Ania C Ulrich

List of Publications by Year
in descending order

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Version: 2024-02-01

55	1,359	471371 17	345118 36
papers	citations	h-index	g-index

56	56	56	1391
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enzyme-Assisted Dewatering of Oil Sands Tailings: Significance of Water Chemistry and Biological Activity. Chemical Engineering Journal, 2022, 437, 135162.	6.6	1
2	Indigenous microbial communities in Albertan sediments are capable of anaerobic benzene biodegradation under methanogenic, sulfateâ€reducing, nitrateâ€reducing, and ironâ€reducing redox conditions. Water Environment Research, 2021, 93, 524-534.	1.3	3
3	The role of carbonate mineral dissolution in turbidity reduction in an oil sands end pit lake. Chemosphere, 2021, 271, 129876.	4.2	2
4	Learning, experiences, and actions towards advancing gender equity in engineering as aspiring men's allyship group. Canadian Journal of Chemical Engineering, 2021, 99, 2124-2137.	0.9	4
5	Biofilms for Turbidity Mitigation in Oil Sands End Pit Lakes. Microorganisms, 2021, 9, 1443.	1.6	7
6	Persulfate Oxidation Coupled with Biodegradation by Pseudomonas fluorescens Enhances Naphthenic Acid Remediation and Toxicity Reduction. Microorganisms, 2021, 9, 1502.	1.6	5
7	Geochemical Stability of Oil Sands Tailings in Mine Closure Landforms. Minerals (Basel, Switzerland), 2021, 11, 830.	0.8	17
8	Impact of lime treatment on tailings dewatering and cap water quality under an oil sands end pit lake scenario. Science of the Total Environment, 2021, 781, 146699.	3.9	6
9	Effects of Calcium and Aluminum on Particle Settling in an Oil Sands End Pit Lake. Mine Water and the Environment, 2021, 40, 1025-1036.	0.9	3
10	Improving engineering properties of mature fine tailings using Tubifex. Canadian Journal of Civil Engineering, 2020, 47, 812-821.	0.7	1
11	Potential syntrophic associations in anaerobic naphthenic acids biodegrading consortia inferred with microbial interactome networks. Journal of Hazardous Materials, 2020, 397, 122678.	6.5	10
12	Oil sands process affected water sourced Trichoderma harzianum demonstrates capacity for mycoremediation of naphthenic acid fraction compounds. Chemosphere, 2020, 258, 127281.	4.2	16
13	Naphthenic acid anaerobic biodegrading consortia enriched from pristine sediments underlying oil sands tailings ponds. Journal of Hazardous Materials, 2020, 394, 122546.	6.5	8
14	Tolerance and cytotoxicity of naphthenic acids on microorganisms isolated from oil sands process-affected water. Science of the Total Environment, 2019, 695, 133749.	3.9	8
15	Model naphthenic acids removal by microalgae and Base Mine Lake cap water microbial inoculum. Chemosphere, 2019, 234, 796-805.	4.2	14
16	Toward Gender Equity in Critical Care Medicine: A Qualitative Study of Perceived Drivers, Implications, and Strategies*. Critical Care Medicine, 2019, 47, e286-e291.	0.4	32
17	Who Is the Rock Miner and Who Is the Hunter? The Use of Heavy-Oxygen Labeled Phosphate (P18O4) to Differentiate between C and P Fluxes in a Benzene-Degrading Consortium. Environmental Science & Technology, 2018, 52, 1773-1786.	4.6	3
18	Characterization of the boron, lithium, and strontium isotopic variations of oil sands process-affected water in Alberta, Canada. Applied Geochemistry, 2018, 90, 50-62.	1.4	13

#	Article	IF	Citations
19	Environmental risk factors for bacteriological contamination in rural drinking water wells in Samson Cree Nation. Canadian Journal of Civil Engineering, 2018, 45, 99-104.	0.7	2
20	Turbidity Mitigation in an Oil Sands Pit Lake through pH Reduction and Fresh Water Addition. Journal of Environmental Engineering, ASCE, 2018, 144, .	0.7	5
21	Accelerated Dewatering and Detoxification of Oil Sands Tailings Using a Biological Amendment. Journal of Environmental Engineering, ASCE, 2018, 144, .	0.7	11
22	Indigenous microorganisms residing in oil sands tailings biodegrade residual bitumen. Chemosphere, 2018, 209, 551-559.	4.2	17
23	Effect of naphtha diluent on greenhouse gases and reduced sulfur compounds emissions from oil sands tailings. Science of the Total Environment, 2017, 598, 916-924.	3.9	8
24	Stream invertebrate community structure at Canadian oil sands development is linked to concentration of bitumen-derived contaminants. Science of the Total Environment, 2017, 575, 1005-1013.	3.9	26
25	Comparison of the transport and deposition of Pseudomonas aeruginosa under aerobic and anaerobic conditions. Water Resources Research, 2016, 52, 1127-1139.	1.7	5
26	Addition of Tubifex accelerates dewatering of oil sands tailings. Canadian Journal of Civil Engineering, 2016, 43, 1025-1033.	0.7	3
27	Sulfide Production and Management in Municipal Stormwater Retention Ponds. Journal of Environmental Engineering, ASCE, 2016, 142, 04015071.	0.7	2
28	Strain and factor selection for carbon dioxide fixation using microalgae cultivated in oil sands process water. Canadian Journal of Chemical Engineering, 2015, 93, 631-639.	0.9	5
29	Emissions from oil sands tailings ponds: Review of tailings pond parameters and emission estimates. Journal of Petroleum Science and Engineering, 2015, 127, 490-501.	2.1	98
30	Optimization of CO2 fixation by Chlorella kessleri using response surface methodology. Chemical Engineering Science, 2015, 127, 31-39.	1.9	33
31	Kinetic modeling and optimization of carbon dioxide fixation using microalgae cultivated in oil-sands process water. Chemical Engineering Science, 2015, 137, 697-711.	1.9	23
32	Optimization of CO2 fixation by Chlorella kessleri cultivated in a closed raceway photo-bioreactor. Bioresource Technology, 2015, 194, 144-155.	4.8	15
33	Oil sands naphthenic acids: A review of properties, measurement, and treatment. Chemosphere, 2015, 127, 276-290.	4.2	142
34	Retention and transport of an anaerobic trichloroethene dechlorinating microbial culture in anaerobic porous media. Colloids and Surfaces B: Biointerfaces, 2015, 130, 110-118.	2.5	9
35	In situ biodegradation of naphthenic acids in oil sands tailings pond water using indigenous algaeâ€“bacteria consortium. Bioresource Technology, 2015, 187, 97-105.	4.8	65
36	Indigenous microbes survive in situ ozonation improving biodegradation of dissolved organic matter in aged oil sands process-affected waters. Chemosphere, 2013, 93, 2748-2755.	4.2	18

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37	Fate and transport of oil sand process-affected water into the underlying clay till: A field study. Journal of Contaminant Hydrology, 2013, 151, 83-92.	1.6	11
38	Partitioning and bioaccumulation of metals from oil sands process affected water in indigenous Parachlorella kessleri. Chemosphere, 2013, 90, 1893-1899.	4.2	13
39	Anaerobic Processes. Water Environment Research, 2013, 85, 1176-1231.	1.3	1
40	Limitation of fluorescence spectrophotometry in the measurement of naphthenic acids in oil sands process water. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 429-436.	0.9	10
41	Pharmaceuticals in Canadian sewage treatment plant effluents and surface waters: occurrence and environmental risk assessment. Environmental Technology Reviews, 2013, 2, 17-27.	2.1	20
42	Anaerobic Processes. Water Environment Research, 2012, 84, 1217-1285.	1.3	4
43	Evaluating methods for quantifying cation exchange in mildly calcareous sediments in Northern Alberta. Applied Geochemistry, 2012, 27, 2511-2523.	1.4	11
44	Metal removal from oil sands tailings pond water by indigenous micro-alga. Chemosphere, 2012, 89, 350-354.	4.2	35
45	Preparation and characterization of activated carbon from oil sands coke. Fuel, 2012, 92, 69-76.	3.4	41
46	Geochemical interactions between process-affected water from oil sands tailings ponds and North Alberta surficial sediments. Journal of Contaminant Hydrology, 2011, 119, 55-68.	1.6	30
47	Anaerobic Processes. Water Environment Research, 2011, 83, 1285-1332.	1.3	4
48	Anaerobic Processes. Water Environment Research, 2010, 82, 1235-1287.	1.3	3
49	Effect of cold temperature on the rate of natural attenuation of benzene, toluene, ethylbenzene, and the three isomers of xylene (BTEX). Canadian Geotechnical Journal, 2010, 47, 516-527.	1.4	10
50	Anaerobic Processes. Water Environment Research, 2009, 81, 1293-1345.	1.3	1
51	Effect of salt on aerobic biodegradation of petroleum hydrocarbons in contaminated groundwater. Biodegradation, 2009, 20, 27-38.	1.5	41
52	Isotopic Evidence Suggests Different Initial Reaction Mechanisms for Anaerobic Benzene Biodegradation. Environmental Science & Technology, 2008, 42, 8290-8296.	4.6	70
53	Metabolites Detected during Biodegradation of13C6-Benzene in Nitrate-Reducing and Methanogenic Enrichment Cultures. Environmental Science & Technology, 2005, 39, 6681-6691.	4.6	112
54	Physiological and molecular characterization of anaerobic benzene-degrading mixed cultures. Environmental Microbiology, 2003, 5, 92-102.	1.8	137

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55	Carbon and Hydrogen Isotopic Fractionation during Anaerobic Biodegradation of Benzene. Applied and Environmental Microbiology, 2003, 69, 191-198.	1.4	159