

Wei-Eng Thung

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,076
citations

759055

12
h-index

610775

24
g-index

25
all docs

25
docs citations

25
times ranked

912
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid system up-flow constructed wetland integrated with microbial fuel cell for simultaneous wastewater treatment and electricity generation. <i>Bioresource Technology</i> , 2015, 186, 270-275.	4.8	196
2	Role of macrophyte and effect of supplementary aeration in up-flow constructed wetland-microbial fuel cell for simultaneous wastewater treatment and energy recovery. <i>Bioresource Technology</i> , 2017, 224, 265-275.	4.8	138
3	Synergistic effect of up-flow constructed wetland and microbial fuel cell for simultaneous wastewater treatment and energy recovery. <i>Bioresource Technology</i> , 2016, 203, 190-197.	4.8	113
4	Constructed wetland-microbial fuel cell for azo dyes degradation and energy recovery: Influence of molecular structure, kinetics, mechanisms and degradation pathways. <i>Science of the Total Environment</i> , 2020, 720, 137370.	3.9	100
5	A highly efficient single chambered up-flow membrane-less microbial fuel cell for treatment of azo dye Acid Orange 7-containing wastewater. <i>Bioresource Technology</i> , 2015, 197, 284-288.	4.8	75
6	Microbial fuel cell operation using monoazo and diazo dyes as terminal electron acceptor for simultaneous decolourisation and bioelectricity generation. <i>Journal of Hazardous Materials</i> , 2017, 325, 170-177.	6.5	67
7	Up-flow constructed wetland-microbial fuel cell for azo dye, saline, nitrate remediation and bioelectricity generation: From waste to energy approach. <i>Bioresource Technology</i> , 2018, 266, 97-108.	4.8	67
8	Disclosing the synergistic mechanisms of azo dye degradation and bioelectricity generation in a microbial fuel cell. <i>Chemical Engineering Journal</i> , 2018, 344, 236-245.	6.6	64
9	Biodegradation of Acid Orange 7 in a combined anaerobic-aerobic up-flow membrane-less microbial fuel cell: Mechanism of biodegradation and electron transfer. <i>Chemical Engineering Journal</i> , 2018, 336, 397-405.	6.6	59
10	Up-flow constructed wetland-microbial fuel cell: Influence of floating plant, aeration and circuit connection on wastewater treatment performance and bioelectricity generation. <i>Journal of Water Process Engineering</i> , 2020, 36, 101371.	2.6	49
11	Simultaneous Wastewater Treatment and Power Generation with Innovative Design of an Upflow Membrane-Less Microbial Fuel Cell. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	24
12	Long-term operation of double chambered microbial fuel cell for bio-electro denitrification. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 893-900.	1.7	23
13	The reaction of wastewater treatment and power generation of single chamber microbial fuel cell against substrate concentration and anode distributions. <i>Journal of Environmental Health Science & Engineering</i> , 2020, 18, 793-807.	1.4	15
14	Microbial fuel cell operation using nitrate as terminal electron acceptor for simultaneous organic and nutrient removal. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 2435-2442.	1.8	14
15	Sustainable green technology on wastewater treatment: The evaluation of enhanced single chambered up-flow membrane-less microbial fuel cell. <i>Journal of Environmental Sciences</i> , 2018, 66, 295-300.	3.2	13
16	Innovative baffled microbial fuel cells for azo dye degradation: Interactive mechanisms of electron transport and degradation pathway. <i>Journal of Cleaner Production</i> , 2021, 295, 126366.	4.6	13
17	Biotreatment of sulfonated dyestuffs with energy recovery in microbial fuel cell: Influencing parameters, kinetics, degradation pathways, mechanisms, and phytotoxicity assessment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105525.	3.3	9
18	Bioelectricity Generation in Batch-Fed Up-Flow Membrane-Less Microbial Fuel Cell: Effect of Surface Morphology of Carbon Materials as Aqueous Biocathodes. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	7

#	ARTICLE	IF	CITATIONS
19	Multiple aerobic and anaerobic baffled constructed wetlands for simultaneous nitrogen and organic compounds removal. <i>Desalination and Water Treatment</i> , 2016, 57, 29160-29167.	1.0	6
20	Decolourization and mineralization of Acid Red 27 metabolites by using multiple zoned aerobic and anaerobic constructed wetland reactor. , 0, 160, 81-93.		6
21	Decolorization and mineralization of Amaranth dye using multiple zoned aerobic and anaerobic baffled constructed wetland. <i>International Journal of Phytoremediation</i> , 2017, 19, 725-731.	1.7	5
22	Polypropylene biofilm carrier and fabricated stainless steel mesh supporting activated carbon: Integrated configuration for performances enhancement of microbial fuel cell. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 46, 101268.	1.7	5
23	Enhancement of mass and charge transport in scaled-up microbial fuel cell by using innovative configuration of bioanode. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 8175-8184.	1.8	4
24	Pilot scale single chamber up-flow membrane-less microbial fuel cell for wastewater treatment and electricity generation. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
25	Simultaneous heavy metal reduction and voltage generation with synergy membrane-less microbial fuel cell. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012067.	0.2	1