultrafiltration Membranes incorporating Low Concentrations of Graphene Oxide. , 2020, , .		1
95	Numerical simulation of the long-term balance of salinity in the Gulf. , 0, , .		1
96	Development of Novel Composite Membranes in Water/Wastewater Treatment. Membranes, 2022, 12, 260.	1.4	1
97	Evaluating greywater and A/C condensate daily volume and water quality in urban settings. , 2011, , .		0
98	A/C Condensate for Water Reuse: An Approach Towards Environmental Sustainability in Doha. , 2012, , .		0
99	Kinetics of CO2 reaction with N-methyldiethanolamine and aminobutanol using stopped flow technique. IOP Conference Series: Materials Science and Engineering, 2018, 458, 012063.	0.3	0
100	Household Laundry Wastewater Reuse For Food Production. , 2013, , .		0
101	Regional hydrodynamic modelling for environmental impact assessment due to desalination plants of Qatar. , 2013, , .		0
102	Mixing study of the Ras-Laffandesalination plant outfall in Qatar coastal waters, methodology. , 0, , .		0
103	Experimental and Numerical Surface Discharge of Buoyant Jet in Crossflow. , 0, , .		0
104	Wave climatology over Qatar Coastal Area Under Climate Change. , 0, , .		0
105	Experimental and Numerical Study of Non-Buoyant Surface Jet. , 0, , .		0
106	Development of Polymer Modified Graphene Oxide Nanocomposite Membranes to Reduce both Scaling and Biofouling. , 2020, , .		0