

Pravin Malla Shrestha

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

5,869
citations

257450

24
h-index

477307

29
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31
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31
docs citations

31
times ranked

4518
citing authors

#	ARTICLE	IF	CITATIONS
1	A new model for electron flow during anaerobic digestion: direct interspecies electron transfer to Methanosaeta for the reduction of carbon dioxide to methane. Energy and Environmental Science, 2014, 7, 408-415.	30.8	1,074
2	Promoting direct interspecies electron transfer with activated carbon. Energy and Environmental Science, 2012, 5, 8982.	30.8	718
3	Direct Interspecies Electron Transfer between Geobacter metallireducens and Methanosarcina barkeri. Applied and Environmental Microbiology, 2014, 80, 4599-4605.	3.1	714
4	Geobacter. Advances in Microbial Physiology, 2011, 59, 1-100.	2.4	541
5	Promoting Interspecies Electron Transfer with Biochar. Scientific Reports, 2014, 4, 5019.	3.3	429
6	Magnetite compensates for the lack of a pilin-associated cytochrome in extracellular electron exchange. Environmental Microbiology, 2015, 17, 648-655.	3.8	300
7	Metatranscriptomic Evidence for Direct Interspecies Electron Transfer between Geobacter and Methanotrix Species in Methanogenic Rice Paddy Soils. Applied and Environmental Microbiology, 2017, 83, .	3.1	247
8	Plugging in or going wireless: strategies for interspecies electron transfer. Frontiers in Microbiology, 2014, 5, 237.	3.5	177
9	Transcriptomic and Genetic Analysis of Direct Interspecies Electron Transfer. Applied and Environmental Microbiology, 2013, 79, 2397-2404.	3.1	168
10	Interspecies Electron Transfer via Hydrogen and Formate Rather than Direct Electrical Connections in Cocultures of Pelobacter carbinolicus and Geobacter sulfurreducens. Applied and Environmental Microbiology, 2012, 78, 7645-7651.	3.1	148
11	Syntrophic growth with direct interspecies electron transfer as the primary mechanism for energy exchange. Environmental Microbiology Reports, 2013, 5, 904-910.	2.4	137
12	Correlation between microbial community and granule conductivity in anaerobic bioreactors for brewery wastewater treatment. Bioresource Technology, 2014, 174, 306-310.	9.6	137
13	Effect of nitrogen fertilization on methane oxidation, abundance, community structure, and gene expression of methanotrophs in the rice rhizosphere. ISME Journal, 2010, 4, 1545-1556.	9.8	115
14	Phylogenetic identity, growth response time and rRNA operon copy number of soil bacteria indicate different stages of community succession. Environmental Microbiology, 2007, 9, 2464-2474.	3.8	109
15	Characterization and modelling of interspecies electron transfer mechanisms and microbial community dynamics of a syntrophic association. Nature Communications, 2013, 4, 2809.	12.8	103
16	Extraction of mRNA from Soil. Applied and Environmental Microbiology, 2010, 76, 5995-6000.	3.1	96
17	Activity and composition of methanotrophic bacterial communities in planted rice soil studied by flux measurements, analyses of <i>pmoA</i> gene and stable isotope probing of phospholipid fatty acids. Environmental Microbiology, 2008, 10, 400-412.	3.8	92
18	Phylogenetic diversity and metagenomics of candidate division OP3. Environmental Microbiology, 2010, 12, 1218-1229.	3.8	90

#	ARTICLE	IF	CITATIONS
19	Going Wireless: Fe(III) Oxide Reduction without Pili by <i>Geobacter sulfurreducens</i> Strain JS-1. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4331-4340.	3.1	84
20	Electron and Proton Flux for Carbon Dioxide Reduction in <i>Methanosarcina barkeri</i> During Direct Interspecies Electron Transfer. <i>Frontiers in Microbiology</i> , 2018, 9, 3109.	3.5	75
21	Linking activity, composition and seasonal dynamics of atmospheric methane oxidizers in a meadow soil. <i>ISME Journal</i> , 2012, 6, 1115-1126.	9.8	74
22	Transcriptional activity of paddy soil bacterial communities. <i>Environmental Microbiology</i> , 2009, 11, 960-970.	3.8	72
23	Conductive Particles Enable Syntrophic Acetate Oxidation between <i>Geobacter</i> and <i>Methanosarcina</i> from Coastal Sediments. <i>MBio</i> , 2018, 9, .	4.1	69
24	Bacterial and archaeal communities involved in the <i>in situ</i> degradation of ¹³ C-labelled straw in the rice rhizosphere. <i>Environmental Microbiology Reports</i> , 2011, 3, 587-596.	2.4	40
25	Potential for <i>Methanosarcina</i> to Contribute to Uranium Reduction during Acetate-Promoted Groundwater Bioremediation. <i>Microbial Ecology</i> , 2018, 76, 660-667.	2.8	27
26	When Is a Microbial Culture "Pure"? Persistent Cryptic Contaminant Escapes Detection Even with Deep Genome Sequencing. <i>MBio</i> , 2013, 4, e00591-12.	4.1	15
27	Comprehensive Analysis of Changes in Crude Oil Chemical Composition during Biosouring and Treatments. <i>Environmental Science & Technology</i> , 2018, 52, 1290-1300.	10.0	15
28	Editorial: Wired for Life. <i>Frontiers in Microbiology</i> , 2016, 7, 662.	3.5	2
29	Advanced Maternal Age and Pregnancy Outcome at Manipal Teaching Hospital: Cross-sectional Analytical study. <i>Orthodontic Journal of Nepal</i> , 2021, 6, 20-25.	0.1	1