

Mohamed Gamal El-Din

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.

205
papers

6,306
citations

44
h-index

71
g-index

208
ext. papers

7,495
ext. citations

8.8
avg, IF

6.54
L-index

#	Paper	IF	Citations
205	Treatment Technologies for Organics and Silica Removal in Steam-Assisted Gravity Drainage Produced Water: A Comprehensive Review. <i>Energy & Fuels</i> , 2022 , 36, 1205-1231	4.1	1
204	Remediation of surface water contaminated by pathogenic microorganisms using calcium peroxide: Matrix effect, micro-mechanisms and morphological-physiological changes.. <i>Water Research</i> , 2022 , 211, 118074	12.5	2
203	Decomplexation of Cu(II)-EDTA by synergistic activation of persulfate with alkali and CuO: Kinetics and activation mechanism.. <i>Science of the Total Environment</i> , 2022 , 817, 152793	10.2	0
202	Solar-activated zinc oxide photocatalytic treatment of real oil sands process water: Effect of treatment parameters on naphthenic acids, polyaromatic hydrocarbons and acute toxicity removal.. <i>Science of the Total Environment</i> , 2022 , 819, 153029	10.2	0
201	Combined solar activated sulfate radical-based advanced oxidation processes (SR-AOPs) and biofiltration for the remediation of dissolved organics in oil sands produced water. <i>Chemical Engineering Journal</i> , 2022 , 433, 134579	14.7	2
200	Heterotrophic nitrification and aerobic denitrification process: Promising but a long way to go in the wastewater treatment. <i>Science of the Total Environment</i> , 2022 , 805, 150212	10.2	4
199	Advanced oxidation processes for the degradation of dissolved organics in produced water: A review of process performance, degradation kinetics and pathway. <i>Chemical Engineering Journal</i> , 2022 , 429, 132492	14.7	11
198	Biochar/iron oxide composite as an efficient peroxymonosulfate catalyst for the degradation of model naphthenic acids compounds. <i>Chemical Engineering Journal</i> , 2022 , 429, 132220	14.7	3
197	Treatment of oil sands process water by the ferric citrate under visible light irradiation. <i>Chemical Engineering Journal</i> , 2022 , 429, 132419	14.7	0
196	The treatment of electroplating wastewater using an integrated approach of interior microelectrolysis and Fenton combined with recycle ferrite. <i>Chemosphere</i> , 2022 , 286, 131543	8.4	5
195	Surface Microlenses for Much More Efficient Photodegradation in Water Treatment. <i>ACS ES&T Water</i> , 2022 , 2, 644-657		0
194	Enhanced wastewater treatment by modified basalt fiber bio-carriers: Effect of etching and surface functionalization. <i>Journal of Cleaner Production</i> , 2022 , 343, 130927	10.3	0
193	O/HO and UV-C light irradiation treatment of oil sands process water.. <i>Science of the Total Environment</i> , 2022 , 154804	10.2	0
192	Establishing and Optimizing a Bacterial Consortia for Effective Biodegradation of Petroleum Contaminants: Advancing Classical Microbiology via Experimental and Mathematical Approach. <i>Water (Switzerland)</i> , 2021 , 13, 3311	3	1
191	Aerobic naphthenic acid-degrading bacteria in petroleum-coke improve oil sands process water remediation in biofilters: DNA-stable isotope probing reveals methylotrophy in Schmutzdecke. <i>Science of the Total Environment</i> , 2021 , 815, 151961	10.2	2
190	Fully-automated SPE coupled to UHPLC-MS/MS method for multiresidue analysis of 26 trace antibiotics in environmental waters: SPE optimization and method validation. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
189	Pristine and engineered biochar for the removal of contaminants co-existing in several types of industrial wastewaters: A critical review. <i>Science of the Total Environment</i> , 2021 , 151120	10.2	9

188	Treatment of high-load organic wastewater by novel basalt fiber carrier media. <i>Science of the Total Environment</i> , 2021 , 758, 143760	10.2	4
187	Adsorption of metals from oil sands process water (OSPW) under natural pH by sludge-based Biochar/Chitosan composite. <i>Water Research</i> , 2021 , 194, 116930	12.5	29
186	Coagulation-flocculation followed by catalytic ozonation processes for enhanced primary treatment during wet weather conditions. <i>Journal of Environmental Management</i> , 2021 , 283, 111975	7.9	3
185	Effects of anaerobic granular sludge towards the treatment of flowback water in an up-flow anaerobic sludge blanket bioreactor: Comparison between mesophilic and thermophilic conditions. <i>Bioresource Technology</i> , 2021 , 326, 124784	11	7
184	An enhanced disintegration using refinery spent caustic for anaerobic digestion of refinery waste activated sludge. <i>Journal of Environmental Management</i> , 2021 , 284, 112022	7.9	1
183	Advancing the treatment of primary influent and effluent wastewater during wet weather flow by single versus powdered activated carbon-catalyzed ozonation for the removal of trace organic compounds. <i>Science of the Total Environment</i> , 2021 , 770, 144679	10.2	9
182	Spent fluid catalytic cracking (FCC) catalyst enhances pyrolysis of refinery waste activated sludge. <i>Journal of Cleaner Production</i> , 2021 , 295, 126382	10.3	2
181	Application of basalt fibers in a biological contact oxidation reactor for the treatment of landfill leachate. <i>Journal of Cleaner Production</i> , 2021 , 297, 126648	10.3	3
180	Biochar heavy metal removal in aqueous solution depends on feedstock type and pyrolysis purging gas. <i>Environmental Pollution</i> , 2021 , 281, 117094	9.3	24
179	Bench to full-scale enhanced primary treatment of municipal wastewater under wet weather flow for minimized pollution load: evaluation of chemical addition and process control indicators. <i>Canadian Journal of Civil Engineering</i> , 2021 , 48, 470-481	1.3	3
178	Catalytic ozonation of naphthenic acids in the presence of carbon-based metal-free catalysts: Performance and kinetic study. <i>Catalysis Today</i> , 2021 , 361, 102-108	5.3	8
177	Degradation of cyclohexanecarboxylic acid as a model naphthenic acid by the UV/chlorine process: Kinetics and by-products identification. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123476	12.8	8
176	A critical review on the detection, occurrence, fate, toxicity, and removal of cannabinoids in the water system and the environment. <i>Environmental Pollution</i> , 2021 , 268, 115642	9.3	6
175	A burning issue: The effect of organic ultraviolet filter exposure on the behaviour and physiology of <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2021 , 750, 141707	10.2	11
174	High efficiency removal of heavy metals using tire-derived activated carbon vs commercial activated carbon: Insights into the adsorption mechanisms. <i>Chemosphere</i> , 2021 , 264, 128455	8.4	87
173	Influences of coagulation pretreatment on the characteristics of crude oil electric desalting wastewaters. <i>Chemosphere</i> , 2021 , 264, 128531	8.4	9
172	The removal of Cu(II)-EDTA chelates using green rust adsorption combined with ferrite formation process. <i>Journal of Environmental Management</i> , 2021 , 279, 111516	7.9	3
171	Formation of disinfection by-products in a UV-activated mixed chlorine/chloramine system. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124373	12.8	6

170	Characterization of raw and ozonated oil sands process water utilizing atmospheric pressure gas chromatography time-of-flight mass spectrometry combined with solid phase microextractionun. <i>Chemosphere</i> , 2021 , 266, 129017	8.4	0
169	Bifunctional Fe for Induced Graphitization and Catalytic Ozonation Based on a Fe/N-Doped Carbon-ALO Framework: Theoretical Calculations Guided Catalyst Design and Optimization. <i>Environmental Science & Technology</i> , 2021 ,	10.3	4
168	The application of UV-C laser in persulfate activation for micropollutant removal: Case study with iodinated X-ray contrast medias. <i>Science of the Total Environment</i> , 2021 , 779, 146340	10.2	3
167	Enhanced primary treatment during wet weather flow using ferrate as a coagulant, coagulant aid and disinfectant. <i>Journal of Environmental Management</i> , 2021 , 290, 112603	7.9	6
166	Solar photocatalytic treatment of model and real oil sands process water naphthenic acids by bismuth tungstate: Effect of catalyst morphology and cations on the degradation kinetics and pathways. <i>Journal of Hazardous Materials</i> , 2021 , 413, 125396	12.8	4
165	Treatment of oil sands process water using petroleum coke: Field pilot. <i>Journal of Environmental Management</i> , 2021 , 289, 112407	7.9	1
164	Treatment of a mixture of pharmaceuticals, herbicides and perfluorinated compounds by powdered activated carbon and ozone: Synergy, catalysis and insights into non-free OH contingent mechanisms. <i>Science of the Total Environment</i> , 2021 , 777, 146138	10.2	5
163	Bacterial diversity in petroleum coke based biofilters treating oil sands process water. <i>Science of the Total Environment</i> , 2021 , 782, 146742	10.2	3
162	Treatment of printing and dyeing wastewater in biological contact oxidation reactors comprising basalt fibers and combination fillers as bio-carriers: Elucidation of bacterial communities and underlying mechanisms. <i>Science of the Total Environment</i> , 2021 , 785, 147272	10.2	6
161	Application of an indigenous microorganisms-based fixed-bed GAC-biofilm reactor for passive and sustainable treatment of oil sands process water through combined adsorption and biodegradation processes. <i>Chemosphere</i> , 2021 , 280, 130635	8.4	3
160	Adsorption of metals in oil sands process water by a biochar/iron oxide composite: Influence of the composite structure and surface functional groups. <i>Chemical Engineering Journal</i> , 2021 , 421, 129937	14.7	8
159	Removal of per- and poly-fluoroalkyl substances (PFASs) by wetlands: Prospects on plants, microbes and the interplay. <i>Science of the Total Environment</i> , 2021 , 800, 149570	10.2	9
158	Influences of integrated coagulation-ozonation pretreatment on the characteristics of dissolved organic pollutants (DOPs) of heavy oil electric desalting wastewaters. <i>Journal of Environmental Management</i> , 2021 , 300, 113756	7.9	2
157	Influences of humic-rich natural materials on efficiencies of UASB reactor: A comparative study. <i>Bioresource Technology</i> , 2021 , 341, 125844	11	0
156	Fourier transform infrared spectroscopy as a surrogate tool for the quantification of naphthenic acids in oil sands process water and groundwater. <i>Science of the Total Environment</i> , 2020 , 734, 139191	10.2	10
155	Molecular transformation of dissolved organic matter in process water from oil and gas operation during UV/HO, UV/chlorine, and UV/persulfate processes. <i>Science of the Total Environment</i> , 2020 , 730, 139072	10.2	10
154	Inorganic fraction of oil sands process-affected water induces mammalian macrophage stress gene expression and acutely modulates immune cell functional markers at both the gene and protein levels. <i>Toxicology in Vitro</i> , 2020 , 66, 104875	3.6	2
153	Geothermal energy resources: potential environmental impact and land reclamation. <i>Environmental Reviews</i> , 2020 , 28, 415-427	4.5	13

152	Aerobic sludge granulation in shale gas flowback water treatment: Assessment of the bacterial community dynamics and modeling of bioreactor performance using artificial neural network. <i>Bioresource Technology</i> , 2020 , 313, 123687	11	10
151	Transmission of SARS-CoV-2 via fecal-oral and aerosols-borne routes: Environmental dynamics and implications for wastewater management in underprivileged societies. <i>Science of the Total Environment</i> , 2020 , 743, 140709	10.2	82
150	Degradation of organics in real oil sands process water by electro-oxidation using graphite and dimensionally stable anodes. <i>Chemical Engineering Journal</i> , 2020 , 389, 124406	14.7	16
149	Biofiltration of oil sands process water in fixed-bed biofilm reactors shapes microbial community structure for enhanced degradation of naphthenic acids. <i>Science of the Total Environment</i> , 2020 , 718, 137028	10.2	12
148	Comprehensive chemical analysis and characterization of heavy oil electric desalting wastewaters in petroleum refineries. <i>Science of the Total Environment</i> , 2020 , 724, 138117	10.2	12
147	Low-current electro-oxidation enhanced the biodegradation of the recalcitrant naphthenic acids in oil sands process water. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122807	12.8	7
146	Biochar surface complexation and Ni(II), Cu(II), and Cd(II) adsorption in aqueous solutions depend on feedstock type. <i>Science of the Total Environment</i> , 2020 , 712, 136538	10.2	74
145	Perspectives on environmental impacts and a land reclamation strategy for solar and wind energy systems. <i>Science of the Total Environment</i> , 2020 , 718, 134602	10.2	41
144	The impact of oil sands process water matrix on the ozonation of naphthenic acids: from a model compound to a natural mixture. <i>Canadian Journal of Civil Engineering</i> , 2020 , 47, 1166-1174	1.3	
143	High-rate nitrogen removal from carbon limited wastewater using sulfur-based constructed wetland: Impact of sulfur sources. <i>Science of the Total Environment</i> , 2020 , 744, 140969	10.2	13
142	Insight into in-situ radical and non-radical oxidative degradation of organic compounds in complex real matrix during electrooxidation with boron doped diamond electrode: A case study of oil sands process water treatment. <i>Applied Catalysis B: Environmental</i> , 2020 , 279, 119366	21.8	31
141	Mesoporous carbon xerogel material for the adsorption of model naphthenic acids: structure effect and kinetics modelling. <i>Environmental Technology (United Kingdom)</i> , 2020 , 41, 3534-3543	2.6	4
140	Exposure to Organic Fraction Extracted from Oil Sands Process-Affected Water Has Negligible Impact on Pregnancy and Lactation of Mice. <i>Environmental Science & Technology</i> , 2019 , 53, 7083-7094	10.3	5
139	Isolated cellulose nanofibers for Cu (II) and Zn (II) removal: performance and mechanisms. <i>Carbohydrate Polymers</i> , 2019 , 221, 231-241	10.3	41
138	Biochar properties and lead(II) adsorption capacity depend on feedstock type, pyrolysis temperature, and steam activation. <i>Chemosphere</i> , 2019 , 231, 393-404	8.4	98
137	Integrated mild ozonation with biofiltration can effectively enhance the removal of naphthenic acids from hydrocarbon-contaminated water. <i>Science of the Total Environment</i> , 2019 , 678, 197-206	10.2	14
136	Ferrate oxidation of distinct naphthenic acids species isolated from process water of unconventional petroleum production. <i>Science of the Total Environment</i> , 2019 , 672, 906-915	10.2	2
135	Electro-oxidation by graphite anode for naphthenic acids degradation, biodegradability enhancement and toxicity reduction. <i>Science of the Total Environment</i> , 2019 , 671, 270-279	10.2	14

134	Degradation kinetics and structure-reactivity relation of naphthenic acids during anodic oxidation on graphite electrodes. <i>Chemical Engineering Journal</i> , 2019 , 370, 997-1007	14.7	26
133	Comparison of UV/Persulfate and UV/HO for the removal of naphthenic acids and acute toxicity towards <i>Vibrio fischeri</i> from petroleum production process water. <i>Science of the Total Environment</i> , 2019 , 694, 133686	10.2	21
132	Separation of oil sands process water organics and inorganics and examination of their acute toxicity using standard in-vitro bioassays. <i>Science of the Total Environment</i> , 2019 , 695, 133532	10.2	12
131	Photodegradation of naphthenic acids induced by natural photosensitizer in oil sands process water. <i>Water Research</i> , 2019 , 164, 114913	12.5	18
130	Persistent and transgenerational effects of raw and ozonated oil sands process-affected water exposure on a model vertebrate, the zebrafish. <i>Science of the Total Environment</i> , 2019 , 693, 133611	10.2	4
129	Adsorption of organic matter in oil sands process water (OSPW) by carbon xerogel. <i>Water Research</i> , 2019 , 154, 402-411	12.5	19
128	Assessment of ozonation reactivity of aromatic and oxidized naphthenic acids species separated using a silver-ion solid phase extraction method. <i>Chemosphere</i> , 2019 , 219, 313-320	8.4	4
127	Bioreactors for oil sands process-affected water (OSPW) treatment: A critical review. <i>Science of the Total Environment</i> , 2018 , 627, 916-933	10.2	23
126	The effect of carboxyl multiwalled carbon nanotubes content on the structure and performance of polysulfone membranes for oil sands process-affected water treatment. <i>Separation and Purification Technology</i> , 2018 , 199, 170-181	8.3	11
125	The roles of pH and draw solute on forward osmosis process treating aqueous naphthenic acids. <i>Journal of Membrane Science</i> , 2018 , 549, 456-465	9.6	9
124	Degradation of recalcitrant naphthenic acids from raw and ozonated oil sands process-affected waters by a semi-passive biofiltration process. <i>Water Research</i> , 2018 , 133, 310-318	12.5	17
123	The role of ozone pretreatment on optimization of membrane bioreactor for treatment of oil sands process-affected water. <i>Journal of Hazardous Materials</i> , 2018 , 347, 470-477	12.8	17
122	Isotherm and kinetic studies on adsorption of oil sands process-affected water organic compounds using granular activated carbon. <i>Chemosphere</i> , 2018 , 202, 716-725	8.4	29
121	Characterization and determination of naphthenic acids species in oil sands process-affected water and groundwater from oil sands development area of Alberta, Canada. <i>Water Research</i> , 2018 , 128, 129-137	12.5	36
120	Monitoring of classical, oxidized, and heteroatomic naphthenic acids species in oil sands process water and groundwater from the active oil sands operation area. <i>Science of the Total Environment</i> , 2018 , 645, 277-285	10.2	17
119	Degradation of naphthenic acid model compounds in aqueous solution by UV activated persulfate: Influencing factors, kinetics and reaction mechanisms. <i>Chemosphere</i> , 2018 , 211, 271-277	8.4	34
118	Growth and recovery of zebrafish embryos after developmental exposure to raw and ozonated oil sands process-affected water. <i>Chemosphere</i> , 2018 , 206, 405-413	8.4	4
117	Assessment of raw and ozonated oil sands process-affected water exposure in developing zebrafish: Associating morphological changes with gene expression. <i>Environmental Pollution</i> , 2018 , 241, 959-968	9.3	10

116	Comparison of classical fenton, nitrilotriacetic acid (NTA)-Fenton, UV-Fenton, UV photolysis of Fe-NTA, UV-NTA-Fenton, and UV-HO for the degradation of cyclohexanoic acid. <i>Chemosphere</i> , 2017 , 175, 178-185	8.4	39
115	Understanding the similarities and differences between ozone and peroxone in the degradation of naphthenic acids: Comparative performance for potential treatment. <i>Chemosphere</i> , 2017 , 180, 149-159	8.4	23
114	Optimization of moving bed biofilm reactors for oil sands process-affected water treatment: The effect of HRT and ammonia concentrations. <i>Science of the Total Environment</i> , 2017 , 598, 690-696	10.2	14
113	Dynamics of naphthenic acids and microbial community structures in a membrane bioreactor treating oil sands process-affected water: impacts of supplemented inorganic nitrogen and hydraulic retention time. <i>RSC Advances</i> , 2017 , 7, 17670-17681	3.7	12
112	Dynamics of microbial community structure and nutrient removal from an innovative side-stream enhanced biological phosphorus removal process. <i>Journal of Environmental Management</i> , 2017 , 198, 300-307	7.9	14
111	Application of UV-irradiated Fe(III)-nitrilotriacetic acid (UV-Fe(III)NTA) and UV-NTA-Fenton systems to degrade model and natural occurring naphthenic acids. <i>Chemosphere</i> , 2017 , 179, 359-366	8.4	18
110	Characterization of microbial communities during start-up of integrated fixed-film activated sludge (IFAS) systems for the treatment of oil sands process-affected water (OSPW). <i>Biochemical Engineering Journal</i> , 2017 , 122, 123-132	4.2	20
109	Performance of flocs and biofilms in integrated fixed-film activated sludge (IFAS) systems for the treatment of oil sands process-affected water (OSPW). <i>Chemical Engineering Journal</i> , 2017 , 314, 368-377	14.7	21
108	Forward osmosis as an approach to manage oil sands tailings water and on-site basal depressurization water. <i>Journal of Hazardous Materials</i> , 2017 , 327, 18-27	12.8	17
107	Impact of environmental conditions on bacterial photoreactivation in wastewater effluents. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 31-37	4.3	7
106	Comparison of biomass from integrated fixed-film activated sludge (IFAS), moving bed biofilm reactor (MBBR) and membrane bioreactor (MBR) treating recalcitrant organics: Importance of attached biomass. <i>Journal of Hazardous Materials</i> , 2017 , 326, 120-129	12.8	41
105	A comparative study of microbial dynamics and phosphorus removal for a two side-stream wastewater treatment processes. <i>RSC Advances</i> , 2017 , 7, 45938-45948	3.7	11
104	Comparison of methods for determination of total oil sands-derived naphthenic acids in water samples. <i>Chemosphere</i> , 2017 , 187, 376-384	8.4	33
103	Comparison of the Acute Immunotoxicity of Nonfractionated and Fractionated Oil Sands Process-Affected Water Using Mammalian Macrophages. <i>Environmental Science & Technology</i> , 2017 , 51, 8624-8634	10.3	14
102	The toxicity of oil sands process-affected water (OSPW): A critical review. <i>Science of the Total Environment</i> , 2017 , 601-602, 1785-1802	10.2	89
101	Fate and abundance of classical and heteroatomic naphthenic acid species after advanced oxidation processes: Insights and indicators of transformation and degradation. <i>Water Research</i> , 2017 , 125, 62-71	12.5	27
100	Investigation of dissociation constants for individual and total naphthenic acids species using ultra performance liquid chromatography ion mobility time-of-flight mass spectrometry analysis. <i>Chemosphere</i> , 2017 , 184, 738-746	8.4	6
99	Sensory and Behavioral Responses of a Model Fish to Oil Sands Process-Affected Water with and without Treatment. <i>Environmental Science & Technology</i> , 2017 , 51, 7128-7137	10.3	7

98	Effects of ozone pretreatment and operating conditions on membrane fouling behaviors of an anoxic-aerobic membrane bioreactor for oil sands process-affected water (OSPW) treatment. <i>Water Research</i> , 2016 , 105, 444-455	12.5	40
97	Comparison of Nitrilotriacetic Acid and [S,S]-Ethylenediamine-N,N'-disuccinic Acid in UV-Fenton for the Treatment of Oil Sands Process-Affected Water at Natural pH. <i>Environmental Science & Technology</i> , 2016 , 50, 10535-10544	10.3	41
96	Treatment of raw and ozonated oil sands process-affected water under decoupled denitrifying anoxic and nitrifying aerobic conditions: a comparative study. <i>Biodegradation</i> , 2016 , 27, 247-264	4.1	16
95	Optimization of ozonation combined with integrated fixed-film activated sludge (IFAS) in the treatment of oil sands process-affected water (OSPW). <i>International Biodeterioration and Biodegradation</i> , 2016 , 112, 31-41	4.8	13
94	Characterization and distribution of metal and nonmetal elements in the Alberta oil sands region of Canada. <i>Chemosphere</i> , 2016 , 147, 218-29	8.4	23
93	Oxidation of Oil Sands Process-Affected Water by Potassium Ferrate(VI). <i>Environmental Science & Technology</i> , 2016 , 50, 4238-47	10.3	30
92	Investigation of the impact of organic solvent type and solution pH on the extraction efficiency of naphthenic acids from oil sands process-affected water. <i>Chemosphere</i> , 2016 , 146, 472-7	8.4	43
91	Mechanistic investigation of industrial wastewater naphthenic acids removal using granular activated carbon (GAC) biofilm based processes. <i>Science of the Total Environment</i> , 2016 , 541, 238-246	10.2	19
90	Pilot-scale study on the treatment of basal aquifer water using ultrafiltration, reverse osmosis and evaporation/crystallization to achieve zero-liquid discharge. <i>Journal of Environmental Management</i> , 2016 , 165, 213-223	7.9	22
89	Treatment of oil sands process-affected water (OSPW) using a membrane bioreactor with a submerged flat-sheet ceramic microfiltration membrane. <i>Water Research</i> , 2016 , 88, 1-11	12.5	43
88	Kinetics study on the degradation of a model naphthenic acid by ethylenediamine-N,N'-disuccinic acid-modified Fenton process. <i>Journal of Hazardous Materials</i> , 2016 , 318, 371-378	12.8	43
87	Degradation of a model naphthenic acid by nitrilotriacetic acid [modified Fenton process. <i>Chemical Engineering Journal</i> , 2016 , 292, 340-347	14.7	40
86	Pilot-scale UV/H ₂ O ₂ advanced oxidation process for municipal reuse water: Assessing micropollutant degradation and estrogenic impacts on goldfish (<i>Carassius auratus</i> L.). <i>Water Research</i> , 2016 , 101, 157-166	12.5	29
85	Comparison of UV/hydrogen peroxide, potassium ferrate(VI), and ozone in oxidizing the organic fraction of oil sands process-affected water (OSPW). <i>Water Research</i> , 2016 , 100, 476-485	12.5	54
84	Silver-Ion Solid Phase Extraction Separation of Classical, Aromatic, Oxidized, and Heteroatomic Naphthenic Acids from Oil Sands Process-Affected Water. <i>Environmental Science & Technology</i> , 2016 , 50, 6433-41	10.3	24
83	Application of Engineered Si Nanoparticles in Light-Induced Advanced Oxidation Remediation of a Water-Borne Model Contaminant. <i>ACS Nano</i> , 2016 , 10, 5405-12	16.7	19
82	Positive and negative electrospray ionization analyses of the organic fractions in raw and oxidized oil sands process-affected water. <i>Chemosphere</i> , 2016 , 165, 239-247	8.4	16
81	Treatment of oil sands process-affected water using membrane bioreactor coupled with ozonation: A comparative study. <i>Chemical Engineering Journal</i> , 2016 , 302, 485-497	14.7	33

80	Coagulation/flocculation process with polyaluminum chloride for the remediation of oil sands process-affected water: Performance and mechanism study. <i>Journal of Environmental Management</i> , 2015 , 160, 254-62	7.9	50
79	A hybrid froth flotation-filtration system as a pretreatment for oil sands tailings pond recycle water management: Bench- and pilot-scale studies. <i>Journal of Environmental Management</i> , 2015 , 161, 113-123	7.9	1
78	Effects of Ozone and Ozone/Hydrogen Peroxide on the Degradation of Model and Real Oil-Sands-Process-Affected-Water Naphthenic Acids. <i>Ozone: Science and Engineering</i> , 2015 , 37, 45-54	2.4	30
77	Fractionation of oil sands-process affected water using pH-dependent extractions: a study of dissociation constants for naphthenic acids species. <i>Chemosphere</i> , 2015 , 127, 291-6	8.4	35
76	Probing the adsorption of weak acids on graphite using amplitude modulation-frequency modulation atomic force microscopy. <i>Langmuir</i> , 2015 , 31, 3069-75	4	6
75	Next-generation pyrosequencing analysis of microbial biofilm communities on granular activated carbon in treatment of oil sands process-affected water. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 4037-48	4.8	29
74	Pseudomonads biodegradation of aromatic compounds in oil sands process-affected water. <i>Science of the Total Environment</i> , 2015 , 521-522, 59-67	10.2	10
73	Treatment of oil sands process-affected water (OSPW) using ozonation combined with integrated fixed-film activated sludge (IFAS). <i>Water Research</i> , 2015 , 85, 167-76	12.5	40
72	Effect of ozonation on the naphthenic acids speciation and toxicity of pH-dependent organic extracts of oil sands process-affected water. <i>Science of the Total Environment</i> , 2015 , 506-507, 66-75	10.2	41
71	Ultra Performance Liquid Chromatography Ion Mobility Time-of-Flight Mass Spectrometry Characterization of Naphthenic Acids Species from Oil Sands Process-Affected Water. <i>Environmental Science & Technology</i> , 2015 , 49, 11737-45	10.3	25
70	Treatment of oil sands process-affected water using moving bed biofilm reactors: With and without ozone pretreatment. <i>Bioresource Technology</i> , 2015 , 192, 219-27	11	51
69	An omic approach for the identification of oil sands process-affected water compounds using multivariate statistical analysis of ultrahigh resolution mass spectrometry datasets. <i>Science of the Total Environment</i> , 2015 , 511, 230-7	10.2	10
68	The impact of various ozone pretreatment doses on the performance of endogenous microbial communities for the remediation of oil sands process-affected water. <i>International Biodeterioration and Biodegradation</i> , 2015 , 100, 17-28	4.8	29
67	Effects of different pretreatments on the performance of ceramic ultrafiltration membrane during the treatment of oil sands tailings pond recycle water: a pilot-scale study. <i>Journal of Environmental Management</i> , 2015 , 151, 540-9	7.9	17
66	Granular activated carbon for simultaneous adsorption and biodegradation of toxic oil sands process-affected water organic compounds. <i>Journal of Environmental Management</i> , 2015 , 152, 49-57	7.9	33
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