MarÃa Eugenia SuÃ¡rez-Ojeda

List of Publications by Year
in descending order

46	2,148	28	46
papers	citations	h-index	g-index

186265 223800

47	47	47	2205
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An integrative review of granular sludge for the biological removal of nutrients and recalcitrant organic matter from wastewater. Chemical Engineering Journal, 2018, 336, 489-502.	12.7	178
2	Stable long-term operation of an upflow anammox sludge bed reactor at mainstream conditions. Water Research, 2018, 128, 331-340.	11.3	138
3	Recovery of polyhydroxyalkanoates (PHAs) from wastewater: A review. Bioresource Technology, 2020, 297, 122478.	9.6	136
4	Bioplastic recovery from wastewater: A new protocol for polyhydroxyalkanoates (PHA) extraction from mixed microbial cultures. Bioresource Technology, 2019, 282, 361-369.	9.6	117
5	Catalytic wet air oxidation of substituted phenols using activated carbon as catalyst. Applied Catalysis B: Environmental, 2005, 58, 105-114.	20.2	108
6	Kinetic and microbiological characterization of aerobic granules performing partial nitritation of a low-strength wastewater at 10ÂÂ°C. Water Research, 2016, 101, 147-156.	11.3	96
7	Microbial community shifts on an anammox reactor after a temperature shock using 454-pyrosequencing analysis. Bioresource Technology, 2015, 181, 207-213.	9.6	92
8	Long-term impact of salinity on the performance and microbial population of an aerobic granular reactor treating a high-strength aromatic wastewater. Bioresource Technology, 2015, 198, 844-851.	9.6	88
9	Enrichment of a mixed microbial culture for polyhydroxyalkanoates production: Effect of pH and N and P concentrations. Science of the Total Environment, 2017, 583, 300-307.	8.0	78
10	Long term operation of a granular sequencing batch reactor at pilot scale treating a low-strength wastewater. Chemical Engineering Journal, 2012, 198-199, 163-170.	12.7	72
11	Catalytic wet air oxidation of a high strength p-nitrophenol wastewater over Ru and Pt catalysts: Influence of the reaction conditions on biodegradability enhancement. Applied Catalysis B: Environmental, 2012, 123-124, 141-150.	20.2	68
12	Partial nitritation and o-cresol removal with aerobic granular biomass in a continuous airlift reactor. Water Research, 2014, 48, 354-362.	11.3	63
13	Catalytic wet air oxidation of substituted phenols: Temperature and pressure effect on the pollutant removal, the catalyst preservation and the biodegradability enhancement. Chemical Engineering Journal, 2007, 132, 105-115.	12.7	54
14	Environmental Assessment of Sewer Construction in Small to Medium Sized Cities Using Life Cycle Assessment. Water Resources Management, 2014, 28, 979-997.	3.9	47
15	Biodegradation of a high-strength wastewater containing a mixture of ammonium, aromatic compounds and salts with simultaneous nitritation in an aerobic granular reactor. Process Biochemistry, 2016, 51, 399-407.	3.7	46
16	Integrated catalytic wet air oxidation and aerobic biological treatment in a municipal WWTP of a high-strength o-cresol wastewater. Chemosphere, 2007, 66, 2096-2105.	8.2	45
17	Enrichment of a K-strategist microbial population able to biodegrade p-nitrophenol in a sequencing batch reactor. Water Research, 2009, 43, 3871-3883.	11.3	44
18	Municipal sewer networks as sources of nitrous oxide, methane and hydrogen sulphide emissions: A review and case studies. Journal of Environmental Chemical Engineering, 2015, 3, 2084-2094.	6.7	43

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19	Simultaneous nitritation and p-nitrophenol removal using aerobic granular biomass in a continuous airlift reactor. Bioresource Technology, 2013, 150, 307-313.	9.6	41
20	Bioaugmentation for treating transient or continuous p-nitrophenol shock loads in an aerobic sequencing batch reactor. Bioresource Technology, 2012, 123, 150-156.	9.6	40
21	Environmental assessment of different pipelines for drinking water transport and distribution network in small to medium cities: a case from Betanzos, Spain. Journal of Cleaner Production, 2014, 66, 588-598.	9.3	40
22	Long-term stability of an enhanced biological phosphorus removal system in a phosphorus recovery scenario. Journal of Cleaner Production, 2019, 214, 308-318.	9.3	34
23	Chemical Wet Oxidation for the Abatement of Refractory Non-Biodegradable Organic Wastewater Pollutants. Chemical Engineering Research and Design, 2005, 83, 371-380.	5.6	33
24	Closed-loop control of ammonium concentration in nitritation: Convenient for reactor operation but also for modeling. Bioresource Technology, 2013, 128, 655-663.	9.6	33
25	Denitritation in an anoxic granular reactor using phenol as sole organic carbon source. Chemical Engineering Journal, 2016, 288, 289-297.	12.7	32
26	Wet air oxidation (WAO) as a precursor to biological treatment of substituted phenols: Refractory nature of the WAO intermediates. Chemical Engineering Journal, 2008, 144, 205-212.	12.7	31
27	Inhibition of the anammox activity by aromatic compounds. Chemical Engineering Journal, 2015, 279, 681-688.	12.7	31
28	Phenol wastewater remediation: advanced oxidation processes coupled to a biological treatment. Water Science and Technology, 2007, 55, 221-227.	2.5	29
29	Review about bioproduction of Volatile Fatty Acids from wastes and wastewaters: Influence of operating conditions and organic composition of the substrate. Journal of Environmental Chemical Engineering, 2022, 10, 107917.	6.7	29
30	Kinetics of aerobic biodegradation of dihydroxybenzenes by a p-nitrophenol-degrading activated sludge. Bioresource Technology, 2012, 110, 57-62.	9.6	28
31	Biodegradability enhancement of phenolic compounds by Hydrogen Peroxide Promoted Catalytic Wet Air Oxidation. Catalysis Today, 2007, 124, 191-197.	4.4	27
32	Long-term performance and stability of a continuous granular airlift reactor treating a high-strength wastewater containing a mixture of aromatic compounds. Journal of Hazardous Materials, 2016, 303, 154-161.	12.4	20
33	Aerobic biodegradation of a mixture of monosubstituted phenols in a sequencing batch reactor. Journal of Hazardous Materials, 2013, 260, 563-568.	12.4	19
34	Sequentially alternating pollutant scenarios of phenolic compounds in a continuous aerobic granular sludge reactor performing simultaneous partial nitritation and o-cresol biodegradation. Bioresource Technology, 2014, 161, 354-361.	9.6	18
35	Modelling the pH dependence of the kinetics of aerobic p-nitrophenol biodegradation. Journal of Hazardous Materials, 2011, 186, 1947-1953.	12.4	17
36	Environmental assessment of drinking water transport and distribution network use phase for small to medium-sized municipalities in Spain. Journal of Cleaner Production, 2015, 87, 573-582.	9.3	17

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37	Towards PHA Production from Wastes: The Bioconversion Potential of Different Activated Sludge and Food Industry Wastes into VFAs Through Acidogenic Fermentation. Waste and Biomass Valorization, 2021, 12, 6861-6873.	3.4	16
38	Microbial communities in an anammox reactor treating municipal wastewater at mainstream conditions: Practical implications of different molecular approaches. Journal of Environmental Chemical Engineering, 2021, 9, 106622.	6.7	15
39	Increasing the energy production in an urban wastewater treatment plant using a high-rate activated sludge: Pilot plant demonstration and energy balance. Journal of Cleaner Production, 2022, 354, 131734.	9.3	13
40	Catalytic and non-catalytic wet air oxidation of sodium dodecylbenzene sulfonate: Kinetics and biodegradability enhancement. Journal of Hazardous Materials, 2007, 144, 655-662.	12.4	12
41	Assessing the Energetic and Environmental Impacts of the Operation and Maintenance of Spanish Sewer Networks from a Life-Cycle Perspective. Water Resources Management, 2015, 29, 2581-2597.	3.9	12
42	Assessment of crude glycerol for Enhanced Biological Phosphorus Removal: Stability and role of long chain fatty acids. Chemosphere, 2015, 141, 50-56.	8.2	11
43	Increasing resource circularity in wastewater treatment: Environmental implications of technological upgrades. Science of the Total Environment, 2022, 838, 156422.	8.0	11
44	Inhibitory impact of quinone-like compounds over partial nitrification. Chemosphere, 2010, 80, 474-480.	8.2	10
45	Characterization of a <i>p</i>â€nitrophenolâ€degrading mixed culture with an improved methodology of fluorescence <i>in situ</i> hybridization and confocal laser scanning microscopy. Journal of Chemical Technology and Biotechnology, 2011, 86, 1405-1412.	3.2	8
46	Calibration of a kinetic model for wet air oxidation (WAO) of substituted phenols: Influence of experimental data on model prediction and practical identifiability. Chemical Engineering Journal, 2009, 150, 328-336.	12.7	4