Nikolaus Klamerth

List of Publications by Year
in descending order

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28 papers	2,156 citations	279487 23 h-index	500791 28 g-index
28 all docs	28 docs citations	28 times ranked	2311 citing authors

#	Article	IF	Citations
1	Fourier transform infrared spectroscopy as a surrogate tool for the quantification of naphthenic acids in oil sands process water and groundwater. Science of the Total Environment, 2020, 734, 139191.	3.9	15
2	Characterization and determination of naphthenic acids species in oil sands process-affected water and groundwater from oil sands development area of Alberta, Canada. Water Research, 2018, 128, 129-137.	5.3	52
3	Monitoring of classical, oxidized, and heteroatomic naphthenic acids species in oil sands process water and groundwater from the active oil sands operation area. Science of the Total Environment, 2018, 645, 277-285.	3.9	22
4	Comparison of classical fenton, nitrilotriacetic acid (NTA)-Fenton, UV-Fenton, UV photolysis of Fe-NTA, UV-NTA-Fenton, and UV-H2O2 for the degradation of cyclohexanoic acid. Chemosphere, 2017, 175, 178-185.	4.2	61
5	Understanding the similarities and differences between ozone and peroxone in the degradation of naphthenic acids: Comparative performance for potential treatment. Chemosphere, 2017, 180, 149-159.	4.2	27
6	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. Chemosphere, 2017, 179, 359-366.	4.2	28
7	Impact of environmental conditions on bacterial photoreactivation in wastewater effluents. Environmental Sciences: Processes and Impacts, 2017, 19, 31-37.	1.7	13
8	Comparison of methods for determination of total oil sands-derived naphthenic acids in water samples. Chemosphere, 2017, 187, 376-384.	4.2	44
9	Kinetics study on the degradation of a model naphthenic acid by ethylenediamine-N,Nâ€™-disuccinic acid-modified Fenton process. Journal of Hazardous Materials, 2016, 318, 371-378.	6.5	61
10	Degradation of a model naphthenic acid by nitrilotriacetic acid â€“ modified Fenton process. Chemical Engineering Journal, 2016, 292, 340-347.	6.6	57
11	Pilot-scale UV/H2O2 advanced oxidation process for municipal reuse water: Assessing micropollutant degradation and estrogenic impacts on goldfish (Carassius auratus L.). Water Research, 2016, 101, 157-166.	5.3	36
12	Comparison of UV/hydrogen peroxide, potassium ferrate(VI), and ozone in oxidizing the organic fraction of oil sands process-affected water (OSPW). Water Research, 2016, 100, 476-485.	5.3	71
13	Positive and negative electrospray ionization analyses of the organic fractions in raw and oxidized oil sands process-affected water. Chemosphere, 2016, 165, 239-247.	4.2	20
14	Comparison of Nitrilotriacetic Acid and [S,S]-Ethylenediamine-N,Nâ€²-disuccinic Acid in UVâ€“Fenton for the Treatment of Oil Sands Process-Affected Water at Natural pH. Environmental Science & Technology, 2016, 50, 10535-10544.	4.6	55
15	Oxidation of Oil Sands Process-Affected Water by Potassium Ferrate(VI). Environmental Science & Technology, 2016, 50, 4238-4247.	4.6	34
16	Application of the UV/H₂O₂advanced oxidation process for municipal reuse water: bench- and pilot-scale studies. WIT Transactions on Ecology and the Environment, 2016, , .	0.0	4
17	Effect of ozonation on the naphthenic acids' speciation and toxicity of pH-dependent organic extracts of oil sands process-affected water. Science of the Total Environment, 2015, 506-507, 66-75.	3.9	47
18	Advanced Analytical Mass Spectrometric Techniques and Bioassays to Characterize Untreated and Ozonated Oil Sands Process-Affected Water. Environmental Science & Technology, 2014, 48, 11090-11099.	4.6	55

#	Article	IF	Citations
19	Application of solar AOPs and ozonation for elimination of micropollutants in municipal wastewater treatment plant effluents. Water Research, 2013, 47, 1521-1528.	5.3	254
20	Photo-Fenton and modified photo-Fenton at neutral pH for the treatment of emerging contaminants in wastewater treatment plant effluents: A comparison. Water Research, 2013, 47, 833-840.	5.3	238
21	Treatment of Municipal Wastewater Treatment Plant Effluents with Modified Photo-Fenton As a Tertiary Treatment for the Degradation of Micro Pollutants and Disinfection. Environmental Science & Technology, 2012, 46, 2885-2892.	4.6	146
22	Modified photo-Fenton for degradation of emerging contaminants in municipal wastewater effluents. Catalysis Today, 2011, 161, 241-246.	2.2	72
23	Efficiency of different solar advanced oxidation processes on the oxidation of bisphenol A in water. Applied Catalysis B: Environmental, 2010, 95, 228-237.	10.8	72
24	Degradation of fifteen emerging contaminants at Î¼gLâˆ’1 initial concentrations by mild solar photo-Fenton in MWTP effluents. Water Research, 2010, 44, 545-554.	5.3	293
25	Field solar degradation of pesticides and emerging water contaminants mediated by polymer films containing titanium and iron oxide with synergistic heterogeneous photocatalytic activity at neutral pH. Water Research, 2010, 44, 3029-3038.	5.3	49
26	Application of Photo-Fenton as a Tertiary Treatment of Emerging Contaminants in Municipal Wastewater.. Environmental Science & Technology, 2010, 44, 1792-1798.	4.6	166
27	Degradation of emerging contaminants at low concentrations in MWTPs effluents with mild solar photo-Fenton and TiO2. Catalysis Today, 2009, 144, 124-130.	2.2	126
28	Photo-Fenton decomposition of chlorfenvinphos: Determination of reaction pathway. Water Research, 2009, 43, 441-449.	5.3	38