Sandra Rr Esteves

List of Publications by Year
in descending order

38 papers	2,034 citations	279798 23 h-index	377865 34 g-index
40 all docs	40 docs citations	40 times ranked	2930 citing authors

#	Article	IF	Citations
1	Fate of antibiotic resistant E. coli and antibiotic resistance genes during full scale conventional and advanced anaerobic digestion of sewage sludge. PLoS ONE, 2020, 15, e0237283.	2.5	18
2	Title is missing!. , 2020, 15, e0237283.		0
3	Title is missing!. , 2020, 15, e0237283.		0
4	Title is missing!. , 2020, 15, e0237283.		0
5	Title is missing!. , 2020, 15, e0237283.		0
6	Methanogenic capacity and robustness of hydrogenotrophic cultures based on closed nutrient recycling via microbial catabolism: Impact of temperature and microbial attachment. Bioresource Technology, 2018, 257, 164-171.	9.6	21
7	Using microalgae in the circular economy to valorise anaerobic digestate: challenges and opportunities. Bioresource Technology, 2018, 267, 732-742.	9.6	159
8	Third generation poly(hydroxyacid) composite scaffolds for tissue engineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 1667-1684.	3.4	64
9	Biomineralization potential and cellular response of PHB and PHBV blends with natural anionic polysaccharides. Materials Science and Engineering C, 2017, 76, 13-24.	7.3	26
10	Biological methanation of CO2 in a novel biofilm plug-flow reactor: A high rate and low parasitic energy process. Applied Energy, 2017, 202, 238-247.	10.1	75
11	Enhancement of microbial density and methane production in advanced anaerobic digestion of secondary sewage sludge by continuous removal of ammonia. Bioresource Technology, 2017, 232, 380-388.	9.6	55
12	Closed nutrient recycling via microbial catabolism in an eco-engineered self regenerating mixed anaerobic microbiome for hydrogenotrophic methanogenesis. Bioresource Technology, 2017, 227, 93-101.	9.6	21
13	Integration of Power to Methane in a waste water treatment plant â€“ A feasibility study. Bioresource Technology, 2017, 245, 1049-1057.	9.6	12
14	The potential use of shear viscosity to monitor polymer conditioning of sewage sludge digestates. Water Research, 2016, 105, 320-330.	11.3	11
15	Volatile fatty acids platform from thermally hydrolysed secondary sewage sludge enhanced through recovered micronutrients from digested sludge. Water Research, 2016, 100, 267-276.	11.3	13
16	Recovery and concentration of thermally hydrolysed waste activated sludge derived volatile fatty acids and nutrients by microfiltration, electrodialysis and struvite precipitation for polyhydroxyalkanoates production. Chemical Engineering Journal, 2016, 295, 11-19.	12.7	68
17	Enrichment strategy for enhanced bioelectrochemical hydrogen production and the prevention of methanogenesis. International Journal of Hydrogen Energy, 2016, 41, 4120-4131.	7.1	16
18	Evaluation of feeding regimes to enhance PHA production using acetic and butyric acids by a pure culture of Cupriavidus necator. Biotechnology and Bioprocess Engineering, 2014, 19, 989-995.	2.6	24

#	Article	IF	Citations
19	Life cycle assessment of the electrolytic production and utilization of low carbon hydrogen vehicle fuel. International Journal of Hydrogen Energy, 2014, 39, 7190-7201.	7.1	16
20	The use of NaCl addition for the improvement of polyhydroxyalkanoate production by Cupriavidus necator. Bioresource Technology, 2014, 163, 287-294.	9.6	41
21	An improved titration model reducing over estimation of total volatile fatty acids in anaerobic digestion of energy crop, animal slurry and food waste. Water Research, 2014, 61, 162-170.	11.3	53
22	Integration of NIRS and PCA techniques for the process monitoring of a sewage sludge anaerobic digester. Bioresource Technology, 2013, 133, 398-404.	9.6	27
23	Monitoring methanogenic population dynamics in a full-scale anaerobic digester to facilitate operational management. Bioresource Technology, 2013, 140, 234-242.	9.6	70
24	Increasing polyhydroxyalkanoate (PHA) yields from Cupriavidus necator by using filtered digestate liquors. Bioresource Technology, 2013, 147, 345-352.	9.6	51
25	Integration of biohydrogen, biomethane and bioelectrochemical systems. Renewable Energy, 2013, 49, 188-192.	8.9	64
26	Addressing the challenge of optimum polyhydroxyalkanoate harvesting: Monitoring real time process kinetics and biopolymer accumulation using dielectric spectroscopy. Bioresource Technology, 2013, 134, 143-150.	9.6	15
27	Life cycle assessment of biohydrogen and biomethane production and utilisation as a vehicle fuel. Bioresource Technology, 2013, 131, 235-245.	9.6	63
28	First international comparative study of volatile fatty acids in aqueous samples by chromatographic techniques: Evaluating sources of error. TrAC - Trends in Analytical Chemistry, 2013, 51, 127-143.	11.4	34
29	The effect of physico-chemically immobilized methylene blue and neutral red on the anode of microbial fuel cell. Biotechnology and Bioprocess Engineering, 2012, 17, 361-370.	2.6	43
30	Performance parameter prediction for sewage sludge digesters using reflectance FT-NIR spectroscopy. Water Research, 2011, 45, 2463-2472.	11.3	25
31	An evaluation of the policy and techno-economic factors affecting the potential for biogas upgrading for transport fuel use in the UK. Energy Policy, 2011, 39, 1806-1816.	8.8	233
32	The effect of acid pretreatment on the anaerobic digestion and dewatering of waste activated sludge. Bioresource Technology, 2011, 102, 4076-4082.	9.6	219
33	Life cycle assessment of biogas infrastructure options on a regional scale. Bioresource Technology, 2011, 102, 7313-7323.	9.6	123
34	Production of hydrogen from sewage biosolids in a continuously fed bioreactor: Effect of hydraulic retention time and sparging. International Journal of Hydrogen Energy, 2010, 35, 469-478.	7.1	49
35	Influence of catholyte pH and temperature on hydrogen production from acetate using a two chamber concentric tubular microbial electrolysis cell. International Journal of Hydrogen Energy, 2010, 35, 7716-7722.	7.1	101
36	ADM1 can be applied to continuous bio-hydrogen production using a variable stoichiometry approach. Water Research, 2008, 42, 4379-4385.	11.3	52

#	Article	IF	Citations
37	Review of Energy Balances and Emissions Associated with Biomass-Based Transport Fuels Relevant to the United Kingdom Context. Energy & Fuels, 2008, 22, 3506-3512.	5.1	33
38	Anaerobicâ€“aerobic biotreatment of simulated textile effluent containing varied ratios of starch and azo dye. Water Research, 2000, 34, 2355-2361.	11.3	139