Pedro Leton

List of Publications by Year in descending order

35 papers	1,304 citations	361413 20 h-index	361022 35 g-index
36 all docs	36 docs citations	36 times ranked	1766 citing authors

#	Article	IF	Citations
1	Effect of Carbamazepine, Ibuprofen, Triclosan and Sulfamethoxazole on Anaerobic Bioreactor Performance: Combining Cell Damage, Ecotoxicity and Chemical Information. Toxics, 2022, 10, 42.	3.7	8
2	Assessing METlandÂ® Design and Performance Through LCA: Techno-Environmental Study With Multifunctional Unit Perspective. Frontiers in Microbiology, 2021, 12, 652173.	3.5	13
3	Enzyme response of activated sludge to a mixture of emerging contaminants in continuous exposure. PLoS ONE, 2020, 15, e0227267.	2.5	14
4	Detoxification of wastewater containing pharmaceuticals using horizontal flow bioelectrochemical filter. Bioresource Technology Reports, 2019, 7, 100296.	2.7	13
5	Biocompatible antimicrobial electrospun nanofibers functionalized with Îµ-poly-l-lysine. International Journal of Pharmaceutics, 2018, 553, 141-148.	5.2	36
6	Incorporation of antimicrobial peptides on electrospun nanofibres for biomedical applications. RSC Advances, 2018, 8, 28013-28023.	3.6	41
7	Toxicological interactions of ibuprofen and triclosan on biological activity of activated sludge. Journal of Hazardous Materials, 2017, 334, 193-200.	12.4	36
8	Poly(amidoamine) dendrimers grafted on electrospun poly(acrylic acid)/poly(vinyl alcohol) membranes for hostâ€“guest encapsulation of antioxidant thymol. Journal of Materials Chemistry B, 2017, 5, 6776-6785.	5.8	17
9	Dendrimer-functionalized electrospun nanofibres as dual-action water treatment membranes. Science of the Total Environment, 2017, 601-602, 732-740.	8.0	26
10	Antimicrobial activity of poly(vinyl alcohol)-poly(acrylic acid) electrospun nanofibers. Colloids and Surfaces B: Biointerfaces, 2016, 146, 144-151.	5.0	47
11	Ozonation as pre-treatment of activated sludge process of a wastewater containing benzalkonium chloride and NiO nanoparticles. Chemical Engineering Journal, 2016, 283, 740-749.	12.7	46
12	Personal care product preservatives: Risk assessment and mixture toxicities with an industrial wastewater. Water Research, 2015, 72, 174-185.	11.3	63
13	Continuous ozonation treatment of ofloxacin: Transformation products, water matrix effect and aquatic toxicity. Journal of Hazardous Materials, 2015, 292, 34-43.	12.4	104
14	Influence of water matrix on copper-catalysed continuous ozonation and related ecotoxicity. Applied Catalysis B: Environmental, 2015, 163, 233-240.	20.2	14
15	Treatment of a wastewater from a pesticide manufacture by combined coagulation and Fenton oxidation. Environmental Science and Pollution Research, 2014, 21, 12129-12134.	5.3	26
16	Treatment of phenol in an anaerobic fluidized bed reactor (AFBR): continuous and batch regime. Biodegradation, 2010, 21, 603-613.	3.0	20
17	Identification of intermediates and assessment of ecotoxicity in the oxidation products generated during the ozonation of clofibric acid. Journal of Hazardous Materials, 2009, 172, 1061-1068.	12.4	100
18	Description of by-product inhibiton effects on biodesulfurization of dibenzothiophene in biphasic media. Biodegradation, 2008, 19, 599-611.	3.0	23

#	Article	IF	Citations
19	Gasâ€“liquid mass transfer in oilâ€“water emulsions with an airlift bio-reactor. Chemical Engineering and Processing: Process Intensification, 2008, 47, 2408-2412.	3.6	27
20	Ozone-Based Technologies in Water and Wastewater Treatment. , 2008, , 127-175.		20
21	Removal of pharmaceuticals and kinetics of mineralization by O3/H2O2 in a biotreated municipal wastewater. Water Research, 2008, 42, 3719-3728.	11.3	150
22	Determination of PASHs by various analytical techniques based on gas chromatographyâ€“mass spectrometryApplication to a biodesulfurization process. Talanta, 2008, 75, 1158-1166.	5.5	9
23	Biodesulfurization of dibenzothiophene by growing cells of Pseudomonas putida CECT 5279 in biphasic media. Chemosphere, 2008, 73, 663-669.	8.2	39
24	Volatile Fatty Acid Anaerobic Degradation: Kinetic Modeling with an Inoculum under Controlled Conditions. Industrial & Engineering Chemistry Research, 2008, 47, 5337-5345.	3.7	5
25	Chromatographic methods applied in the monitoring of biodesulfurization processes â€“ State of the art. Talanta, 2007, 73, 103-114.	5.5	11
26	Dibenzothiophene biodesulfurization in resting cell conditions by aerobic bacteria. Biochemical Engineering Journal, 2007, 35, 191-197.	3.6	77
27	Biodiesel and FAME synthesis assisted by microwaves: Homogeneous batch and flow processes. Fuel, 2007, 86, 1641-1644.	6.4	148
28	Enhancement of dibenzothiophene biodesulfurization using Î²-cyclodextrins in oil-to-water media. Fuel, 2007, 86, 2632-2636.	6.4	41
29	Prediction of Gas Hold-Up and Liquid Velocity in Airlift Reactors Using Two-Phase Flow Friction Coefficients. Journal of Chemical Technology and Biotechnology, 1996, 67, 388-396.	3.2	17
30	Prediction of fluid dynamics and liquid mixing in bubble columns. Chemical Engineering Science, 1994, 49, 3643-3649.	3.8	10
31	A differential method for kinetics of non-isothermal solid decomposition. Thermochimica Acta, 1991, 182, 235-241.	2.7	7
32	A fluid dynamic model for bubble columns and airlift reactors. Chemical Engineering Science, 1991, 46, 2947-2951.	3.8	41
33	Prediction of gas hold up and liquid velocity in airlift loop reactors containing highly viscous Newtonian liquids. Chemical Engineering Science, 1991, 46, 2951-2954.	3.8	12
34	Effects of impurities in the kinetics of calcite decomposition. Thermochimica Acta, 1990, 170, 7-11.	2.7	40
35	Kinetic analysis of TG data. Thermochimica Acta, 1989, 154, 263-269.	2.7	2