Prathap Parameswaran

List of Publications by Year
in descending order

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21	1,589	430442	752256
papers	citations	18 h-index	20 g-index

21	21	21	1739
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selecting Anode-Respiring Bacteria Based on Anode Potential: Phylogenetic, Electrochemical, and Microscopic Characterization. Environmental Science & Technology, 2009, 43, 9519-9524.	4.6	442
2	Syntrophic interactions among anode respiring bacteria (ARB) and Nonâ€ARB in a biofilm anode: electron balances. Biotechnology and Bioengineering, 2009, 103, 513-523.	1.7	208
3	Microbial community structure in a biofilm anode fed with a fermentable substrate: The significance of hydrogen scavengers. Biotechnology and Bioengineering, 2010, 105, 69-78.	1.7	148
4	A Î¼L-scale micromachined microbial fuel cell having high power density. Lab on A Chip, 2011, 11, 1110.	3.1	126
5	Kinetic, Electrochemical, and Microscopic Characterization of the Thermophilic, Anode-Respiring Bacterium Thermincola ferriacetica. Environmental Science & Technology, 2013, 47, 4934-4940.	4.6	105
6	Hydrogen consumption in microbial electrochemical systems (MXCs): The role of homo-acetogenic bacteria. Bioresource Technology, 2011, 102, 263-271.	4.8	91
7	Effects of pulsed electric field treatment on enhancing lipid recovery from the microalga, Scenedesmus. Bioresource Technology, 2014, 173, 457-461.	4.8	67
8	Improved current and power density with a micro-scale microbial fuel cell due to a small characteristic length. Biosensors and Bioelectronics, 2014, 61, 587-592.	5.3	59
9	Feasibility of anaerobic co-digestion of pig waste and paper sludge. Bioresource Technology, 2012, 124, 163-168.	4.8	57
10	Effects of pre-fermentation and pulsed-electric-field treatment of primary sludge in microbial electrochemical cells. Bioresource Technology, 2015, 195, 83-88.	4.8	46
11	Characterization of Electrical Current-Generation Capabilities from Thermophilic Bacterium Thermoanaerobacter pseudethanolicus Using Xylose, Glucose, Cellobiose, or Acetate with Fixed Anode Potentials. Environmental Science & Technology, 2015, 49, 14725-14731.	4.6	42
12	Combining microbial cultures for efficient production of electricity from butyrate in a microbial electrochemical cell. Bioresource Technology, 2014, 169, 169-174.	4.8	31
13	Application of microbial electrolysis cells to treat spent yeast from an alcoholic fermentation. Bioresource Technology, 2016, 200, 342-349.	4.8	29
14	Selective fermentation of carbohydrate and protein fractions of Scenedesmus, and biohydrogenation of its lipid fraction for enhanced recovery of saturated fatty acids. Biotechnology and Bioengineering, 2016, 113, 320-329.	1.7	26
15	The role of homoacetogenic bacteria as efficient hydrogen scavengers in microbial electrochemical cells (MXCs). Water Science and Technology, 2012, 65, 1-6.	1.2	23
16	Relieving the fermentation inhibition enables high electron recovery from landfill leachate in a microbial electrolysis cell. RSC Advances, 2016, 6, 6658-6664.	1.7	23
17	Electrochemical techniques reveal that total ammonium stress increases electron flow to anode respiration in mixedâ€species bacterial anode biofilms. Biotechnology and Bioengineering, 2017, 114, 1151-1159.	1.7	21
18	Evaluating biochemical methane production from brewerâ€™s spent yeast. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 1195-1204.	1.4	19

#	Article	IF	Citations
19	Impact of Ammonium on Syntrophic Organohalide-Respiring and Fermenting Microbial Communities. MSphere, 2016, 1, .	1.3	14
20	Draft Genome Sequence of the Gram-Positive Thermophilic Iron Reducer Thermincola ferriacetica Strain Z-0001 ^T. Genome Announcements, 2015, 3, .	0.8	12
21	Application of Microbial Electrochemical Cells (MXCs) as Real- Time Sensors of Bioavailability from Sludge Pretreatment Technologies. Proceedings of the Water Environment Federation, 2015, 2015, 1-12.	0.0	0