

# Stephan Tait

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Technologies to Recover Nutrients from Waste Streams: A Critical Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 385-427.	12.8	331
2	Decreasing activated sludge thermal hydrolysis temperature reduces product colour, without decreasing degradability. <i>Water Research</i> , 2008, 42, 4699-4709.	11.3	242
3	Removal of Persistent Organic Contaminants by Electrochemically Activated Sulfate. <i>Environmental Science &amp; Technology</i> , 2015, 49, 14326-14333.	10.0	240
4	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
5	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
6	A generalised chemical precipitation modelling approach in wastewater treatment applied to calcite. <i>Water Research</i> , 2015, 68, 342-353.	11.3	96
7	Removal of sulfate from high-strength wastewater by crystallisation. <i>Water Research</i> , 2009, 43, 762-772.	11.3	92
8	Breakage and growth towards a stable aerobic granule size during the treatment of wastewater. <i>Water Research</i> , 2013, 47, 5338-5349.	11.3	80
9	A systematic study of multiple minerals precipitation modelling in wastewater treatment. <i>Water Research</i> , 2015, 85, 359-370.	11.3	66
10	Towards a generalized physicochemical framework. <i>Water Science and Technology</i> , 2012, 66, 1147-1161.	2.5	65
11	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
12	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
13	Anaerobic digestion of spent bedding from deep litter piggery housing. <i>Bioresource Technology</i> , 2009, 100, 2210-2218.	9.6	62
14	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
15	Effects of ionic strength and ion pairing on (plant-wide) modelling of anaerobic digestion. <i>Water Research</i> , 2015, 70, 235-245.	11.3	59
16	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
17	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
18	Biogas recovery by anaerobic digestion of Australian agro-industry waste: A review. <i>Journal of Cleaner Production</i> , 2021, 299, 126876.	9.3	35

#	ARTICLE	IF	CITATIONS
19	The precipitation and solubility of aluminium hydroxyfluoride hydrate between 30 and 70Å°C. Hydrometallurgy, 2015, 155, 79-87.	4.3	32
20	A Study on Nucleation for Protein Crystallization in Mixed Vessels. Crystal Growth and Design, 2009, 9, 2198-2206.	3.0	29
21	Mechanical Characterization of Protein Crystals. Particle and Particle Systems Characterization, 2008, 25, 266-276.	2.3	28
22	Microbial electrochemical sensors for volatile fatty acid measurement in high strength wastewaters: A review. Biosensors and Bioelectronics, 2020, 165, 112409.	10.1	23
23	Biomass production of marine microalga Tetraselmis suecica using biogas and wastewater as nutrients. Biomass and Bioenergy, 2021, 145, 105945.	5.7	22
24	Managing the reverse osmosis concentrate from the Western Corridor Recycled Water Scheme. Water Practice and Technology, 2010, 5, .	2.0	20
25	Impact of Storage Conditions on the Methanogenic Activity of Anaerobic Digestion Inocula. Water (Switzerland), 2020, 12, 1321.	2.7	20
26	Lactic acid from mixed food wastes at a commercial biogas facility: Effect of feedstock and process conditions. Journal of Cleaner Production, 2021, 284, 125243.	9.3	18
27	Oxidative capacitance of sulfate-based boron-doped diamond electrochemical system. Electrochemistry Communications, 2018, 89, 14-18.	4.7	14
28	Autotrophic sulfide removal by mixed culture purple phototrophic bacteria. Water Research, 2020, 182, 115896.	11.3	13
29	Developing a food waste biorefinery: Lactic acid extraction using anionic resin and impacts on downstream biogas production. Chemical Engineering Journal, 2022, 431, 133243.	12.7	12
30	The critical flux method for reduced filter membrane fouling when monitoring highâ€ solids digesters. Biotechnology Progress, 2013, 29, 1059-1063.	2.6	2
31	Identification and analysis of organic waste produced from Australian intensive livestock industries: opportunities for aggregation and treatment via co-digestion. , 2019, , .		2
32	Nutrient recovery from water and wastewater. , 2022, , 245-293.		0