

Mohammad A Al-Ghouti

List of Publications by Year in descending order

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Version: 2024-02-01

157
papers

8,188
citations

76196

40
h-index

54797

84
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158
all docs

158
docs citations

158
times ranked

7921
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of adsorption isotherm models: A review. <i>Journal of Hazardous Materials</i> , 2020, 393, 122383.	6.5	1,455
2	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, 229-238.	3.8	527
3	Produced water characteristics, treatment and reuse: A review. <i>Journal of Water Process Engineering</i> , 2019, 28, 222-239.	2.6	387
4	Removal of pesticides from water and wastewater: Chemical, physical and biological treatment approaches. <i>Environmental Technology and Innovation</i> , 2020, 19, 101026.	3.0	316
5	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.	5.0	279
6	Effect of OH and silanol groups in the removal of dyes from aqueous solution using diatomite. <i>Water Research</i> , 2005, 39, 922-932.	5.3	250
7	Adsorption behaviour of methylene blue onto Jordanian diatomite: A kinetic study. <i>Journal of Hazardous Materials</i> , 2009, 165, 589-598.	6.5	238
8	Adsorption mechanisms of removing heavy metals and dyes from aqueous solution using date pits solid adsorbent. <i>Journal of Hazardous Materials</i> , 2010, 176, 510-520.	6.5	220
9	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.	1.6	198
10	Microplastics in coastal environments of the Arabian Gulf. <i>Marine Pollution Bulletin</i> , 2017, 124, 181-188.	2.3	172
11	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.	1.6	171
12	Synthesis of graphene oxides particle of high oxidation degree using a modified Hummers method. <i>Ceramics International</i> , 2020, 46, 23997-24007.	2.3	143
13	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.	2.9	142
14	Optimizing the removal of organophosphorus pesticide malathion from water using multi-walled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2017, 310, 22-32.	6.6	124
15	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.	2.3	120
16	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.	2.9	90
17	Adsorptive removal of mercury from water by adsorbents derived from date pits. <i>Scientific Reports</i> , 2019, 9, 15327.	1.6	88
18	Virgin and recycled engine oil differentiation: A spectroscopic study. <i>Journal of Environmental Management</i> , 2009, 90, 187-195.	3.8	83

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19	Determination of motor gasoline adulteration using FTIR spectroscopy and multivariate calibration. <i>Talanta</i> , 2008, 76, 1105-1112.	2.9	79
20	Disinfection by-products of chlorine dioxide (chlorite, chlorate, and trihalomethanes): Occurrence in drinking water in Qatar. <i>Chemosphere</i> , 2016, 164, 649-656.	4.2	78
21	An overview of brine management: Emerging desalination technologies, life cycle assessment, and metal recovery methodologies. <i>Journal of Environmental Management</i> , 2021, 288, 112358.	3.8	71
22	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.	3.0	68
23	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, 128-135.	6.5	66
24	Microcolumn studies of dye adsorption onto manganese oxides modified diatomite. <i>Journal of Hazardous Materials</i> , 2007, 146, 316-327.	6.5	62
25	Optimizing textile dye removal by activated carbon prepared from olive stones. <i>Environmental Technology and Innovation</i> , 2019, 16, 100488.	3.0	62
26	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, 904-915.	2.9	59
27	Photocatalytic disinfection of <i>Escherichia coli</i> using TiO ₂ P25 and Cu-doped TiO ₂ . <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 28, 369-376.	2.9	59
28	Mechanisms and chemistry of dye adsorption on manganese oxides-modified diatomite. <i>Journal of Environmental Management</i> , 2009, 90, 3520-3527.	3.8	58
29	Conventional and Upcoming Sulfur Cleaning Technologies for Petroleum Fuel: A Review. <i>Energy Technology</i> , 2016, 4, 679-699.	1.8	56
30	Application of MALDI-TOF MS for identification of environmental bacteria: A review. <i>Journal of Environmental Management</i> , 2022, 305, 114359.	3.8	56
31	Lead (Pb) bioaccumulation and antioxidative responses in <i>Tetraena qataranse</i> . <i>Scientific Reports</i> , 2020, 10, 17070.	1.6	55
32	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.	3.9	54
33	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.	6.6	53
34	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.	6.6	53
35	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.	2.9	51
36	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.	6.6	47

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37	Studying competitive sorption behavior of methylene blue and malachite green using multivariate calibration. <i>Chemical Engineering Journal</i> , 2014, 240, 554-564.	6.6	46
38	Removal of boron from water using adsorbents derived from waste tire rubber. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102948.	3.3	44
39	Application of eggshell wastes for boron remediation from water. <i>Journal of Molecular Liquids</i> , 2018, 256, 599-610.	2.3	43
40	Application of chemometrics and FTIR for determination of viscosity index and base number of motor oils. <i>Talanta</i> , 2010, 81, 1096-1101.	2.9	41
41	Approaches to achieve sustainable use and management of groundwater resources in Qatar: A review. <i>Groundwater for Sustainable Development</i> , 2020, 11, 100367.	2.3	41
42	An updated review on boron removal from water through adsorption processes. <i>Emergent Materials</i> , 2021, 4, 1167-1186.	3.2	41
43	Functionalization of reverse osmosis membrane with graphene oxide to reduce both membrane scaling and biofouling. <i>Carbon</i> , 2020, 166, 374-387.	5.4	40
44	Enhanced Dye Adsorption by Microemulsion-Modified Calcined Diatomite (1/4E-CD). <i>Adsorption</i> , 2005, 11, 547-559.	1.4	39
45	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.	2.3	39
46	Characterization and utilization of fly ash of heavy fuel oil generated in power stations. <i>Fuel Processing Technology</i> , 2014, 123, 41-46.	3.7	38
47	Evaluating the effect of antiscalants on membrane biofouling using FTIR and multivariate analysis. <i>Biofouling</i> , 2019, 35, 1-14.	0.8	38
48	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.	6.6	36
49	Eggshell membrane as a novel bio sorbent for remediation of boron from desalinated water. <i>Journal of Environmental Management</i> , 2018, 207, 405-416.	3.8	36
50	Water reuse: Brackish water desalination using <i>Prosopis juliflora</i> . <i>Environmental Technology and Innovation</i> , 2020, 17, 100614.	3.0	36
51	Adsorptive Removal of Arsenic and Mercury from Aqueous Solutions by Eucalyptus Leaves. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	35
52	Novel bioadsorbents based on date pits for organophosphorus pesticide remediation from water. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103593.	3.3	35
53	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.	3.9	35
54	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.	1.1	33

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55	A solid-phase extractant based on microemulsion modified date pits for toxic pollutants. <i>Journal of Environmental Management</i> , 2013, 130, 80-89.	3.8	32
56	Vertical distribution and radiological risk assessment of ¹³⁷ Cs and natural radionuclides in soil samples. <i>Scientific Reports</i> , 2019, 9, 12196.	1.6	30
57	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.	6.5	30
58	Visible light-driven metal-oxide photocatalytic CO ₂ conversion. <i>International Journal of Energy Research</i> , 2015, 39, 1142-1152.	2.2	28
59	Recent Progress on Nanomaterial-Based Membranes for Water Treatment. <i>Membranes</i> , 2021, 11, 995.	1.4	28
60	Mechanistic insights into the remediation of bromide ions from desalinated water using roasted date pits. <i>Chemical Engineering Journal</i> , 2017, 308, 463-475.	6.6	27
61	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.	3.9	27
62	Recent advances in the treatment of PAHs in the environment: Application of nanomaterial-based technologies. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103918.	2.3	27
63	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.	3.4	26
64	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.	2.2	26
65	<i>P. putida</i> as biosorbent for the remediation of cobalt and phenol from industrial waste wastewaters. <i>Environmental Technology and Innovation</i> , 2020, 20, 101148.	3.0	25
66	Evaluation of pesticide residues of organochlorine in vegetables and fruits in Qatar: statistical analysis. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 198.	1.3	24
67	Source identification of beached oil at Al Zubarah, Northwestern Qatar. <i>Journal of Petroleum Science and Engineering</i> , 2017, 149, 107-113.	2.1	24
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.	2.6	24
69	Removal of Toxic Elements and Microbial Contaminants from Groundwater Using Low-Cost Treatment Options. <i>Current Pollution Reports</i> , 2021, 7, 300-324.	3.1	23
70	Ionic liquids application for wastewater treatment and biofuel production: A mini review. <i>Journal of Molecular Liquids</i> , 2021, 337, 116421.	2.3	23
71	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.	3.0	23
72	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	22

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73	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.	1.3	22
74	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.	3.8	22
75	Brine management strategies, technologies, and recovery using adsorption processes. <i>Environmental Technology and Innovation</i> , 2021, 22, 101541.	3.0	22
76	From Waste to Watts: Updates on Key Applications of Microbial Fuel Cells in Wastewater Treatment and Energy Production. <i>Sustainability</i> , 2022, 14, 955.	1.6	22
77	Characteristics of organosulphur compounds adsorption onto Jordanian zeolitic tuff from diesel fuel. <i>Journal of Hazardous Materials</i> , 2010, 182, 97-107.	6.5	21
78	Removal of Carbamazepine from Water by a Novel TiO ₂ –Coconut Shell Powder/UV Process: Composite Preparation and Photocatalytic Activity. <i>Environmental Engineering Science</i> , 2013, 30, 515-526.	0.8	21
79	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.	1.2	21
80	DPSIR framework and sustainable approaches of brine management from seawater desalination plants in Qatar. <i>Journal of Cleaner Production</i> , 2021, 319, 128485.	4.6	21
81	Phytoremediation: Halophytes as Promising Heavy Metal Hyperaccumulators. , 0, , .		20
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.	2.1	20
83	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.	1.3	20
84	Minimisation of organosulphur compounds by activated carbon from commercial diesel fuel: Mechanistic study. <i>Chemical Engineering Journal</i> , 2010, 162, 669-676.	6.6	19
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, 1647-1655.	1.2	19
86	An integrated approach for produced water treatment using microemulsions modified activated carbon. <i>Journal of Water Process Engineering</i> , 2019, 31, 100830.	2.6	19
87	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.	2.6	19
88	Insight into the extraction and characterization of cellulose nanocrystals from date pits. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103650.	2.3	19
89	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.	6.6	18
90	Detoxification of mercury pollutant leached from spent fluorescent lamps using bacterial strains. <i>Waste Management</i> , 2016, 49, 238-244.	3.7	18

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91	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.	1.4	18
92	Adsorptive batch and biological treatments of produced water: Recent progresses, challenges, and potentials. <i>Journal of Environmental Management</i> , 2021, 290, 112527.	3.8	18
93	Sustainable and long-term management of municipal solid waste: A review. <i>Bioresource Technology Reports</i> , 2022, 18, 101067.	1.5	18
94	Characterization of diethyl ether adsorption on activated carbon using a novel adsorption refrigerator. <i>Chemical Engineering Journal</i> , 2010, 162, 234-241.	6.6	17
95	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.	1.1	17
96	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, 295, 121320.	3.9	17
97	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.	2.1	15
98	Comparison GIS-Based interpolation methods for mapping groundwater quality in the state of Qatar. <i>Groundwater for Sustainable Development</i> , 2021, 13, 100573.	2.3	15
99	Manganese-Loaded Activated Carbon for the Removal of Organosulfur Compounds from High-Sulfur Diesel Fuels. <i>Energy Technology</i> , 2014, 2, 802-810.	1.8	14
100	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.	3.8	14
101	Recent Developments and Advancements in Graphene-Based Technologies for Oil Spill Cleanup and Oil-Water Separation Processes. <i>Nanomaterials</i> , 2022, 12, 87.	1.9	14
102	Activation of kaolin with minimum solvent consumption by microwave heating. <i>Clay Minerals</i> , 2014, 49, 667-681.	0.2	13
103	Influence of diesel acidification on dibenzothiophene removal: A new desulfurization practice. <i>Separation and Purification Technology</i> , 2015, 139, 1-4.	3.9	13
104	Removal of toxic pollutants from produced water by phytoremediation: Applications and mechanistic study. <i>Journal of Water Process Engineering</i> , 2019, 32, 100990.	2.6	13
105	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.	4.6	13
106	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.	2.3	12
107	Investigating the microorganisms-calcium sulfate interaction in reverse osmosis systems using SEM-EDX technique. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103963.	3.3	12
108	Potential application of microalgae in produced water treatment. , 0, 135, 47-58.		12

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109	Metal distribution in marine sediment along the Doha Bay, Qatar. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 130.	1.3	11
110	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, 116462.	3.9	11
111	Interaction of seawater microorganisms with scalants and antiscalants in reverse osmosis systems. <i>Desalination</i> , 2020, 487, 114480.	4.0	11
112	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.	3.9	11
113	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> , 2022, 25, 102148.	3.0	11
114	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.	1.3	10
115	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> , 2022, 102, 6999-7014.	1.8	10
116	Smart Synthesis of Trimethyl Ethoxysilane (TMS) Functionalized Core-Shell Magnetic Nanosorbents Fe ₃ O ₄ @SiO ₂ : Process Optimization and Application for Extraction of Pesticides. <i>Molecules</i> , 2020, 25, 4827.	1.7	10
117	Improving properties of thin film nanocomposite membrane through polyethyleneimine intermediate layer: A parametric study. <i>Separation and Purification Technology</i> , 2021, 274, 119035.	3.9	10
118	Investigating the simultaneous removal of hydrocarbons and heavy metals by highly adapted <i>Bacillus</i> and <i>Pseudomonas</i> strains. <i>Environmental Technology and Innovation</i> , 2022, 27, 102513.	3.0	10
119	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, 6, 100210.	2.9	10
120	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.	1.6	9
121	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.	2.1	9
122	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.	2.9	9
123	New material of polyacrylic acid-modified graphene oxide composite for phenol remediation from synthetic and real wastewater. <i>Environmental Technology and Innovation</i> , 2022, 27, 102795.	3.0	9
124	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.	2.9	8
125	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.	1.3	8
126	Date pits based nanomaterials for thermal insulation applications—Towards energy efficient buildings in Qatar. <i>PLoS ONE</i> , 2021, 16, e0247608.	1.1	8

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127	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.	2.9	8
128	Copolyamide-Clay Nanotube Polymer Composite Nanofiber Membranes: Preparation, Characterization and Its Asymmetric Wettability Driven Oil/Water Emulsion Separation towards Sewage Remediation. <i>Polymers</i> , 2021, 13, 3710.	2.0	8
129	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.	1.3	7
130	Effects of soaking, acidity and temperature on cadmium and lead removal from rice. <i>Food Chemistry</i> , 2020, 310, 125591.	4.2	7
131	Environmental impact of utilization of "produced water" from oil and gas operations in turfgrass systems. <i>Scientific Reports</i> , 2020, 10, 15051.	1.6	7
132	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)</i> , 2021, 10, 100000.	1.0	7
133	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.	1.4	7
134	Development and application of bio-waste-derived adsorbents for the removal of boron from groundwater. <i>Groundwater for Sustainable Development</i> , 2022, 18, 100793.	2.3	7
135	Development of industrially viable geopolymers from treated petroleum fly ash. <i>Journal of Cleaner Production</i> , 2021, 280, 124808.	4.6	6
136	Environmental Impacts of Using Municipal Biosolids on Soil, Plant and Groundwater Qualities. <i>Sustainability</i> , 2021, 13, 8368.	1.6	6
137	Spectral and Structural Properties of High-Quality Reduced Graphene Oxide Produced via a Simple Approach Using Tetraethylenepentamine. <i>Nanomaterials</i> , 2022, 12, 1240.	1.9	6
138	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.	3.9	6
139	A novel desulfurization practice based on diesel acidification prior to activated carbon adsorption. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 685-693.	1.2	5
140	Mechanistic and adsorption equilibrium studies of dibenzothiophene-diesel on MnO ₂ -loaded activated carbon: Surface characterization. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 903-913.	1.3	5
141	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.	2.7	5
142	Multivariate analysis of competitive adsorption of food dyes by activated pine wood. <i>Desalination and Water Treatment</i> , 0, 1-12.	1.0	4
143	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.	0.9	4
144	Modified os sepiae of <i>Sepiella inermis</i> as a low cost, sustainable, bio-based adsorbent for the effective remediation of boron from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2022, 29, 71014-71032.	2.7	4

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145	Experimental measurements and modelling of viscosity and density of calcium and potassium chlorides ternary solutions. <i>Scientific Reports</i> , 2020, 10, 16312.	1.6	3
146	Use of nanoadvanced activated carbon, alumina and ferric adsorbents for humics removal from water: isotherm study. <i>Emergent Materials</i> , 2020, 3, 841-856.	3.2	3
147	Mercury Toxicity. , 2018, , 248-267.		3
148	Kinetics of Humics Removal from Water and Wastewater Using Granular Activated Carbon, Iron-Coated Activated Alumina, and Beta Ferric Oxihydroxide. <i>Environmental Engineering Science</i> , 2010, 27, 387-395.	0.8	2
149	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.	1.1	2
150	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, 18, 101045.	1.5	2
151	Investigating the Quality and Efficiency of Biosolid Produced in Qatar as a Fertilizer in Tomato Production. <i>Agronomy</i> , 2021, 11, 2552.	1.3	2
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