

Sandra Rr Esteves

List of Publications by Year in descending order

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Version: 2024-02-01

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	An evaluation of the policy and techno-economic factors affecting the potential for biogas upgrading for transport fuel use in the UK. <i>Energy Policy</i> , 2011, 39, 1806-1816.	8.8	233
2	The effect of acid pretreatment on the anaerobic digestion and dewatering of waste activated sludge. <i>Bioresource Technology</i> , 2011, 102, 4076-4082.	9.6	219
3	Using microalgae in the circular economy to valorise anaerobic digestate: challenges and opportunities. <i>Bioresource Technology</i> , 2018, 267, 732-742.	9.6	159
4	Anaerobic-aerobic biotreatment of simulated textile effluent containing varied ratios of starch and azo dye. <i>Water Research</i> , 2000, 34, 2355-2361.	11.3	139
5	Life cycle assessment of biogas infrastructure options on a regional scale. <i>Bioresource Technology</i> , 2011, 102, 7313-7323.	9.6	123
6	Influence of catholyte pH and temperature on hydrogen production from acetate using a two chamber concentric tubular microbial electrolysis cell. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 7716-7722.	7.1	101
7	Biological methanation of CO ₂ in a novel biofilm plug-flow reactor: A high rate and low parasitic energy process. <i>Applied Energy</i> , 2017, 202, 238-247.	10.1	75
8	Monitoring methanogenic population dynamics in a full-scale anaerobic digester to facilitate operational management. <i>Bioresource Technology</i> , 2013, 140, 234-242.	9.6	70
9	Recovery and concentration of thermally hydrolysed waste activated sludge derived volatile fatty acids and nutrients by microfiltration, electro dialysis and struvite precipitation for polyhydroxyalkanoates production. <i>Chemical Engineering Journal</i> , 2016, 295, 11-19.	12.7	68
10	Integration of biohydrogen, biomethane and bioelectrochemical systems. <i>Renewable Energy</i> , 2013, 49, 188-192.	8.9	64
11	Third generation poly(hydroxyacid) composite scaffolds for tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 1667-1684.	3.4	64
12	Life cycle assessment of biohydrogen and biomethane production and utilisation as a vehicle fuel. <i>Bioresource Technology</i> , 2013, 131, 235-245.	9.6	63
13	Enhancement of microbial density and methane production in advanced anaerobic digestion of secondary sewage sludge by continuous removal of ammonia. <i>Bioresource Technology</i> , 2017, 232, 380-388.	9.6	55
14	An improved titration model reducing over estimation of total volatile fatty acids in anaerobic digestion of energy crop, animal slurry and food waste. <i>Water Research</i> , 2014, 61, 162-170.	11.3	53
15	ADM1 can be applied to continuous bio-hydrogen production using a variable stoichiometry approach. <i>Water Research</i> , 2008, 42, 4379-4385.	11.3	52
16	Increasing polyhydroxyalkanoate (PHA) yields from <i>Cupriavidus necator</i> by using filtered digestate liquors. <i>Bioresource Technology</i> , 2013, 147, 345-352.	9.6	51
17	Production of hydrogen from sewage biosolids in a continuously fed bioreactor: Effect of hydraulic retention time and sparging. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 469-478.	7.1	49
18	The effect of physico-chemically immobilized methylene blue and neutral red on the anode of microbial fuel cell. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 361-370.	2.6	43

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19	The use of NaCl addition for the improvement of polyhydroxyalkanoate production by <i>Cupriavidus necator</i> . <i>Bioresource Technology</i> , 2014, 163, 287-294.	9.6	41
20	First international comparative study of volatile fatty acids in aqueous samples by chromatographic techniques: Evaluating sources of error. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 51, 127-143.	11.4	34
21	Review of Energy Balances and Emissions Associated with Biomass-Based Transport Fuels Relevant to the United Kingdom Context. <i>Energy & Fuels</i> , 2008, 22, 3506-3512.	5.1	33
22	Integration of NIRS and PCA techniques for the process monitoring of a sewage sludge anaerobic digester. <i>Bioresource Technology</i> , 2013, 133, 398-404.	9.6	27
23	Biom mineralization potential and cellular response of PHB and PHBV blends with natural anionic polysaccharides. <i>Materials Science and Engineering C</i> , 2017, 76, 13-24.	7.3	26
24	Performance parameter prediction for sewage sludge digesters using reflectance FT-NIR spectroscopy. <i>Water Research</i> , 2011, 45, 2463-2472.	11.3	25
25	Evaluation of feeding regimes to enhance PHA production using acetic and butyric acids by a pure culture of <i>Cupriavidus necator</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 989-995.	2.6	24
26	Closed nutrient recycling via microbial catabolism in an eco-engineered self regenerating mixed anaerobic microbiome for hydrogenotrophic methanogenesis. <i>Bioresource Technology</i> , 2017, 227, 93-101.	9.6	21
27	Methanogenic capacity and robustness of hydrogenotrophic cultures based on closed nutrient recycling via microbial catabolism: Impact of temperature and microbial attachment. <i>Bioresource Technology</i> , 2018, 257, 164-171.	9.6	21
28	Fate of antibiotic resistant <i>E. coli</i> and antibiotic resistance genes during full scale conventional and advanced anaerobic digestion of sewage sludge. <i>PLoS ONE</i> , 2020, 15, e0237283.	2.5	18
29	Life cycle assessment of the electrolytic production and utilization of low carbon hydrogen vehicle fuel. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 7190-7201.	7.1	16
30	Enrichment strategy for enhanced bioelectrochemical hydrogen production and the prevention of methanogenesis. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4120-4131.	7.1	16
31	Addressing the challenge of optimum polyhydroxyalkanoate harvesting: Monitoring real time process kinetics and biopolymer accumulation using dielectric spectroscopy. <i>Bioresource Technology</i> , 2013, 134, 143-150.	9.6	15
32	Volatile fatty acids platform from thermally hydrolysed secondary sewage sludge enhanced through recovered micronutrients from digested sludge. <i>Water Research</i> , 2016, 100, 267-276.	11.3	13
33	Integration of Power to Methane in a waste water treatment plant – A feasibility study. <i>Bioresource Technology</i> , 2017, 245, 1049-1057.	9.6	12
34	The potential use of shear viscosity to monitor polymer conditioning of sewage sludge digestates. <i>Water Research</i> , 2016, 105, 320-330.	11.3	11
35	Title is missing!. , 2020, 15, e0237283.		0
36	Title is missing!. , 2020, 15, e0237283.		0

#	ARTICLE	IF	CITATIONS
37	Title is missing!. , 2020, 15, e0237283.		0
38	Title is missing!. , 2020, 15, e0237283.		0