Hitesh C Boghani

List of Publications by Year
in descending order

14	440	759233 12	1125743 13
papers	citations	h-index	g-index

14	14	14	530
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inhibition of methane production in microbial fuel cells: Operating strategies which select electrogens over methanogens. Bioresource Technology, 2014, 173, 75-81.	9.6	85
2	Controlling for peak power extraction from microbial fuel cells can increase stack voltage and avoid cell reversal. Journal of Power Sources, 2014, 269, 363-369.	7.8	56
3	Control of power sourced from a microbial fuel cell reduces its start-up time and increases bioelectrochemical activity. Bioresource Technology, 2013, 140, 277-285.	9.6	55
4	Porous anodes with helical flow pathways in bioelectrochemical systems: The effects of fluid dynamics and operating regimes. Journal of Power Sources, 2012, 213, 382-390.	7.8	49
5	The effect of internal capacitance on power quality and energy efficiency in a tubular microbial fuel cell. Process Biochemistry, 2014, 49, 973-980.	3.7	40
6	Control of microbial fuel cell voltage using a gain scheduling control strategy. Journal of Power Sources, 2016, 322, 106-115.	7.8	31
7	Maximum Power Point Tracking to Increase the Power Production and Treatment Efficiency of a Continuously Operated Flatâ€Plate Microbial Fuel Cell. Energy Technology, 2016, 4, 1427-1434.	3.8	24
8	Sampled-time control of a microbial fuel cell stack. Journal of Power Sources, 2017, 356, 338-347.	7.8	23
9	Detection of 4-Nitrophenol, a Model Toxic Compound, Using Multi-Stage Microbial Fuel Cells. Frontiers in Environmental Science, 2020, 8, .	3.3	18
10	Reducing the burden of food processing washdown wastewaters using microbial fuel cells. Biochemical Engineering Journal, 2017, 117, 210-217.	3.6	16
11	Bioelectrochemical treatment and recovery of copper from distillery waste effluents using power and voltage control strategies. Journal of Hazardous Materials, 2019, 371, 18-26.	12.4	14
12	Electricity Production by the Application of a Low Voltage DC-DC Boost Converter to a Continuously Operating Flat-Plate Microbial Fuel Cell. Energies, 2017, 10, 596.	3.1	12
13	Analysis of the dynamic performance of a microbial fuel cell using a system identification approach. Journal of Power Sources, 2013, 238, 218-226.	7.8	9
14	Scaling Up of MFCs: Challenges and Case Studies. , 2018, , 459-481.		8