

Prathap Parameswaran

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,589
citations

430442

18
h-index

752256

20
g-index

21
all docs

21
docs citations

21
times ranked

1739
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical techniques reveal that total ammonium stress increases electron flow to anode respiration in mixed-species bacterial anode biofilms. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1151-1159.	1.7	21
2	Evaluating biochemical methane production from brewer's spent yeast. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1195-1204.	1.4	19
3	Impact of Ammonium on Syntrophic Organohalide-Respiring and Fermenting Microbial Communities. <i>MSphere</i> , 2016, 1, .	1.3	14
4	Selective fermentation of carbohydrate and protein fractions of <i>Scenedesmus</i> , and biohydrogenation of its lipid fraction for enhanced recovery of saturated fatty acids. <i>Biotechnology and Bioengineering</i> , 2016, 113, 320-329.	1.7	26
5	Application of microbial electrolysis cells to treat spent yeast from an alcoholic fermentation. <i>Bioresource Technology</i> , 2016, 200, 342-349.	4.8	29
6	Relieving the fermentation inhibition enables high electron recovery from landfill leachate in a microbial electrolysis cell. <i>RSC Advances</i> , 2016, 6, 6658-6664.	1.7	23
7	Draft Genome Sequence of the Gram-Positive Thermophilic Iron Reducer <i>Thermincola ferriacetica</i> Strain Z-0001. <i>Genome Announcements</i> , 2015, 3, .	0.8	12
8	Characterization of Electrical Current-Generation Capabilities from Thermophilic Bacterium <i>Thermoanaerobacter pseudethanolicus</i> Using Xylose, Glucose, Cellobiose, or Acetate with Fixed Anode Potentials. <i>Environmental Science & Technology</i> , 2015, 49, 14725-14731.	4.6	42
9	Effects of pre-fermentation and pulsed-electric-field treatment of primary sludge in microbial electrochemical cells. <i>Bioresource Technology</i> , 2015, 195, 83-88.	4.8	46
10	Application of Microbial Electrochemical Cells (MXCs) as Real-Time Sensors of Bioavailability from Sludge Pretreatment Technologies. <i>Proceedings of the Water Environment Federation</i> , 2015, 2015, 1-12.	0.0	0
11	Effects of pulsed electric field treatment on enhancing lipid recovery from the microalga, <i>Scenedesmus</i> . <i>Bioresource Technology</i> , 2014, 173, 457-461.	4.8	67
12	Combining microbial cultures for efficient production of electricity from butyrate in a microbial electrochemical cell. <i>Bioresource Technology</i> , 2014, 169, 169-174.	4.8	31
13	Improved current and power density with a micro-scale microbial fuel cell due to a small characteristic length. <i>Biosensors and Bioelectronics</i> , 2014, 61, 587-592.	5.3	59
14	Kinetic, Electrochemical, and Microscopic Characterization of the Thermophilic, Anode-Respiring Bacterium <i>Thermincola ferriacetica</i> . <i>Environmental Science & Technology</i> , 2013, 47, 4934-4940.	4.6	105
15	Feasibility of anaerobic co-digestion of pig waste and paper sludge. <i>Bioresource Technology</i> , 2012, 124, 163-168.	4.8	57
16	The role of homoacetogenic bacteria as efficient hydrogen scavengers in microbial electrochemical cells (MXCs). <i>Water Science and Technology</i> , 2012, 65, 1-6.	1.2	23
17	A 1/4L-scale micromachined microbial fuel cell having high power density. <i>Lab on A Chip</i> , 2011, 11, 1110.	3.1	126
18	Hydrogen consumption in microbial electrochemical systems (MXCs): The role of homo-acetogenic bacteria. <i>Bioresource Technology</i> , 2011, 102, 263-271.	4.8	91

#	ARTICLE	IF	CITATIONS
19	Microbial community structure in a biofilm anode fed with a fermentable substrate: The significance of hydrogen scavengers. <i>Biotechnology and Bioengineering</i> , 2010, 105, 69-78.	1.7	148
20	Syntrophic interactions among anode respiring bacteria (ARB) and Non-ARB in a biofilm anode: electron balances. <i>Biotechnology and Bioengineering</i> , 2009, 103, 513-523.	1.7	208
21	Selecting Anode-Respiring Bacteria Based on Anode Potential: Phylogenetic, Electrochemical, and Microscopic Characterization. <i>Environmental Science & Technology</i> , 2009, 43, 9519-9524.	4.6	442