

Pedro Leton

List of Publications by Year in descending order

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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	Removal of pharmaceuticals and kinetics of mineralization by O ₃ /H ₂ O ₂ in a biotreated municipal wastewater. <i>Water Research</i> , 2008, 42, 3719-3728.	11.3	150
2	Biodiesel and FAME synthesis assisted by microwaves: Homogeneous batch and flow processes. <i>Fuel</i> , 2007, 86, 1641-1644.	6.4	148
3	Continuous ozonation treatment of ofloxacin: Transformation products, water matrix effect and aquatic toxicity. <i>Journal of Hazardous Materials</i> , 2015, 292, 34-43.	12.4	104
4	Identification of intermediates and assessment of ecotoxicity in the oxidation products generated during the ozonation of clofibric acid. <i>Journal of Hazardous Materials</i> , 2009, 172, 1061-1068.	12.4	100
5	Dibenzothiophene biodesulfurization in resting cell conditions by aerobic bacteria. <i>Biochemical Engineering Journal</i> , 2007, 35, 191-197.	3.6	77
6	Personal care product preservatives: Risk assessment and mixture toxicities with an industrial wastewater. <i>Water Research</i> , 2015, 72, 174-185.	11.3	63
7	Antimicrobial activity of poly(vinyl alcohol)-poly(acrylic acid) electrospun nanofibers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 144-151.	5.0	47
8	Ozonation as pre-treatment of activated sludge process of a wastewater containing benzalkonium chloride and NiO nanoparticles. <i>Chemical Engineering Journal</i> , 2016, 283, 740-749.	12.7	46
9	A fluid dynamic model for bubble columns and airlift reactors. <i>Chemical Engineering Science</i> , 1991, 46, 2947-2951.	3.8	41
10	Enhancement of dibenzothiophene biodesulfurization using β -cyclodextrins in oil-to-water media. <i>Fuel</i> , 2007, 86, 2632-2636.	6.4	41
11	Incorporation of antimicrobial peptides on electrospun nanofibres for biomedical applications. <i>RSC Advances</i> , 2018, 8, 28013-28023.	3.6	41
12	Effects of impurities in the kinetics of calcite decomposition. <i>Thermochimica Acta</i> , 1990, 170, 7-11.	2.7	40
13	Biodesulfurization of dibenzothiophene by growing cells of <i>Pseudomonas putida</i> CECT 5279 in biphasic media. <i>Chemosphere</i> , 2008, 73, 663-669.	8.2	39
14	Toxicological interactions of ibuprofen and triclosan on biological activity of activated sludge. <i>Journal of Hazardous Materials</i> , 2017, 334, 193-200.	12.4	36
15	Biocompatible antimicrobial electrospun nanofibers functionalized with β -poly-L-lysine. <i>International Journal of Pharmaceutics</i> , 2018, 553, 141-148.	5.2	36
16	Gas-liquid mass transfer in oil-water emulsions with an airlift bio-reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 2408-2412.	3.6	27
17	Treatment of a wastewater from a pesticide manufacture by combined coagulation and Fenton oxidation. <i>Environmental Science and Pollution Research</i> , 2014, 21, 12129-12134.	5.3	26
18	Dendrimer-functionalized electrospun nanofibres as dual-action water treatment membranes. <i>Science of the Total Environment</i> , 2017, 601-602, 732-740.	8.0	26

#	ARTICLE	IF	CITATIONS
19	Description of by-product inhibition effects on biodesulfurization of dibenzothiophene in biphasic media. <i>Biodegradation</i> , 2008, 19, 599-611.	3.0	23
20	Ozone-Based Technologies in Water and Wastewater Treatment. , 2008, , 127-175.		20
21	Treatment of phenol in an anaerobic fluidized bed reactor (AFBR): continuous and batch regime. <i>Biodegradation</i> , 2010, 21, 603-613.	3.0	20
22	Prediction of Gas Hold-Up and Liquid Velocity in Airlift Reactors Using Two-Phase Flow Friction Coefficients. <i>Journal of Chemical Technology and Biotechnology</i> , 1996, 67, 388-396.	3.2	17
23	Poly(amidoamine) dendrimers grafted on electrospun poly(acrylic acid)/poly(vinyl alcohol) membranes for host-guest encapsulation of antioxidant thymol. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6776-6785.	5.8	17
24	Influence of water matrix on copper-catalysed continuous ozonation and related ecotoxicity. <i>Applied Catalysis B: Environmental</i> , 2015, 163, 233-240.	20.2	14
25	Enzyme response of activated sludge to a mixture of emerging contaminants in continuous exposure. <i>PLoS ONE</i> , 2020, 15, e0227267.	2.5	14
26	Detoxification of wastewater containing pharmaceuticals using horizontal flow bioelectrochemical filter. <i>Bioresource Technology Reports</i> , 2019, 7, 100296.	2.7	13
27	Assessing METland® Design and Performance Through LCA: Techno-Environmental Study With Multifunctional Unit Perspective. <i>Frontiers in Microbiology</i> , 2021, 12, 652173.	3.5	13
28	Prediction of gas hold up and liquid velocity in airlift loop reactors containing highly viscous Newtonian liquids. <i>Chemical Engineering Science</i> , 1991, 46, 2951-2954.	3.8	12
29	Chromatographic methods applied in the monitoring of biodesulfurization processes – State of the art. <i>Talanta</i> , 2007, 73, 103-114.	5.5	11
30	Prediction of fluid dynamics and liquid mixing in bubble columns. <i>Chemical Engineering Science</i> , 1994, 49, 3643-3649.	3.8	10
31	Determination of PASHs by various analytical techniques based on gas chromatography-mass spectrometry Application to a biodesulfurization process. <i>Talanta</i> , 2008, 75, 1158-1166.	5.5	9
32	Effect of Carbamazepine, Ibuprofen, Triclosan and Sulfamethoxazole on Anaerobic Bioreactor Performance: Combining Cell Damage, Ecotoxicity and Chemical Information. <i>Toxics</i> , 2022, 10, 42.	3.7	8
33	A differential method for kinetics of non-isothermal solid decomposition. <i>Thermochimica Acta</i> , 1991, 182, 235-241.	2.7	7
34	Volatile Fatty Acid Anaerobic Degradation: Kinetic Modeling with an Inoculum under Controlled Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 5337-5345.	3.7	5
35	Kinetic analysis of TG data. <i>Thermochimica Acta</i> , 1989, 154, 263-269.	2.7	2