

Raed Hashaikeh

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2513768/raed-hashaikeh-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

105
papers

4,437
citations

30
h-index

64
g-index

112
ext. papers

5,380
ext. citations

6.6
avg, IF

6.52
L-index

#	Paper	IF	Citations
105	A review on membrane fabrication: Structure, properties and performance relationship. <i>Desalination</i> , 2013 , 326, 77-95	10.3	606
104	A review on electrospinning for membrane fabrication: Challenges and applications. <i>Desalination</i> , 2015 , 356, 15-30	10.3	602
103	Fabrication and characterization of polyvinylidene fluoride-co-hexafluoropropylene (PVDF-HFP) electrospun membranes for direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2013 , 428, 104-115	9.6	258
102	Solar powered desalination Technology, energy and future outlook. <i>Desalination</i> , 2019 , 453, 54-76	10.3	198
101	Underwater superoleophobic cellulose/electrospun PVDF-HFP membranes for efficient oil/water separation. <i>Desalination</i> , 2014 , 344, 48-54	10.3	185
100	Reverse osmosis pretreatment technologies and future trends: A comprehensive review. <i>Desalination</i> , 2019 , 452, 159-195	10.3	175
99	Nanocrystalline cellulose reinforced PVDF-HFP membranes for membrane distillation application. <i>Desalination</i> , 2014 , 332, 134-141	10.3	132
98	Electrically conductive polymeric membranes for fouling prevention and detection: A review. <i>Desalination</i> , 2016 , 391, 1-15	10.3	114
97	Energy for desalination: A state-of-the-art review. <i>Desalination</i> , 2020 , 491, 114569	10.3	113
96	Fog-harvesting potential of lubricant-impregnated electrospun nanomats. <i>Langmuir</i> , 2013 , 29, 13081-8	4	87
95	Electrically conductive membranes based on carbon nanostructures for self-cleaning of biofouling. <i>Desalination</i> , 2015 , 360, 8-12	10.3	81
94	Functional materials in desalination: A review. <i>Desalination</i> , 2019 , 468, 114077	10.3	70
93	Development of eco-efficient micro-porous membranes via electrospinning and annealing of poly (lactic acid). <i>Journal of Membrane Science</i> , 2013 , 436, 57-67	9.6	70
92	A review of efforts to reduce membrane fouling by control of feed spacer characteristics. <i>Desalination</i> , 2017 , 420, 384-402	10.3	69
91	Microfiltration membrane processes: A review of research trends over the past decade. <i>Journal of Water Process Engineering</i> , 2019 , 32, 100941	6.7	65
90	Hybrid technologies: The future of energy efficient desalination A review. <i>Desalination</i> , 2020 , 495, 114650	10.3	60
89	A novel in situ membrane cleaning method using periodic electrolysis. <i>Journal of Membrane Science</i> , 2014 , 471, 149-154	9.6	57

88	A review on the fabrication of zeolite and mesoporous inorganic nanofibers formation for catalytic applications. <i>Microporous and Mesoporous Materials</i> , 2016 , 236, 176-192	5.3	53
87	Electrospun cellulose/PEO fiber mats as a solid polymer electrolytes for Li ion batteries. <i>Renewable Energy</i> , 2013 , 56, 90-95	8.1	50
86	Nanocrystalline cellulose-reinforced composite mats for lithium-ion batteries: electrochemical and thermomechanical performance. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 575-581	2.6	46
85	Preparation and characterization of electrospun PLA/nanocrystalline cellulose-based composites. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 3345-3354	2.9	42
84	Gas sensing behavior of electrospun nickel oxide nanofibers: Effect of morphology and microstructure. <i>Sensors and Actuators B: Chemical</i> , 2016 , 227, 54-64	8.5	41
83	Mathematical and optimization modelling in desalination: State-of-the-art and future direction. <i>Desalination</i> , 2019 , 469, 114092	10.3	41
82	Nanocrystalline cellulose extraction process and utilization of the byproduct for biofuels production. <i>Carbohydrate Polymers</i> , 2013 , 93, 357-63	10.3	41
81	Acid mediated networked cellulose: Preparation and characterization. <i>Carbohydrate Polymers</i> , 2011 , 83, 1088-1094	10.3	40
80	Membrane-based detection of wetting phenomenon in direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2017 , 535, 89-93	9.6	38
79	Electrospun nickel tungsten oxide composite fibers as active electrocatalysts for hydrogen evolution reaction. <i>Journal of Materials Science</i> , 2017 , 52, 7269-7281	4.3	37
78	Assessment of direct contact membrane distillation under different configurations, velocities and membrane properties. <i>Applied Energy</i> , 2017 , 185, 2058-2073	10.7	36
77	Electrospun zeolite-Y fibers: Fabrication and morphology analysis. <i>Microporous and Mesoporous Materials</i> , 2016 , 233, 78-86	5.3	34
76	Modified cellulose morphologies and its composites; SEM and TEM analysis. <i>Micron</i> , 2011 , 42, 751-61	2.3	34
75	Alternative heating techniques in membrane distillation: A review. <i>Desalination</i> , 2020 , 496, 114713	10.3	30
74	Numerical investigation of air gap membrane distillation (AGMD): Seeking optimal performance. <i>Desalination</i> , 2017 , 424, 122-130	10.3	29
73	Synthesis and morphology analysis of electrospun copper nanowires. <i>Journal of Materials Science</i> , 2014 , 49, 3052-3065	4.3	28
72	Hierarchical nano zeolite-Y hydrocracking composite fibers with highly efficient hydrocracking capability.. <i>RSC Advances</i> , 2018 , 8, 16703-16715	3.7	27
71	Nanocrystalline-cellulose-reinforced poly(vinylidene fluoride-co-hexafluoropropylene) nanocomposite films as a separator for lithium ion batteries. <i>Journal of Applied Polymer Science</i> , 2012 , 126, E442-E448	2.9	26

70	Electrically conductive spacers for self-cleaning membrane surfaces via periodic electrolysis. <i>Desalination</i> , 2017 , 416, 16-23	10.3	25
69	Fabrication of electrospun LTL zeolite fibers and their application for dye removal. <i>Journal of Materials Science</i> , 2016 , 51, 1133-1141	4.3	25
68	Controlling swelling behavior of poly (vinyl) alcohol via networked cellulose and its application as a reverse osmosis membrane. <i>Desalination</i> , 2014 , 336, 138-145	10.3	25
67	PEG based quasi-solid polymer electrolyte: Mechanically supported by networked cellulose. <i>Journal of Membrane Science</i> , 2012 , 421-422, 85-90	9.6	25
66	Electrospun metallic nanowires: Synthesis, characterization, and applications. <i>Journal of Applied Physics</i> , 2013 , 114, 171301	2.5	25
65	Microbundles of carbon nanostructures as binder free highly conductive matrix for LiFePO ₄ battery cathode. <i>Journal of Power Sources</i> , 2015 , 278, 314-319	8.9	24
64	Nickel oxide nanocrystals as a lithium-ion battery anode: structure-performance relationship. <i>Journal of Materials Science</i> , 2016 , 51, 6624-6638	4.3	24
63	Flux and salt rejection enhancement of polyvinyl(alcohol) reverse osmosis membranes using nano-zeolite. <i>Desalination</i> , 2019 , 470, 114104	10.3	23
62	A facile approach to fabricate superhydrophobic membranes with low contact angle hysteresis. <i>Journal of Membrane Science</i> , 2017 , 539, 144-151	9.6	23
61	Development of a dual-layered PVDF-HFP/cellulose membrane with dual wettability for desalination of oily wastewater. <i>Journal of Membrane Science</i> , 2019 , 570-571, 418-426	9.6	22
60	Electrically conductive membranes for in situ fouling detection in membrane distillation using impedance spectroscopy. <i>Journal of Membrane Science</i> , 2018 , 556, 66-72	9.6	20
59	Electrospun Ni-W/zeolite composite fibers for n-heptane hydrocracking and hydroisomerization. <i>Materials Chemistry and Physics</i> , 2017 , 200, 146-154	4.4	20
58	Breaking through the selectivity-permeability tradeoff using nano zeolite-Y for micellar enhanced ultrafiltration dye rejection application. <i>Separation and Purification Technology</i> , 2020 , 242, 116824	8.3	19
57	Cyclable membraneless redox flow batteries based on immiscible liquid electrolytes: Demonstration with all-iron redox chemistry. <i>Electrochimica Acta</i> , 2018 , 267, 41-50	6.7	19
56	Electrospinning of nickel oxide nanofibers: Process parameters and morphology control. <i>Materials Characterization</i> , 2014 , 95, 65-71	3.9	19
55	Fouling control in reverse osmosis membranes through modification with conductive carbon nanostructures. <i>Desalination</i> , 2019 , 470, 114118	10.3	18
54	Electrochemical water splitting using nano-zeolite Y supported tungsten oxide electrocatalysts. <i>Journal of Nanoparticle Research</i> , 2018 , 20, 1	2.3	18
53	Electrically conducting nanofiltration membranes based on networked cellulose and carbon nanostructures. <i>Desalination</i> , 2017 , 406, 60-66	10.3	18

52	Ni W/nano zeolite Y catalysts for n-heptane hydrocracking. <i>Materials Chemistry and Physics</i> , 2018 , 212, 87-94	4.4	17
51	Photoelectrochemical activity of electrospun WO ₃ /NiWO ₄ nanofibers under visible light irradiation. <i>Journal of Materials Science</i> , 2018 , 53, 2208-2220	4.3	17
50	Isolation of a novel, crystalline cellulose material from the spent liquor of cellulose nanocrystals (CNCs). <i>Cellulose</i> , 2014 , 21, 3217-3229	5.5	17
49	Incorporation of nanosized LTL zeolites in dual-layered PVDF-HFP/cellulose membrane for enhanced membrane distillation performance. <i>Journal of Membrane Science</i> , 2020 , 611, 118298	9.6	16
48	Hydrocracking of Athabasca VR Using NiO-WO ₃ Zeolite-Based Catalysts. <i>Energy & Fuels</i> , 2018 , 32, 2224-2233	4.1	16
47	Obtaining high crystalline ball milled H-Y zeolite particles with carbon nanostructures as a damping material. <i>Microporous and Mesoporous Materials</i> , 2019 , 273, 19-25	5.3	16
46	Optimum loading level of nanoclay in PLA nanocomposites: Impact on the mechanical properties and glass transition temperature. <i>Journal of Thermoplastic Composite Materials</i> , 2014 , 27, 1461-1478	1.9	16
45	Enzymatic hydrolysis of cellulose and the use of TiO ₂ nanoparticles to open up the cellulose structure. <i>Biomass and Bioenergy</i> , 2011 , 35, 3970-3975	5.3	16
44	Enhanced performance of direct contact membrane distillation via selected electrothermal heating of membrane surface. <i>Journal of Membrane Science</i> , 2020 , 610, 118224	9.6	15
43	Insight into ball milling for size reduction and nanoparticles production of H-Y zeolite. <i>Materials Chemistry and Physics</i> , 2018 , 220, 322-330	4.4	15
42	Ternary polymer electrolyte with enhanced ionic conductivity and thermo-mechanical properties for lithium-ion batteries. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 2964-2970	6.7	14
41	Flexible carbon nanostructures with electrospun nickel oxide as a lithium-ion battery anode. <i>Ionics</i> , 2015 , 21, 2755-2762	2.7	14
40	Networked cellulose entrapped and reinforced PEO-based solid polymer electrolyte for moderate temperature applications. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 2998-3006	2.9	14
39	Thermal efficiency enhancement of the direct contact membrane distillation: Conductive layer integration and geometrical undulation. <i>Applied Energy</i> , 2018 , 227, 7-17	10.7	13
38	Nanoscale Thermal Analysis of Multiphase Polymer Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 8849-8856	3.8	13
37	Electrospun copper oxide nanoparticles as an efficient heterogeneous catalyst for N-arylation of indole. <i>Tetrahedron Letters</i> , 2014 , 55, 5973-5975	2	12
36	Electro-ceramic self-cleaning membranes for biofouling control and prevention in water treatment. <i>Chemical Engineering Journal</i> , 2021 , 415, 128395	14.7	12
35	Novel technique for fabrication of electrospun membranes with high hydrophobicity retention. <i>Desalination</i> , 2018 , 436, 98-106	10.3	11

34	Facile Synthesis of Copper Oxide Nanoparticles via Electrospinning. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-7	3.2	10
33	Nanosopic and Macro-Porous Carbon Nano-foam Electrodes with Improved Mass Transport for Vanadium Redox Flow Batteries. <i>Scientific Reports</i> , 2019 , 9, 17655	4.9	10
32	Superhydrophilic and underwater superoleophobic nano zeolite membranes for efficient oil-in-water nanoemulsion separation. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101802	6.7	10
31	Periodic electrolysis technique for in situ fouling control and removal with low-pressure membrane filtration. <i>Desalination</i> , 2018 , 433, 10-24	10.3	9
30	Sulfated Cellulose/Polyvinyl Alcohol Composites as Proton Conducting Electrolyte for Capacitors. <i>Energy Procedia</i> , 2015 , 75, 1869-1874	2.3	7
29	Cellulose/PEO blends with enhanced water absorption and retention functionality. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 2121-2127	2.9	7
28	Theoretical and experimental study of direct contact membrane distillation. <i>Desalination and Water Treatment</i> , 2016 , 57, 15660-15675		7
27	Electrochemical precipitation to reduce waste brine salinity. <i>Desalination</i> , 2021 , 498, 114796	10.3	7
26	Hierarchical underwater oleophobic electro-ceramic/carbon nanostructure membranes for highly efficient oil-in-water separation. <i>Separation and Purification Technology</i> , 2021 , 275, 119241	8.3	7
25	Electrically conductive membranes for contemporaneous dye rejection and degradation. <i>Chemical Engineering Journal</i> , 2022 , 428, 131184	14.7	7
24	Refinery processed water treatment via the low energy Direct Contact Membrane Distillation (DCMD). <i>Oil and Gas Science and Technology</i> , 2019 , 74, 3	1.9	6
23	Microcrystalline cellulose powder tableting via networked cellulose-based gel material. <i>Powder Technology</i> , 2012 , 217, 16-20	5.2	6
22	Low Energy Membrane Distillation: A Numerical Study on The Role of Conductive Spacers. <i>Energy Procedia</i> , 2017 , 142, 4056-4063	2.3	6
21	Nanocrystalline NiWO ₄ -WO ₃ -WO _{2.9} Composite Strings: Fabrication, Characterization and their Electrocatalytic Performance for Hydrogen Evolution Reaction. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020 , 51, 1264-1274	2.3	6
20	Design and performance evaluation of a portable hybrid desalination unit using direct contact membrane distillation in dual configuration. <i>Energy Procedia</i> , 2019 , 158, 904-910	2.3	5
19	Catalytic Cracking of n-Hexadecane Using Carbon Nanostructures/Nano-Zeolite-Y Composite Catalyst. <i>Catalysts</i> , 2020 , 10, 1385	4	5
18	Photocatalytic activity of an electrophoretically deposited composite titanium dioxide membrane using carbon cloth as a conducting substrate. <i>RSC Advances</i> , 2016 , 6, 64219-64227	3.7	5
17	Low Energy Direct Contact Membrane Desalination: Conjugated Heat and High Fidelity Flow Simulation. <i>Energy Procedia</i> , 2015 , 75, 1722-1727	2.3	5

16	Selective electrochemical separation and recovery of calcium and magnesium from brine. <i>Separation and Purification Technology</i> , 2021 , 264, 118416	8.3	5
15	Carbon nanostructures modified LiFePO ₄ cathodes for lithium ion battery applications: optimized porosity and composition. <i>Materials Research Express</i> , 2016 , 3, 125008	1.7	5
14	Electrospun nickel oxide nanofibers: Microstructure and surface evolution. <i>Applied Surface Science</i> , 2015 , 357, 1333-1342	6.7	4
13	Electrospun copper oxide nanofibers as infrared photodetectors. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 118, 217-224	2.6	4
12	Nanomanifestations of Cellulose: Applications for Biodegradable Composites 2015 , 229-248		3
11	Direct contact membrane distillation: the role of membrane porosity100, 258-267		3
10	Enhancing DCMD vapor flux of PVDF-HFP membrane with hydrophilic silica fibers. <i>Separation and Purification Technology</i> , 2021 , 263, 118361	8.3	3
9	Numerical simulation and evaluation of spacer-filled direct contact membrane distillation module. <i>Applied Water Science</i> , 2020 , 10,	5	2
8	Evaluation of Thermal Efficiency of Membrane Distillation under Conductive Layer Integration. <i>Energy Procedia</i> , 2017 , 105, 4935-4942	2.3	2
7	Numerical simulation of membrane desalination in a conjugated heat transfer configuration: Role of spacers 2014 ,		2
6	Thermoelectric heating and cooling for efficient membrane distillation. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101540	5.6	2
5	Titanium coating on ultrafiltration inorganic membranes for fouling control. <i>Separation and Purification Technology</i> , 2021 , 119997	8.3	1
4	Intermittent direct joule heating of membrane surface for seawater desalination by air gap membrane distillation. <i>Journal of Membrane Science</i> , 2022 , 648, 120390	9.6	1
3	Shifting to transparent/hazy properties: The case of alginate/network cellulose all-polysaccharide composite films.. <i>Macromolecular Rapid Communications</i> , 2022 , e2200172	4.8	1
2	3D printed electrically conductive interdigitated spacer on ultrafiltration membrane for electrolytic cleaning and chlorination. <i>Journal of Applied Polymer Science</i> ,52292	2.9	0
1	Preparation of Biodegradable Poly(lactic Acid) Electrospun Membrane with Decreased Pore Size by Post Heat Treatment. <i>Key Engineering Materials</i> , 2013 , 594-595, 260-269	0.4	