

Xavier Alexis Walter

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Microbial fuel cell scale-up options: Performance evaluation of membrane (c-MFC) and membrane-less (s-MFC) systems under different feeding regimes. <i>Journal of Power Sources</i> , 2022, 520, 230875.	4.0	30
2	Phototrophic microbial fuel cells. , 2022, , 699-727.		0
3	Microbial fuel cells directly powering a microcomputer. <i>Journal of Power Sources</i> , 2020, 446, 227328.	4.0	53
4	Scaling up self-stratifying supercapacitive microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 25240-25248.	3.8	12
5	From the lab to the field: Self-stratifying microbial fuel cells stacks directly powering lights. <i>Applied Energy</i> , 2020, 277, 115514.	5.1	42
6	Air-breathing cathode self-powered supercapacitive microbial fuel cell with human urine as electrolyte. <i>Electrochimica Acta</i> , 2020, 353, 136530.	2.6	10
7	Scalability and stacking of self-stratifying microbial fuel cells treating urine. <i>Bioelectrochemistry</i> , 2020, 133, 107491.	2.4	31
8	Urine in Bioelectrochemical Systems: An Overall Review. <i>ChemElectroChem</i> , 2020, 7, 1312-1331.	1.7	43
9	Self-stratifying microbial fuel cell: The importance of the cathode electrode immersion height. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4524-4532.	3.8	40
10	Scalability of self-stratifying microbial fuel cell: Towards height miniaturisation. <i>Bioelectrochemistry</i> , 2019, 127, 68-75.	2.4	22
11	Self-stratified and self-powered micro-supercapacitor integrated into a microbial fuel cell operating in human urine. <i>Electrochimica Acta</i> , 2019, 307, 241-252.	2.6	38
12	Binder materials for the cathodes applied to self-stratifying membraneless microbial fuel cell. <i>Bioelectrochemistry</i> , 2018, 123, 119-124.	2.4	26
13	PEE POWER® urinal II " Urinal scale-up with microbial fuel cell scale-down for improved lighting. <i>Journal of Power Sources</i> , 2018, 392, 150-158.	4.0	106
14	Urine transduction to usable energy: A modular MFC approach for smartphone and remote system charging. <i>Applied Energy</i> , 2017, 192, 575-581.	5.1	102
15	On hybrid circuits exploiting thermistive properties of slime mould. <i>Scientific Reports</i> , 2016, 6, 23924.	1.6	5
16	Scaling-up of a novel, simplified MFC stack based on a self-stratifying urine column. <i>Biotechnology for Biofuels</i> , 2016, 9, 93.	6.2	67
17	From single MFC to cascade configuration: The relationship between size, hydraulic retention time and power density. <i>Sustainable Energy Technologies and Assessments</i> , 2016, 14, 74-79.	1.7	52