

Mohammad A Al-Ghouti

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7153901/mohammad-a-al-ghouti-publications-by-citations.pdf>

Version: 2024-04-25

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.

150
papers

4,786
citations

33
h-index

66
g-index

158
ext. papers

6,256
ext. citations

6.7
avg, IF

6.83
L-index

#	Paper	IF	Citations
150	Guidelines for the use and interpretation of adsorption isotherm models: A review. <i>Journal of Hazardous Materials</i> , 2020 , 393, 122383	12.8	543
149	The removal of dyes from textile wastewater: a study of the physical characteristics and adsorption mechanisms of diatomaceous earth. <i>Journal of Environmental Management</i> , 2003 , 69, 229-38	7.9	440
148	Thermodynamic behaviour and the effect of temperature on the removal of dyes from aqueous solution using modified diatomite: a kinetic study. <i>Journal of Colloid and Interface Science</i> , 2005 , 287, 6-13	9.3	239
147	Effect of OH and silanol groups in the removal of dyes from aqueous solution using diatomite. <i>Water Research</i> , 2005 , 39, 922-32	12.5	209
146	Adsorption behaviour of methylene blue onto Jordanian diatomite: a kinetic study. <i>Journal of Hazardous Materials</i> , 2009 , 165, 589-98	12.8	202
145	Produced water characteristics, treatment and reuse: A review. <i>Journal of Water Process Engineering</i> , 2019 , 28, 222-239	6.7	198
144	Adsorption mechanisms of removing heavy metals and dyes from aqueous solution using date pits solid adsorbent. <i>Journal of Hazardous Materials</i> , 2010 , 176, 510-20	12.8	185
143	Uptake of Reactive Black 5 by pumice and walnut activated carbon: Chemistry and adsorption mechanisms. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 2939-2947	6.3	116
142	Removal of pesticides from water and wastewater: Chemical, physical and biological treatment approaches. <i>Environmental Technology and Innovation</i> , 2020 , 19, 101026	7	113
141	Microplastics in coastal environments of the Arabian Gulf. <i>Marine Pollution Bulletin</i> , 2017 , 124, 181-188	6.7	101
140	Kinetics and thermodynamics of enhanced adsorption of the dye AR 18 using activated carbons prepared from walnut and poplar woods. <i>Journal of Molecular Liquids</i> , 2015 , 208, 99-105	6	96
139	Optimizing the removal of organophosphorus pesticide malathion from water using multi-walled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2017 , 310, 22-32	14.7	88
138	The assessment of cadmium, chromium, copper, and nickel tolerance and bioaccumulation by shrub plant <i>Tetraena qataranse</i> . <i>Scientific Reports</i> , 2019 , 9, 5658	4.9	80
137	High-performance removal of toxic phenol by single-walled and multi-walled carbon nanotubes: Kinetics, adsorption, mechanism and optimization studies. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 35, 63-74	6.3	79
136	Virgin and recycled engine oil differentiation: a spectroscopic study. <i>Journal of Environmental Management</i> , 2009 , 90, 187-95	7.9	67
135	Mechanistic understanding of the adsorption and thermodynamic aspects of cationic methylene blue dye onto cellulosic olive stones biomass from wastewater. <i>Scientific Reports</i> , 2020 , 10, 15928	4.9	66
134	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

133	Simultaneous determination of pesticides at trace levels in water using multiwalled carbon nanotubes as solid-phase extractant and multivariate calibration. <i>Journal of Hazardous Materials</i> , 2009 , 169, 128-35	12.8	60
132	Microcolumn studies of dye adsorption onto manganese oxides modified diatomite. <i>Journal of Hazardous Materials</i> , 2007 , 146, 316-27	12.8	58
131	Solid-phase extraction and simultaneous determination of trace amounts of sulphonated and azo sulphonated dyes using microemulsion-modified-zeolite and multivariate calibration. <i>Talanta</i> , 2008 , 75, 904-15	6.2	56
130	Determination of motor gasoline adulteration using FTIR spectroscopy and multivariate calibration. <i>Talanta</i> , 2008 , 76, 1105-12	6.2	56
129	Mechanisms and chemistry of dye adsorption on manganese oxides-modified diatomite. <i>Journal of Environmental Management</i> , 2009 , 90, 3520-7	7.9	52
128	Adsorptive removal of mercury from water by adsorbents derived from date pits. <i>Scientific Reports</i> , 2019 , 9, 15327	4.9	52
127	Disinfection by-products of chlorine dioxide (chlorite, chlorate, and trihalomethanes): Occurrence in drinking water in Qatar. <i>Chemosphere</i> , 2016 , 164, 649-656	8.4	49
126	Flow injection potentiometric stripping analysis for study of adsorption of heavy metal ions onto modified diatomite. <i>Chemical Engineering Journal</i> , 2004 , 104, 83-91	14.7	48
125	Conventional and Upcoming Sulfur-Cleaning Technologies for Petroleum Fuel: A Review. <i>Energy Technology</i> , 2016 , 4, 679-699	3.5	47
124	Photocatalytic disinfection of Escherichia coli using TiO ₂ P25 and Cu-doped TiO ₂ . <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 28, 369-376	6.3	45
123	New adsorbents based on microemulsion modified diatomite and activated carbon for removing organic and inorganic pollutants from waste lubricants. <i>Chemical Engineering Journal</i> , 2011 , 173, 115-128	14.7	42
122	Removal of pharmaceutical and personal care products (PPCPs) pollutants from water by novel TiO ₂ /Coconut Shell Powder (TCNSP) composite. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 979-987	6.3	41
121	Extraction and separation of vanadium and nickel from fly ash produced in heavy fuel power plants. <i>Chemical Engineering Journal</i> , 2011 , 173, 191-197	14.7	41
120	Optimizing textile dye removal by activated carbon prepared from olive stones. <i>Environmental Technology and Innovation</i> , 2019 , 16, 100488	7	37
119	Studying competitive sorption behavior of methylene blue and malachite green using multivariate calibration. <i>Chemical Engineering Journal</i> , 2014 , 240, 554-564	14.7	37
118	Application of chemometrics and FTIR for determination of viscosity index and base number of motor oils. <i>Talanta</i> , 2010 , 81, 1096-101	6.2	37
117	Recent advances and applications of municipal solid wastes bottom and fly ashes: Insights into sustainable management and conservation of resources. <i>Environmental Technology and Innovation</i> , 2021 , 21, 101267	7	33
116	Enhanced Dye Adsorption by Microemulsion-Modified Calcined Diatomite (E-CD). <i>Adsorption</i> , 2005 , 11, 547-559	2.6	32

115	Adsorptive Removal of Arsenic and Mercury from Aqueous Solutions by Eucalyptus Leaves. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	31
114	Characteristics of olive mill solid residue and its application in remediation of Pb ²⁺ , Cu ²⁺ and Ni ²⁺ from aqueous solution: Mechanistic study. <i>Chemical Engineering Journal</i> , 2014 , 251, 329-336	14.7	30
113	A solid-phase extractant based on microemulsion modified date pits for toxic pollutants. <i>Journal of Environmental Management</i> , 2013 , 130, 80-9	7.9	27
112	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
111	Application of eggshell wastes for boron remediation from water. <i>Journal of Molecular Liquids</i> , 2018 , 256, 599-610	6	26
110	Characterization and utilization of fly ash of heavy fuel oil generated in power stations. <i>Fuel Processing Technology</i> , 2014 , 123, 41-46	7.2	26
109	Evaluating the effect of antiscalants on membrane biofouling using FTIR and multivariate analysis. <i>Biofouling</i> , 2019 , 35, 1-14	3.3	25
108	Removal of boron from water using adsorbents derived from waste tire rubber. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 102948	6.8	24
107	Visible light-driven metal-oxide photocatalytic CO ₂ conversion. <i>International Journal of Energy Research</i> , 2015 , 39, 1142-1152	4.5	23
106	An overview of brine management: Emerging desalination technologies, life cycle assessment, and metal recovery methodologies. <i>Journal of Environmental Management</i> , 2021 , 288, 112358	7.9	23
105	Eggshell membrane as a novel bio sorbent for remediation of boron from desalinated water. <i>Journal of Environmental Management</i> , 2018 , 207, 405-416	7.9	23
104	Mechanistic insights into the remediation of bromide ions from desalinated water using roasted date pits. <i>Chemical Engineering Journal</i> , 2017 , 308, 463-475	14.7	22
103	Functionalization of reverse osmosis membrane with graphene oxide and polyacrylic acid to control biofouling and mineral scaling. <i>Science of the Total Environment</i> , 2020 , 736, 139500	10.2	22
102	Source identification of beached oil at Al Zubarah, Northwestern Qatar. <i>Journal of Petroleum Science and Engineering</i> , 2017 , 149, 107-113	4.4	21
101	Novel bioadsorbents based on date pits for organophosphorus pesticide remediation from water. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103593	6.8	21
100	Approaches to achieve sustainable use and management of groundwater resources in Qatar: A review. <i>Groundwater for Sustainable Development</i> , 2020 , 11, 100367	6	20
99	Preconcentration and determination of high leachable pesticides residues in water using solid-phase extraction coupled with high-performance liquid chromatography. <i>International Journal of Environmental Analytical Chemistry</i> , 2008 , 88, 487-498	1.8	20
98	Selective removal of dibenzothiophene from commercial diesel using manganese dioxide-modified activated carbon: a kinetic study. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 98-105	2.6	19

97	Determination of Frying Quality of Vegetable Oils used for Preparing Falafel using Infrared Spectroscopy and Multivariate Calibration. <i>Food Analytical Methods</i> , 2011 , 4, 540-549	3.4	18
96	Characteristics of organosulphur compounds adsorption onto Jordanian zeolitic tuff from diesel fuel. <i>Journal of Hazardous Materials</i> , 2010 , 182, 97-107	12.8	18
95	Determination of hydrogen content, gross heat of combustion, and net heat of combustion of diesel fuel using FTIR spectroscopy and multivariate calibration. <i>Fuel</i> , 2010 , 89, 193-201	7.1	18
94	Evaluation of pesticide residues of organochlorine in vegetables and fruits in Qatar: statistical analysis. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 198	3.1	17
93	Removal of Carbamazepine from Water by a Novel TiO-Coconut Shell Powder/UV Process: Composite Preparation and Photocatalytic Activity. <i>Environmental Engineering Science</i> , 2013 , 30, 515-526 ²		17
92	The application of iron coated activated alumina, ferric oxihydroxide and granular activated carbon in removing humic substances from water and wastewater: Column studies. <i>Chemical Engineering Journal</i> , 2010 , 161, 114-121	14.7	17
91	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
90	Characterization of diethyl ether adsorption on activated carbon using a novel adsorption refrigerator. <i>Chemical Engineering Journal</i> , 2010 , 162, 234-241	14.7	16
89	Minimisation of organosulphur compounds by activated carbon from commercial diesel fuel: Mechanistic study. <i>Chemical Engineering Journal</i> , 2010 , 162, 669-676	14.7	16
88	Water reuse: Brackish water desalination using Prosopis juliflora. <i>Environmental Technology and Innovation</i> , 2020 , 17, 100614	7	16
87	Electrospun Al ₂ O ₃ hydrophobic functionalized membranes for heavy metal recovery using direct contact membrane distillation. <i>International Journal of Energy Research</i> , 2021 , 45, 8151-8167	4.5	16
86	Detoxification of mercury pollutant leached from spent fluorescent lamps using bacterial strains. <i>Waste Management</i> , 2016 , 49, 238-244	8.6	15
85	A simple and accurate analytical method for determination of three commercial dyes in different water systems using partial least squares regression. <i>Water Science and Technology</i> , 2012 , 66, 1647-55	2.2	15
84	Functionalization of reverse osmosis membrane with graphene oxide to reduce both membrane scaling and biofouling. <i>Carbon</i> , 2020 , 166, 374-387	10.4	15
83	Phytoremediation: Halophytes as Promising Heavy Metal Hyperaccumulators 2018 ,		15
82	A MALDI-TOF study of bio-remediation in highly weathered oil contaminated soils. <i>Journal of Petroleum Science and Engineering</i> , 2018 , 168, 569-576	4.4	14
81	P. putida as biosorbent for the remediation of cobalt and phenol from industrial waste wastewaters. <i>Environmental Technology and Innovation</i> , 2020 , 20, 101148	7	14
80	Adsorption and recovery of lithium ions from groundwater using date pits impregnated with cellulose nanocrystals and ionic liquid. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126657	12.8	14

79	Vertical distribution and radiological risk assessment of Cs and natural radionuclides in soil samples. <i>Scientific Reports</i> , 2019 , 9, 12196	4.9	13
78	Identification and overcome of limitations of weathered oil hydrocarbons bioremediation by an adapted <i>Bacillus sorensis</i> strain. <i>Journal of Environmental Management</i> , 2019 , 250, 109455	7.9	13
77	Lead (Pb) bioaccumulation and antioxidative responses in <i>Tetraena qataranse</i> . <i>Scientific Reports</i> , 2020 , 10, 17070	4.9	13
76	Hydrogeochemical characterization and quality evaluation of groundwater suitability for domestic and agricultural uses in the state of Qatar. <i>Groundwater for Sustainable Development</i> , 2020 , 11, 100467	6	13
75	An integrated approach for produced water treatment using microemulsions modified activated carbon. <i>Journal of Water Process Engineering</i> , 2019 , 31, 100830	6.7	11
74	Influence of diesel acidification on dibenzothiophene removal: A new desulfurization practice. <i>Separation and Purification Technology</i> , 2015 , 139, 1-4	8.3	11
73	Removal of toxic pollutants from produced water by phytoremediation: Applications and mechanistic study. <i>Journal of Water Process Engineering</i> , 2019 , 32, 100990	6.7	11
72	Potential of mercury-tolerant bacteria for bio-uptake of mercury leached from discarded fluorescent lamps. <i>Journal of Environmental Management</i> , 2019 , 237, 217-227	7.9	10
71	Manganese-Loaded Activated Carbon for the Removal of Organosulfur Compounds from High-Sulfur Diesel Fuels. <i>Energy Technology</i> , 2014 , 2, 802-810	3.5	10
70	Multivariate analysis for FTIR in understanding treatment of used cooking oil using activated carbon prepared from olive stone. <i>PLoS ONE</i> , 2020 , 15, e0232997	3.7	10
69	Metal distribution in marine sediment along the Doha Bay, Qatar. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 130	3.1	9
68	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
67	Activation of kaolin with minimum solvent consumption by microwave heating. <i>Clay Minerals</i> , 2014 , 49, 667-681	1.3	9
66	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
65	Insights into the remediation characterization of modified bentonite in minimizing organosulphur compounds from diesel fuel. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 28, 282-293	6.3	8
64	An updated review on boron removal from water through adsorption processes. <i>Emergent Materials</i> , ¹	3.5	8
63	Brine management strategies, technologies, and recovery using adsorption processes. <i>Environmental Technology and Innovation</i> , 2021 , 22, 101541	7	8
62	Removal of Toxic Elements and Microbial Contaminants from Groundwater Using Low-Cost Treatment Options. <i>Current Pollution Reports</i> , 2021 , 7, 300-324	7.6	8

61	Ionic liquids application for wastewater treatment and biofuel production: A mini review. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116421	6	8
60	Potential application of microalgae in produced water treatment135, 47-58		7
59	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	8.2	7
58	Determination of aflatoxins in coffee by means of ultra-high performance liquid chromatography-fluorescence detector and fungi isolation. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 1-16	1.8	7
57	Adsorptive batch and biological treatments of produced water: Recent progresses, challenges, and potentials. <i>Journal of Environmental Management</i> , 2021 , 290, 112527	7.9	7
56	Investigating the microorganisms-calcium sulfate interaction in reverse osmosis systems using SEM-EDX technique. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103963	6.8	6
55	Utilization of nano-olive stones in environmental remediation of methylene blue from water. <i>Journal of Environmental Health Science & Engineering</i> , 2020 , 18, 63-77	2.9	6
54	Rapid assessment of the impact of microwave heating coupled with UV-C radiation on the degradation of PAHs from contaminated soil using FTIR and multivariate analysis. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 7609-7625	5.9	6
53	Potential for native hydrocarbon-degrading bacteria to remediate highly weathered oil-polluted soils in Qatar through self-purification and bioaugmentation in biopiles. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020 , 28, e00543	5.3	6
52	A novel desulfurization practice based on diesel acidification prior to activated carbon adsorption. <i>Korean Journal of Chemical Engineering</i> , 2015 , 32, 685-693	2.8	5
51	Recent Progress on Nanomaterial-Based Membranes for Water Treatment.. <i>Membranes</i> , 2021 , 11,	3.8	5
50	Smart Synthesis of Trimethyl Ethoxysilane (TMS) Functionalized Core-Shell Magnetic Nanosorbents FeO@SiO: Process Optimization and Application for Extraction of Pesticides. <i>Molecules</i> , 2020 , 25,	4.8	5
49	Investigating chlorophyll and nitrogen levels of mangroves at Al-Khor, Qatar: an integrated chemical analysis and remote sensing approach. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 268	3.1	5
48	Mechanistic and adsorption equilibrium studies of dibenzothiophene-rich-diesel on MnO ₂ -loaded-activated carbon: Surface characterization. <i>Environmental Progress and Sustainable Energy</i> , 2017 , 36, 903-913	2.5	4
47	Evaluating the invasive plant, <i>Prosopis juliflora</i> in the two initial growth stages as a potential candidate for heavy metal phytostabilization in metalliferous soil. <i>Environmental Pollutants and Bioavailability</i> , 2019 , 31, 145-155	2.8	4
46	Impact of temperature and storage time on the migration of antimony from polyethylene terephthalate (PET) containers into bottled water in Qatar. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 631	3.1	4
45	Ecological and agriculture impacts of bakery yeast wastewater use on weed communities and crops in an arid environment. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 14957-14969	5.1	4
44	Insight into the extraction and characterization of cellulose nanocrystals from date pits. <i>Arabian Journal of Chemistry</i> , 2022 , 15, 103650	5.9	4

43	Application of MALDI-TOF MS for identification of environmental bacteria: A review.. <i>Journal of Environmental Management</i> , 2021 , 305, 114359	7.9	4
42	Effects of soaking, acidity and temperature on cadmium and lead removal from rice. <i>Food Chemistry</i> , 2020 , 310, 125591	8.5	4
41	Environmental impact of utilization of "produced water" from oil and gas operations in turfgrass systems. <i>Scientific Reports</i> , 2020 , 10, 15051	4.9	4
40	Interaction of seawater microorganisms with scalants and antiscalants in reverse osmosis systems. <i>Desalination</i> , 2020 , 487, 114480	10.3	4
39	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
38	Mercury Toxicity 2018 , 248-267		3
37	Thermodynamics, isotherms, and mechanisms studies of lithium recovery from seawater desalination reverse osmosis brine using roasted and ferrocyanide modified date pits. <i>Environmental Technology and Innovation</i> , 2021 , 25, 102148	7	3
36	Novel insights into the nanoadsorption mechanisms of crystal violet using nano-hazelnut shell from aqueous solution. <i>Journal of Water Process Engineering</i> , 2021 , 44, 102354	6.7	3
35	A novel method for metals extraction from municipal solid waste using a microwave-assisted acid extraction. <i>Journal of Cleaner Production</i> , 2021 , 287, 125039	10.3	3
34	Development of industrially viable geopolymers from treated petroleum fly ash. <i>Journal of Cleaner Production</i> , 2021 , 280, 124808	10.3	3
33	Novel composite materials of modified roasted date pits using ferrocyanides for the recovery of lithium ions from seawater reverse osmosis brine. <i>Scientific Reports</i> , 2021 , 11, 18896	4.9	3
32	Evaluation by MALDI-TOF MS and PCA of the diversity of biosurfactants and their producing bacteria, as adaption to weathered oil components. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2021 , 31, e00660	5.3	3
31	DPSIR framework and sustainable approaches of brine management from seawater desalination plants in Qatar. <i>Journal of Cleaner Production</i> , 2021 , 319, 128485	10.3	3
30	Recent Developments and Advancements in Graphene-Based Technologies for Oil Spill Cleanup and Oil-Water Separation Processes.. <i>Nanomaterials</i> , 2021 , 12,	5.4	3
29	Quantification of Melamine in Milk and Dairy Products by Liquid Chromatography after a Simple Sample Clean-Up Procedure. <i>Journal of Food Processing and Preservation</i> , 2017 , 41, e12867	2.1	2
28	Multivariate analysis of competitive adsorption of food dyes by activated pine wood. <i>Desalination and Water Treatment</i> , 2016 , 1-12		2
27	From Waste to Watts: Updates on Key Applications of Microbial Fuel Cells in Wastewater Treatment and Energy Production. <i>Sustainability</i> , 2022 , 14, 955	3.6	2
26	Application of geopolymers synthesized from incinerated municipal solid waste ashes for the removal of cationic dye from water. <i>PLoS ONE</i> , 2020 , 15, e0239095	3.7	2

25	A better understanding of seawater reverse osmosis brine: Characterizations, uses, and energy requirements. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021 , 4, 100165	7.5	2
24	Study of bacterial interactions in reconstituted hydrocarbon-degrading bacterial consortia from a local collection, for the bioremediation of weathered oily-soils. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2021 , 29, e00598	5.3	2
23	Date pits based nanomaterials for thermal insulation applications-Towards energy efficient buildings in Qatar. <i>PLoS ONE</i> , 2021 , 16, e0247608	3.7	2
22	Improving properties of thin film nanocomposite membrane through polyethyleneimine intermediate layer: A parametric study. <i>Separation and Purification Technology</i> , 2021 , 274, 119035	8.3	2
21	Functionalized cellulose nanocrystals as a novel adsorption material for removal of boron from water. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021 , 4, 100121	7.5	2
20	Kinetics of Humics Removal from Water and Wastewater Using Granular Activated Carbon, Iron-Coated Activated Alumina, and Beta Ferric Oxide. <i>Environmental Engineering Science</i> , 2010 , 27, 387-395	2	1
19	Physiochemical characterization and systematic investigation of metals extraction from fly and bottom ashes produced from municipal solid waste. <i>PLoS ONE</i> , 2020 , 15, e0239412	3.7	1
18	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
17	Occurrence and removal characteristics of phthalate esters from bottled drinking water using silver modified roasted date pits. <i>Journal of Environmental Health Science & Engineering</i> , 2021 , 19, 733-751	2.9	1
16	Comparison GIS-Based interpolation methods for mapping groundwater quality in the state of Qatar. <i>Groundwater for Sustainable Development</i> , 2021 , 13, 100573	6	1
15	Phytoremediation of heavy metals using Qatari flora. <i>Qscience Proceedings</i> , 2016 , 2016, 37		1
14	Environmental Impacts of Using Municipal Biosolids on Soil, Plant and Groundwater Qualities. <i>Sustainability</i> , 2021 , 13, 8368	3.6	1
13	Material flow analysis of plastic waste in the gulf co-operation countries (GCC) and the Arabian gulf: Focusing on Qatar.. <i>Science of the Total Environment</i> , 2022 , 830, 154745	10.2	1
12	Investigating the simultaneous removal of hydrocarbons and heavy metals by highly adapted Bacillus and Pseudomonas strains. <i>Environmental Technology and Innovation</i> , 2022 , 27, 102513	7	1
11	Development of a novel tailored ion-imprinted polymer for recovery of lithium and strontium from reverse osmosis concentrated brine. <i>Separation and Purification Technology</i> , 2022 , 121320	8.3	1
10	Use of nanoadvanced activated carbon, alumina and ferric adsorbents for humics removal from water: isotherm study. <i>Emergent Materials</i> , 2020 , 3, 841-856	3.5	0
9	Insights into the removal of lithium and molybdenum from groundwater by adsorption onto activated carbon, bentonite, roasted date pits, and modified-roasted date pits. <i>Bioresource Technology Reports</i> , 2022 , 101045	4.1	0
8	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

7	Investigating the Quality and Efficiency of Biosolid Produced in Qatar as a Fertilizer in Tomato Production. <i>Agronomy</i> , 2021 , 11, 2552	3.6	○
6	Recent advances in the treatment of PAHs in the environment: application of nanomaterial-based technologies. <i>Arabian Journal of Chemistry</i> , 2022 , 103918	5.9	○
5	Characterization and assessment of process water from oil and gas production: A case study of process wastewater in Qatar. <i>Case Studies in Chemical and Environmental Engineering</i> , 2022 , 100210	7.5	○
4	Sustainable and long-term management of municipal solid waste: A review. <i>Bioresource Technology Reports</i> , 2022 , 18, 101067	4.1	○
3	Development and application of bio-waste-derived adsorbents for the removal of boron from groundwater. <i>Groundwater for Sustainable Development</i> , 2022 , 18, 100793	6	○
2	The integrated/hybrid membrane systems for membrane desalination 2021 , 145-170		
1	Reverse osmosis membrane fouling and its physical, chemical, and biological characterization 2022 , 533-573		