

Mohammad A Al-Ghouti

List of Publications by Year in Descending Order

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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.

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	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
149	Insight into the extraction and characterization of cellulose nanocrystals from date pits. <i>Arabian Journal of Chemistry</i> , 2022 , 15, 103650	5.9	4
148	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
147	Reverse osmosis membrane fouling and its physical, chemical, and biological characterization 2022 , 533-573		
146	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
145	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
144	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
143	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
142	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	0
141	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	0
140	Sustainable and long-term management of municipal solid waste: A review. <i>Bioresource Technology Reports</i> , 2022 , 18, 101067	4.1	0
139	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
138	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	0
137	Recent Progress on Nanomaterial-Based Membranes for Water Treatment.. <i>Membranes</i> , 2021 , 11,	3.8	5
136	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
135	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
134	Application of MALDI-TOF MS for identification of environmental bacteria: A review.. <i>Journal of Environmental Management</i> , 2021 , 305, 114359	7.9	4

133	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
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, Netherlands)</i> , 2021 , 29, e00598	5.3	2
131	Date pits based nanomaterials for thermal insulation applications-Towards energy efficient buildings in Qatar. <i>PLoS ONE</i> , 2021 , 16, e0247608	3.7	2
130	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
129	Brine management strategies, technologies, and recovery using adsorption processes. <i>Environmental Technology and Innovation</i> , 2021 , 22, 101541	7	8
128	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
127	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
126	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
125	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
124	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
123	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
122	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
121	Development of industrially viable geopolymers from treated petroleum fly ash. <i>Journal of Cleaner Production</i> , 2021 , 280, 124808	10.3	3
120	The integrated/hybrid membrane systems for membrane desalination 2021 , 145-170		
119	Environmental Impacts of Using Municipal Biosolids on Soil, Plant and Groundwater Qualities. <i>Sustainability</i> , 2021 , 13, 8368	3.6	1
118	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
117	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
116	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

115	Ionic liquids application for wastewater treatment and biofuel production: A mini review. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116421	6	8
114	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
113	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
112	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
111	Investigating the Quality and Efficiency of Biosolid Produced in Qatar as a Fertilizer in Tomato Production. <i>Agronomy</i> , 2021 , 11, 2552	3.6	0
110	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
109	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
108	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
107	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
106	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
105	Removal of pesticides from water and wastewater: Chemical, physical and biological treatment approaches. <i>Environmental Technology and Innovation</i> , 2020 , 19, 101026	7	113
104	Guidelines for the use and interpretation of adsorption isotherm models: A review. <i>Journal of Hazardous Materials</i> , 2020 , 393, 122383	12.8	543
103	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
102	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
101	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
100	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
99	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
98	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

97	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
96	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
95	Water reuse: Brackish water desalination using <i>Prosopis juliflora</i> . <i>Environmental Technology and Innovation</i> , 2020 , 17, 100614	7	16
94	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	8.3	7
93	Effects of soaking, acidity and temperature on cadmium and lead removal from rice. <i>Food Chemistry</i> , 2020 , 310, 125591	8.5	4
92	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
91	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
90	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
89	Lead (Pb) bioaccumulation and antioxidative responses in <i>Tetraena qataranse</i> . <i>Scientific Reports</i> , 2020 , 10, 17070	4.9	13
88	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
87	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
86	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
85	Interaction of seawater microorganisms with scalants and antiscalants in reverse osmosis systems. <i>Desalination</i> , 2020 , 487, 114480	10.3	4
84	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
83	Smart Synthesis of Trimethyl Ethoxysilane (TMS) Functionalized Core-Shell Magnetic Nanosorbents FeO@SiO ₂ : Process Optimization and Application for Extraction of Pesticides. <i>Molecules</i> , 2020 , 25,	4.8	5
82	<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	7	14
81	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
80	Vertical distribution and radiological risk assessment of Cs and natural radionuclides in soil samples. <i>Scientific Reports</i> , 2019 , 9, 12196	4.9	13

79	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
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	Evaluating the effect of antiscalants on membrane biofouling using FTIR and multivariate analysis. <i>Biofouling</i> , 2019 , 35, 1-14	3.3	25
76	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
75	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
74	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
73	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
72	Produced water characteristics, treatment and reuse: A review. <i>Journal of Water Process Engineering</i> , 2019 , 28, 222-239	6.7	198
71	Optimizing textile dye removal by activated carbon prepared from olive stones. <i>Environmental Technology and Innovation</i> , 2019 , 16, 100488	7	37
70	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
69	Adsorptive removal of mercury from water by adsorbents derived from date pits. <i>Scientific Reports</i> , 2019 , 9, 15327	4.9	52
68	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
67	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
66	Application of eggshell wastes for boron remediation from water. <i>Journal of Molecular Liquids</i> , 2018 , 256, 599-610	6	26
65	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
64	Mercury Toxicity 2018 , 248-267		3
63	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
62	Phytoremediation: Halophytes as Promising Heavy Metal Hyperaccumulators 2018 ,		15

61	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
60	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
59	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
58	Microplastics in coastal environments of the Arabian Gulf. <i>Marine Pollution Bulletin</i> , 2017 , 124, 181-188	6.7	101
57	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
56	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
55	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
54	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
53	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
52	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
51	Multivariate analysis of competitive adsorption of food dyes by activated pine wood. <i>Desalination and Water Treatment</i> , 2016 , 1-12		2
50	Conventional and Upcoming Sulfur-Cleaning Technologies for Petroleum Fuel: A Review. <i>Energy Technology</i> , 2016 , 4, 679-699	3.5	47
49	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
48	Detoxification of mercury pollutant leached from spent fluorescent lamps using bacterial strains. <i>Waste Management</i> , 2016 , 49, 238-244	8.6	15
47	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
46	Phytoremediation of heavy metals using Qatari flora. <i>Qscience Proceedings</i> , 2016 , 2016, 37		1
45	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
44	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

43	Visible light-driven metal-oxide photocatalytic CO ₂ conversion. <i>International Journal of Energy Research</i> , 2015 , 39, 1142-1152	4.5	23
42	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
41	Metal distribution in marine sediment along the Doha Bay, Qatar. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 130	3.1	9
40	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
39	Influence of diesel acidification on dibenzothiophene removal: A new desulfurization practice. <i>Separation and Purification Technology</i> , 2015 , 139, 1-4	8.3	11
38	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
37	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
36	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
35	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
34	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
33	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
32	Activation of kaolin with minimum solvent consumption by microwave heating. <i>Clay Minerals</i> , 2014 , 49, 667-681	1.3	9
31	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
30	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
29	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
28	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	2	17
27	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
26	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

25	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
24	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
23	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	2	1
22	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
21	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
20	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
19	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
18	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
17	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
16	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
15	Mechanisms and chemistry of dye adsorption on manganese oxides-modified diatomite. <i>Journal of Environmental Management</i> , 2009 , 90, 3520-7	7.9	52
14	Virgin and recycled engine oil differentiation: a spectroscopic study. <i>Journal of Environmental Management</i> , 2009 , 90, 187-95	7.9	67
13	Adsorption behaviour of methylene blue onto Jordanian diatomite: a kinetic study. <i>Journal of Hazardous Materials</i> , 2009 , 165, 589-98	12.8	202
12	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
11	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
10	Determination of motor gasoline adulteration using FTIR spectroscopy and multivariate calibration. <i>Talanta</i> , 2008 , 76, 1105-12	6.2	56
9	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
8	Microcolumn studies of dye adsorption onto manganese oxides modified diatomite. <i>Journal of Hazardous Materials</i> , 2007 , 146, 316-27	12.8	58

7	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
6	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
5	Enhanced Dye Adsorption by Microemulsion-Modified Calcined Diatomite (E-CD). <i>Adsorption</i> , 2005 , 11, 547-559	2.6	32
4	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
3	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	44 ^o
2	Potential application of microalgae in produced water treatment135, 47-58		7
1	An updated review on boron removal from water through adsorption processes. <i>Emergent Materials</i> ,1	3.5	8