Heyang Yuan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2228099/publications.pdf

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24	1,807	361413	580821
papers	citations	20	25
		h-index	g-index

28	28	28	2374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Emerging investigator series: modeling of wastewater treatment bioprocesses: current development and future opportunities. Environmental Science: Water Research and Technology, 2022, 8, 208-225.	2.4	7
2	Electrically charged forward osmosis: Promoting reverse salt flux to enhance water recovery and struvite precipitation. Resources, Conservation and Recycling, 2022, 186, 106522.	10.8	8
3	Linking population dynamics to microbial kinetics for hybrid modeling of bioelectrochemical systems. Water Research, 2021, 202, 117418.	11.3	8
4	Life cycle assessment of a microbial desalination cell for sustainable wastewater treatment and saline water desalination. Journal of Cleaner Production, 2018, 200, 900-910.	9.3	47
5	Bioelectricity generation from treatment of petroleum refinery wastewater with simultaneous seawater desalination in microbial desalination cells. Energy Conversion and Management, 2017, 141, 101-107.	9.2	59
6	Platinum Group Metalâ€“free Catalysts for Hydrogen Evolution Reaction in Microbial Electrolysis Cells. Chemical Record, 2017, 17, 641-652.	5.8	36
7	Unravelling and Reconstructing the Nexus of Salinity, Electricity, and Microbial Ecology for Bioelectrochemical Desalination. Environmental Science & Technology, 2017, 51, 12672-12682.	10.0	30
8	Mainstream upflow nitritation-anammox system with hybrid anaerobic pretreatment: Long-term performance and microbial community dynamics. Water Research, 2017, 125, 298-308.	11.3	118
9	Microbial reduction of vanadium (V) in groundwater: Interactions with coexisting common electron acceptors and analysis of microbial community. Environmental Pollution, 2017, 231, 1362-1369.	7.5	96
10	Oxygen reduction reaction catalysts used in microbial fuel cells for energy-efficient wastewater treatment: a review. Materials Horizons, 2016, 3, 382-401.	12.2	322
11	Effects of electron acceptors on removal of antibiotic resistant Escherichia coli, resistance genes and class 1 integrons under anaerobic conditions. Science of the Total Environment, 2016, 569-570, 1587-1594.	8.0	43
12	Energy Consumption by Recirculation: A Missing Parameter When Evaluating Forward Osmosis. Environmental Science & Technology, 2016, 50, 6827-6829.	10.0	40
13	Nitrogen-doped graphene/CoNi alloy encased within bamboo-like carbon nanotube hybrids as cathode catalysts in microbial fuel cells. Journal of Power Sources, 2016, 307, 561-568.	7.8	128
14	Mathematical modeling assisted investigation of forward osmosis as pretreatment for microbial desalination cells to achieve continuous water desalination and wastewater treatment. Journal of Membrane Science, 2016, 502, 116-123.	8.2	44
15	When Bioelectrochemical Systems Meet Forward Osmosis: Accomplishing Wastewater Treatment and Reuse through Synergy. Water (Switzerland), 2015, 7, 38-50.	2.7	45
16	Enhancing desalination and wastewater treatment by coupling microbial desalination cells with forward osmosis. Chemical Engineering Journal, 2015, 270, 437-443.	12.7	88
17	Integrating membrane filtration into bioelectrochemical systems as next generation energy-efficient wastewater treatment technologies for water reclamation: A review. Bioresource Technology, 2015, 195, 202-209.	9.6	134
18	Porous Carbon Nanosheets Codoped with Nitrogen and Sulfur for Oxygen Reduction Reaction in Microbial Fuel Cells. ACS Applied Materials & Interfaces, 2015, 7, 18672-18678.	8.0	86

#	ARTICLE	IF	CITATIONS
19	Microbial desalination cells as a versatile technology: Functions, optimization and prospective. Desalination, 2015, 371, 9-17.	8.2	123
20	Bioelectrochemical production of hydrogen in an innovative pressure-retarded osmosis/microbial electrolysis cell system: experiments and modeling. Biotechnology for Biofuels, 2015, 8, 116.	6.2	21
21	Graphene-modified electrodes for enhancing the performance of microbial fuel cells. Nanoscale, 2015, 7, 7022-7029.	5.6	166
22	Facile Synthesis of MoS₂@CNT as an Effective Catalyst for Hydrogen Production in Microbial Electrolysis Cells. ChemElectroChem, 2014, 1, 1828-1833.	3.4	107
23	Effect of acclimation and nutrient supply on 5-tolyltriazole biodegradation with activated sludge communities. Bioresource Technology, 2014, 163, 381-385.	9.6	15
24	Determination of optimal conditions for 5-methyl-benzotriazole biodegradation with activated sludge communities by dilution of the inoculum. Science of the Total Environment, 2014, 487, 756-762.	8.0	9