

Xavier Alexis Walter

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

679
citations

687220

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940416

16
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17
all docs

17
docs citations

17
times ranked

578
citing authors

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