

Stephan Tait

List of Publications by Year in descending order

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32
papers

2,157
citations

331642

21
h-index

454934

30
g-index

33
all docs

33
docs citations

33
times ranked

2574
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing a food waste biorefinery: Lactic acid extraction using anionic resin and impacts on downstream biogas production. <i>Chemical Engineering Journal</i> , 2022, 431, 133243.	12.7	12
2	Nutrient recovery from water and wastewater. , 2022, , 245-293.		0
3	Biomass production of marine microalga <i>Tetraselmis suecica</i> using biogas and wastewater as nutrients. <i>Biomass and Bioenergy</i> , 2021, 145, 105945.	5.7	22
4	Lactic acid from mixed food wastes at a commercial biogas facility: Effect of feedstock and process conditions. <i>Journal of Cleaner Production</i> , 2021, 284, 125243.	9.3	18
5	Biogas recovery by anaerobic digestion of Australian agro-industry waste: A review. <i>Journal of Cleaner Production</i> , 2021, 299, 126876.	9.3	35
6	Autotrophic sulfide removal by mixed culture purple phototrophic bacteria. <i>Water Research</i> , 2020, 182, 115896.	11.3	13
7	Impact of Storage Conditions on the Methanogenic Activity of Anaerobic Digestion Inocula. <i>Water (Switzerland)</i> , 2020, 12, 1321.	2.7	20
8	Microbial electrochemical sensors for volatile fatty acid measurement in high strength wastewaters: A review. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112409.	10.1	23
9	Identification and analysis of organic waste produced from Australian intensive livestock industries: opportunities for aggregation and treatment via co-digestion. , 2019, , .		2
10	Ammonia stress on a resilient mesophilic anaerobic inoculum: Methane production, microbial community, and putative metabolic pathways. <i>Bioresource Technology</i> , 2019, 275, 70-77.	9.6	53
11	Oxidative capacitance of sulfate-based boron-doped diamond electrochemical system. <i>Electrochemistry Communications</i> , 2018, 89, 14-18.	4.7	14
12	Simultaneous treatment and single cell protein production from agri-industrial wastewaters using purple phototrophic bacteria or microalgae – A comparison. <i>Bioresource Technology</i> , 2018, 254, 214-223.	9.6	144
13	White and infrared light continuous photobioreactors for resource recovery from poultry processing wastewater – A comparison. <i>Water Research</i> , 2018, 144, 665-676.	11.3	64
14	Assessment of the impact of chloride on the formation of chlorinated by-products in the presence and absence of electrochemically activated sulfate. <i>Chemical Engineering Journal</i> , 2017, 330, 1265-1271.	12.7	58
15	Modelling phosphorus (P), sulfur (S) and iron (Fe) interactions for dynamic simulations of anaerobic digestion processes. <i>Water Research</i> , 2016, 95, 370-382.	11.3	113
16	Validation of a plant-wide phosphorus modelling approach with minerals precipitation in a full-scale WWTP. <i>Water Research</i> , 2016, 100, 169-183.	11.3	63
17	A systematic study of multiple minerals precipitation modelling in wastewater treatment. <i>Water Research</i> , 2015, 85, 359-370.	11.3	66
18	A plant-wide aqueous phase chemistry module describing pH variations and ion speciation/pairing in wastewater treatment process models. <i>Water Research</i> , 2015, 85, 255-265.	11.3	59

#	ARTICLE	IF	CITATIONS
19	The precipitation and solubility of aluminium hydroxyfluoride hydrate between 30 and 70°C. Hydrometallurgy, 2015, 155, 79-87.	4.3	32
20	Removal of Persistent Organic Contaminants by Electrochemically Activated Sulfate. Environmental Science & Technology, 2015, 49, 14326-14333.	10.0	240
21	Effects of ionic strength and ion pairing on (plant-wide) modelling of anaerobic digestion. Water Research, 2015, 70, 235-245.	11.3	59
22	Technologies to Recover Nutrients from Waste Streams: A Critical Review. Critical Reviews in Environmental Science and Technology, 2015, 45, 385-427.	12.8	331
23	A generalised chemical precipitation modelling approach in wastewater treatment applied to calcite. Water Research, 2015, 68, 342-353.	11.3	96
24	Breakage and growth towards a stable aerobic granule size during the treatment of wastewater. Water Research, 2013, 47, 5338-5349.	11.3	80
25	The critical flux method for reduced filter membrane fouling when monitoring high-solids digesters. Biotechnology Progress, 2013, 29, 1059-1063.	2.6	2
26	Towards a generalized physicochemical framework. Water Science and Technology, 2012, 66, 1147-1161.	2.5	65
27	Managing the reverse osmosis concentrate from the Western Corridor Recycled Water Scheme. Water Practice and Technology, 2010, 5, .	2.0	20
28	Anaerobic digestion of spent bedding from deep litter piggery housing. Bioresource Technology, 2009, 100, 2210-2218.	9.6	62
29	A Study on Nucleation for Protein Crystallization in Mixed Vessels. Crystal Growth and Design, 2009, 9, 2198-2206.	3.0	29
30	Removal of sulfate from high-strength wastewater by crystallisation. Water Research, 2009, 43, 762-772.	11.3	92
31	Mechanical Characterization of Protein Crystals. Particle and Particle Systems Characterization, 2008, 25, 266-276.	2.3	28
32	Decreasing activated sludge thermal hydrolysis temperature reduces product colour, without decreasing degradability. Water Research, 2008, 42, 4699-4709.	11.3	242