

Mohamed Gamal El-Din

List of Publications by Year in descending order

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207
papers

8,894
citations

31976

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60623

81
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208
all docs

208
docs citations

208
times ranked

6533
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	8.0	78
2	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.	12.7	122
3	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.	12.7	24
4	Treatment of oil sands process water by the ferric citrate under visible light irradiation. <i>Chemical Engineering Journal</i> , 2022, 429, 132419.	12.7	3
5	The treatment of electroplating wastewater using an integrated approach of interior microelectrolysis and Fenton combined with recycle ferrite. <i>Chemosphere</i> , 2022, 286, 131543.	8.2	17
6	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> , 2022, 29, 16973-16987.	5.3	8
7	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> , 2022, 809, 151120.	8.0	44
8	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> , 2022, 815, 151961.	8.0	12
9	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.	12.7	31
10	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.	5.1	4
11	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.	11.3	13
12	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.	8.0	22
13	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.	8.0	16
14	Surface Microlenses for Much More Efficient Photodegradation in Water Treatment. <i>ACS ES&T Water</i> , 2022, 2, 644-657.	4.6	8
15	Enhanced wastewater treatment by modified basalt fiber bio-carriers: Effect of etching and surface functionalization. <i>Journal of Cleaner Production</i> , 2022, 343, 130927.	9.3	5
16	O ₃ /H ₂ O ₂ and UV-C light irradiation treatment of oil sands process water. <i>Science of the Total Environment</i> , 2022, 832, 154804.	8.0	4
17	Recent advances and future perspective on nanocellulose-based materials in diverse water treatment applications. <i>Science of the Total Environment</i> , 2022, 843, 156903.	8.0	33
18	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	5

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19	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.	4.4	15
20	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.	12.4	19
21	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.	7.5	16
22	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.	8.0	27
23	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.	8.2	220
24	Influences of coagulation pretreatment on the characteristics of crude oil electric desalting wastewaters. <i>Chemosphere</i> , 2021, 264, 128531.	8.2	16
25	The removal of Cu(II)â€“EDTA chelates using green rust adsorption combined with ferrite formation process. <i>Journal of Environmental Management</i> , 2021, 279, 111516.	7.8	7
26	Formation of disinfection by-products in a UV-activated mixed chlorine/chloramine system. <i>Journal of Hazardous Materials</i> , 2021, 407, 124373.	12.4	14
27	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.	8.2	7
28	Treatment of high-load organic wastewater by novel basalt fiber carrier media. <i>Science of the Total Environment</i> , 2021, 758, 143760.	8.0	8
29	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.	11.3	97
30	Coagulation-flocculation followed by catalytic ozonation processes for enhanced primary treatment during wet weather conditions. <i>Journal of Environmental Management</i> , 2021, 283, 111975.	7.8	9
31	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.	9.6	17
32	An enhanced disintegration using refinery spent caustic for anaerobic digestion of refinery waste activated sludge. <i>Journal of Environmental Management</i> , 2021, 284, 112022.	7.8	4
33	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.	8.0	17
34	Spent fluid catalytic cracking (FCC) catalyst enhances pyrolysis of refinery waste activated sludge. <i>Journal of Cleaner Production</i> , 2021, 295, 126382.	9.3	17
35	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.	9.3	11
36	Biochar heavy metal removal in aqueous solution depends on feedstock type and pyrolysis purging gas. <i>Environmental Pollution</i> , 2021, 281, 117094.	7.5	76

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37	Bifunctional Fe for Induced Graphitization and Catalytic Ozonation Based on a Fe/N-Doped Carbon Al_2O_3 Framework: Theoretical Calculations Guided Catalyst Design and Optimization. <i>Environmental Science & Technology</i> , 2021, 55, 11236-11244.	10.0	41
38	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.	8.0	13
39	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.	7.8	8
40	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.	12.4	16
41	Treatment of oil sands process water using petroleum coke: Field pilot. <i>Journal of Environmental Management</i> , 2021, 289, 112407.	7.8	7
42	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.	8.0	17
43	Bacterial diversity in petroleum coke based biofilters treating oil sands process water. <i>Science of the Total Environment</i> , 2021, 782, 146742.	8.0	11
44	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.	8.0	18
45	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.	8.2	11
46	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.	12.7	35
47	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.	8.0	22
48	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.	7.8	8
49	Influences of humic-rich natural materials on efficiencies of UASB reactor: A comparative study. <i>Bioresource Technology</i> , 2021, 341, 125844.	9.6	3
50	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.	2.7	8
51	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.	2.2	9
52	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.	8.0	137
53	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.	8.0	101
54	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	1

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55	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.	8.0	33
56	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.	20.2	79
57	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.	8.0	15
58	Molecular transformation of dissolved organic matter in process water from oil and gas operation during UV/H ₂ O ₂ , UV/chlorine, and UV/persulfate processes. <i>Science of the Total Environment</i> , 2020, 730, 139072.	8.0	27
59	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.	2.4	6
60	Geothermal energy resources: potential environmental impact and land reclamation. <i>Environmental Reviews</i> , 2020, 28, 415-427.	4.5	33
61	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.	9.6	22
62	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.	8.0	124
63	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.	12.7	32
64	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.	8.0	18
65	Comprehensive chemical analysis and characterization of heavy oil electric desalting wastewaters in petroleum refineries. <i>Science of the Total Environment</i> , 2020, 724, 138117.	8.0	29
66	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.	12.4	18
67	Comparison of UV/Persulfate and UV/H ₂ O ₂ 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.	8.0	38
68	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.	8.0	22
69	Photodegradation of naphthenic acids induced by natural photosensitizer in oil sands process water. <i>Water Research</i> , 2019, 164, 114913.	11.3	35
70	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.	8.0	10
71	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.	10.0	10
72	Isolated cellulose nanofibers for Cu (II) and Zn (II) removal: performance and mechanisms. <i>Carbohydrate Polymers</i> , 2019, 221, 231-241.	10.2	69

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73	Biochar properties and lead(II) adsorption capacity depend on feedstock type, pyrolysis temperature, and steam activation. <i>Chemosphere</i> , 2019, 231, 393-404.	8.2	195
74	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.	8.0	19
75	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.	8.0	5
76	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.	8.0	29
77	Degradation kinetics and structure-reactivity relation of naphthenic acids during anodic oxidation on graphite electrodes. <i>Chemical Engineering Journal</i> , 2019, 370, 997-1007.	12.7	40
78	Adsorption of organic matter in oil sands process water (OSPW) by carbon xerogel. <i>Water Research</i> , 2019, 154, 402-411.	11.3	33
79	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.	8.2	7
80	Bioreactors for oil sands process-affected water (OSPW) treatment: A critical review. <i>Science of the Total Environment</i> , 2018, 627, 916-933.	8.0	35
81	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.	7.9	18
82	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.	8.2	10
83	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.	11.3	23
84	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.	12.4	22
85	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.	8.2	53
86	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.	11.3	52
87	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.	8.2	7
88	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.	7.5	13
89	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.	8.0	22
90	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.	8.2	50

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91	Comparison of classical fenton, nitrilotriacetic acid (NTA)-Fenton, UV-Fenton, UV photolysis of Fe-NTA, UV-NTA-Fenton, and UV-H ₂ O ₂ for the degradation of cyclohexanoic acid. <i>Chemosphere</i> , 2017, 175, 178-185.	8.2	61
92	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.	8.2	27
93	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.	8.0	16
94	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.	3.6	15
95	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.	7.8	22
96	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.	8.2	28
97	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.	3.6	29
98	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.	12.7	27
99	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.	12.4	20
100	Impact of environmental conditions on bacterial photoreactivation in wastewater effluents. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 31-37.	3.5	13
101	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.	12.4	58
102	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.	3.6	15
103	Comparison of methods for determination of total oil sands-derived naphthenic acids in water samples. <i>Chemosphere</i> , 2017, 187, 376-384.	8.2	44
104	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.	10.0	18
105	The toxicity of oil sands process-affected water (OSPW): A critical review. <i>Science of the Total Environment</i> , 2017, 601-602, 1785-1802.	8.0	134
106	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.	11.3	31
107	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.	8.2	8
108	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.	10.0	13

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109	Kinetics study on the degradation of a model naphthenic acid by ethylenediamine-N,Nâ€™-disuccinic acid-modified Fenton process. <i>Journal of Hazardous Materials</i> , 2016, 318, 371-378.	12.4	61
110	Degradation of a model naphthenic acid by nitrilotriacetic acid â€“ modified Fenton process. <i>Chemical Engineering Journal</i> , 2016, 292, 340-347.	12.7	57
111	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.	11.3	36
112	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.	11.3	71
113	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, 6433-6441.	10.0	28
114	Application of Engineered Si Nanoparticles in Light-Induced Advanced Oxidation Remediation of a Water-Borne Model Contaminant. <i>ACS Nano</i> , 2016, 10, 5405-5412.	14.6	24
115	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.	8.2	20
116	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.	12.7	36
117	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.	11.3	57
118	Comparison of Nitrilotriacetic Acid and [S,S]-Ethylenediamine-N,Nâ€™-disuccinic Acid in UVâ€“Fenton for the Treatment of Oil Sands Process-Affected Water at Natural pH. <i>Environmental Science & Technology</i> , 2016, 50, 10535-10544.	10.0	55
119	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.	3.0	19
120	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.	3.9	15
121	Characterization and distribution of metal and nonmetal elements in the Alberta oil sands region of Canada. <i>Chemosphere</i> , 2016, 147, 218-229.	8.2	25
122	Oxidation of Oil Sands Process-Affected Water by Potassium Ferrate(VI). <i>Environmental Science & Technology</i> , 2016, 50, 4238-4247.	10.0	34
123	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, 472-477.	8.2	55
124	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.	8.0	30
125	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.	7.8	32
126	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.	11.3	57

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127	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, 11737-11745.	10.0	30
128	Treatment of oil sands process-affected water using moving bed biofilm reactors: With and without ozone pretreatment. <i>Bioresource Technology</i> , 2015, 192, 219-227.	9.6	56
129	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, 230-237.	8.0	14
130	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.	3.9	32
131	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, 540-549.	7.8	19
132	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.	7.8	48
133	The power of power: Electrokinetic control of PAH interactions with exfoliated graphite. <i>Journal of Hazardous Materials</i> , 2015, 288, 25-33.	12.4	9
134	UV and hydrogen peroxide treatment restores changes in innate immunity caused by exposure of fish to reuse water. <i>Water Research</i> , 2015, 71, 257-273.	11.3	22
135	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, 254-262.	7.8	59
136	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.	7.8	1
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