

Hyun Sook Lee

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

590
citations

840776

11
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

473
citing authors

#	ARTICLE	IF	CITATIONS
1	Formate-driven growth coupled with H ₂ production. <i>Nature</i> , 2010, 467, 352-355.	27.8	202
2	CO-Dependent H ₂ Production by Genetically Engineered <i>Thermococcus onnurineus</i> NA1. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2048-2053.	3.1	79
3	One-carbon substrate-based biohydrogen production: Microbes, mechanism, and productivity. <i>Biotechnology Advances</i> , 2015, 33, 165-177.	11.7	66
4	H ₂ production from CO, formate or starch using the hyperthermophilic archaeon, <i>Thermococcus onnurineus</i> . <i>Biotechnology Letters</i> , 2012, 34, 75-79.	2.2	52
5	A Novel CO-Responsive Transcriptional Regulator and Enhanced H ₂ Production by an Engineered <i>Thermococcus onnurineus</i> NA1 Strain. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1708-1714.	3.1	31
6	Domestication of the novel alcohologenic acetogen <i>Clostridium</i> sp. AWRP: from isolation to characterization for syngas fermentation. <i>Biotechnology for Biofuels</i> , 2019, 12, 228.	6.2	28
7	A biological process effective for the conversion of CO-containing industrial waste gas to acetate. <i>Bioresource Technology</i> , 2016, 211, 792-796.	9.6	23
8	Adaptive engineering of a hyperthermophilic archaeon on CO and discovering the underlying mechanism by multi-omics analysis. <i>Scientific Reports</i> , 2016, 6, 22896.	3.3	23
9	Enhancing bio-hydrogen production from sodium formate by hyperthermophilic archaeon, <i>Thermococcus onnurineus</i> NA1. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 989-993.	3.4	17
10	Comparison of CO-dependent H ₂ production with strong promoters in <i>Thermococcus onnurineus</i> NA1. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 979-986.	3.6	14
11	Adaptive evolution of a hyperthermophilic archaeon pinpoints a formate transporter as a critical factor for the growth enhancement on formate. <i>Scientific Reports</i> , 2017, 7, 6124.	3.3	14
12	Characterization of the frhAGB-encoding hydrogenase from a non-methanogenic hyperthermophilic archaeon. <i>Extremophiles</i> , 2015, 19, 109-118.	2.3	12
13	Biohydrogen production of obligate anaerobic archaeon <i>Thermococcus onnurineus</i> NA1 under oxic conditions via overexpression of frhAGB-encoding hydrogenase genes. <i>Biotechnology for Biofuels</i> , 2019, 12, 24.	6.2	9
14	Transcriptomic profiling and its implications for the H ₂ production of a non-methanogen deficient in the frhAGB-encoding hydrogenase. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5081-5088.	3.6	7
15	Acetate-assisted carbon monoxide fermentation of <i>Clostridium</i> sp. AWRP. <i>Process Biochemistry</i> , 2022, 113, 47-54.	3.7	7
16	Biological process for coproduction of hydrogen and thermophilic enzymes during CO fermentation. <i>Bioresource Technology</i> , 2020, 305, 123067.	9.6	6