# MarÃ-a Eugenia SuÃ¡rez-Ojeda

List of Publications by Year
in descending order



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|---|---|---|---|
| 46 papers | 2,148 citations | 186209 28 h-index | 223716 46 g-index |
| 47 all docs | 47 docs citations | 47 times ranked | 2205 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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. | 4.6 | 13 |
| 2 | 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. | 3.3 | 29 |
| 3 | Increasing resource circularity in wastewater treatment: Environmental implications of technological upgrades. Science of the Total Environment, 2022, 838, 156422. | 3.9 | 11 |
| 4 | 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. | 1.8 | 16 |
| 5 | 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. | 3.3 | 15 |
| 6 | Recovery of polyhydroxyalkanoates (PHAs) from wastewater: A review. Bioresource Technology, 2020, 297, 122478. | 4.8 | 136 |
| 7 | Bioplastic recovery from wastewater: A new protocol for polyhydroxyalkanoates (PHA) extraction from mixed microbial cultures. Bioresource Technology, 2019, 282, 361-369. | 4.8 | 117 |
| 8 | Long-term stability of an enhanced biological phosphorus removal system in a phosphorus recovery scenario. Journal of Cleaner Production, 2019, 214, 308-318. | 4.6 | 34 |
| 9 | Stable long-term operation of an upflow anammox sludge bed reactor at mainstream conditions. Water Research, 2018, 128, 331-340. | 5.3 | 138 |
| 10 | 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. | 6.6 | 178 |
| 11 | 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. | 3.9 | 78 |
| 12 | Kinetic and microbiological characterization of aerobic granules performing partial nitritation of a low-strength wastewater at 10ÂÂ°C. Water Research, 2016, 101, 147-156. | 5.3 | 96 |
| 13 | Denitritation in an anoxic granular reactor using phenol as sole organic carbon source. Chemical Engineering Journal, 2016, 288, 289-297. | 6.6 | 32 |
| 14 | 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. | 1.8 | 46 |
| 15 | 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. | 6.5 | 20 |
| 16 | Inhibition of the anammox activity by aromatic compounds. Chemical Engineering Journal, 2015, 279, 681-688. | 6.6 | 31 |
| 17 | Microbial community shifts on an anammox reactor after a temperature shock using 454-pyrosequencing analysis. Bioresource Technology, 2015, 181, 207-213. | 4.8 | 92 |
| 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. | 3.3 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Assessment of crude glycerol for Enhanced Biological Phosphorus Removal: Stability and role of long chain fatty acids. Chemosphere, 2015, 141, 50-56. | 4.2 | 11 |
| 20 | 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. | 1.9 | 12 |
| 21 | 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. | 4.8 | 88 |
| 22 | 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. | 4.6 | 17 |
| 23 | 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. | 4.8 | 18 |
| 24 | Environmental Assessment of Sewer Construction in Small to Medium Sized Cities Using Life Cycle Assessment. Water Resources Management, 2014, 28, 979-997. | 1.9 | 47 |
| 25 | Partial nitritation and o-cresol removal with aerobic granular biomass in a continuous airlift reactor. Water Research, 2014, 48, 354-362. | 5.3 | 63 |
| 26 | 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. | 4.6 | 40 |
| 27 | Closed-loop control of ammonium concentration in nitritation: Convenient for reactor operation but also for modeling. Bioresource Technology, 2013, 128, 655-663. | 4.8 | 33 |
| 28 | Aerobic biodegradation of a mixture of monosubstituted phenols in a sequencing batch reactor. Journal of Hazardous Materials, 2013, 260, 563-568. | 6.5 | 19 |
| 29 | Simultaneous nitritation and p-nitrophenol removal using aerobic granular biomass in a continuous airlift reactor. Bioresource Technology, 2013, 150, 307-313. | 4.8 | 41 |
| 30 | 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. | 6.6 | 72 |
| 31 | Bioaugmentation for treating transient or continuous p-nitrophenol shock loads in an aerobic sequencing batch reactor. Bioresource Technology, 2012, 123, 150-156. | 4.8 | 40 |
| 32 | 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. | 10.8 | 68 |
| 33 | Kinetics of aerobic biodegradation of dihydroxybenzenes by a p-nitrophenol-degrading activated sludge. Bioresource Technology, 2012, 110, 57-62. | 4.8 | 28 |
| 34 | Characterization of a pâ€nitrophenolâ€degrading mixed culture with an improved methodology of fluorescence in situ hybridization and confocal laser scanning microscopy. Journal of Chemical Technology and Biotechnology, 2011, 86, 1405-1412. | 1.6 | 8 |
| 35 | Modelling the pH dependence of the kinetics of aerobic p-nitrophenol biodegradation. Journal of Hazardous Materials, 2011, 186, 1947-1953. | 6.5 | 17 |
| 36 | Inhibitory impact of quinone-like compounds over partial nitrification. Chemosphere, 2010, 80, 474-480. | 4.2 | 10 |

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|---|---|---|---|
| 37 | 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. | 6.6 | 4 |
| 38 | Enrichment of a K-strategist microbial population able to biodegrade p-nitrophenol in a sequencing batch reactor. Water Research, 2009, 43, 3871-3883. | 5.3 | 44 |
| 39 | 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. | 6.6 | 31 |
| 40 | Phenol wastewater remediation: advanced oxidation processes coupled to a biological treatment. Water Science and Technology, 2007, 55, 221-227. | 1.2 | 29 |
| 41 | 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. | 4.2 | 45 |
| 42 | Biodegradability enhancement of phenolic compounds by Hydrogen Peroxide Promoted Catalytic Wet Air Oxidation. Catalysis Today, 2007, 124, 191-197. | 2.2 | 27 |
| 43 | 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. | 6.6 | 54 |
| 44 | Catalytic and non-catalytic wet air oxidation of sodium dodecylbenzene sulfonate: Kinetics and biodegradability enhancement. Journal of Hazardous Materials, 2007, 144, 655-662. | 6.5 | 12 |
| 45 | Chemical Wet Oxidation for the Abatement of Refractory Non-Biodegradable Organic Wastewater Pollutants. Chemical Engineering Research and Design, 2005, 83, 371-380. | 2.7 | 33 |
| 46 | Catalytic wet air oxidation of substituted phenols using activated carbon as catalyst. Applied Catalysis B: Environmental, 2005, 58, 105-114. | 10.8 | 108 |