

Mohamed N A Meshref

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7028487/publications.pdf>

Version: 2024-02-01

17
papers

465
citations

686830

13
h-index

887659

17
g-index

17
all docs

17
docs citations

17
times ranked

472
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of Phenol onto Aluminum Oxide Nanoparticles: Performance Evaluation, Mechanism Exploration, and Principal Component Analysis (PCA) of Thermodynamics. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	7
2	Enhancing quorum sensing in biofilm anode to improve biosensing of naphthenic acids. <i>Biosensors and Bioelectronics</i> , 2022, 210, 114275.	5.3	5
3	Optimization of thermal hydrolysis process for enhancing anaerobic digestion in a wastewater treatment plant with existing primary sludge fermentation. <i>Bioresource Technology</i> , 2021, 321, 124498.	4.8	41
4	Powdered activated carbon amendment in percolate tank enhances high-solids anaerobic digestion of organic fraction of municipal solid waste. <i>Chemical Engineering Research and Design</i> , 2021, 151, 63-70.	2.7	17
5	Impact of lime treatment on tailings dewatering and cap water quality under an oil sands end pit lake scenario. <i>Science of the Total Environment</i> , 2021, 781, 146699.	3.9	6
6	Low-temperature thermal hydrolysis of sludge prior to anaerobic digestion: Principal component analysis (PCA) of experimental data. <i>Data in Brief</i> , 2021, 38, 107323.	0.5	6
7	A review and roadmap for developing microbial electrochemical cell-based biosensors for recalcitrant environmental contaminants, emphasis on aromatic compounds. <i>Chemical Engineering Journal</i> , 2021, 424, 130245.	6.6	23
8	Low-temperature thermal hydrolysis for anaerobic digestion facility in wastewater treatment plant with primary sludge fermentation. <i>Chemical Engineering Journal</i> , 2021, 426, 130485.	6.6	21
9	Microbial electrochemical biosensor for rapid detection of naphthenic acid in aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114405.	1.9	15
10	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.	3.9	15
11	Microbial electrochemical systems for hydrogen peroxide synthesis: Critical review of process optimization, prospective environmental applications, and challenges. <i>Bioresource Technology</i> , 2020, 313, 123727.	4.8	44
12	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.	5.3	52
13	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.	3.9	22
14	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.	4.2	27
15	Comparison of methods for determination of total oil sands-derived naphthenic acids in water samples. <i>Chemosphere</i> , 2017, 187, 376-384.	4.2	44
16	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.	5.3	31
17	Composite polyvinylidene fluoride (PVDF) membrane impregnated with Fe ₂ O ₃ nanoparticles and multiwalled carbon nanotubes for catalytic degradation of organic contaminants. <i>Journal of Membrane Science</i> , 2015, 490, 227-235.	4.1	89