

# Jeong K Lee

## List of Publications by Year in descending order

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24  
papers

677  
citations

623734

14  
h-index

610901

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

695  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of H <sub>2</sub> accumulation by <i>Rhodobacter sphaeroides</i> KD131 and its uptake hydrogenase and PHB synthase deficient mutant. <i>International Journal of Hydrogen Energy</i> , 2006, 31, 121-127.	7.1	138
2	Molecular hydrogen production by nitrogenase of <i>Rhodobacter sphaeroides</i> and by Fe-only hydrogenase of <i>Rhodospirillum rubrum</i> . <i>International Journal of Hydrogen Energy</i> , 2008, 33, 1516-1521.	7.1	63
3	Effect of carbon and nitrogen sources on photo-fermentative H <sub>2</sub> production associated with nitrogenase, uptake hydrogenase activity, and PHB accumulation in <i>Rhodobacter sphaeroides</i> KD131. <i>Bioresource Technology</i> , 2012, 116, 179-183.	9.6	57
4	Enhancing photo-fermentative hydrogen production by <i>Rhodobacter sphaeroides</i> KD131 and its PHB synthase deleted-mutant from acetate and butyrate. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 13964-13971.	7.1	49
5	Lysine Decarboxylase Expression by <i>Vibrio vulnificus</i> Is Induced by SoxR in Response to Superoxide Stress. <i>Journal of Bacteriology</i> , 2006, 188, 8586-8592.	2.2	48
6	Effect of changes in the level of light harvesting complexes of <i>Rhodobacter sphaeroides</i> on the photoheterotrophic production of hydrogen. <i>International Journal of Hydrogen Energy</i> , 2006, 31, 531-538.	7.1	43
7	Induction of Manganese-Containing Superoxide Dismutase Is Required for Acid Tolerance in <i>Vibrio vulnificus</i> . <i>Journal of Bacteriology</i> , 2005, 187, 5984-5995.	2.2	40
8	The Protein Complex Composed of Nickel-binding SrnQ and DNA Binding Motif-bearing SrnR of <i>Streptomyces griseus</i> Represses sodF Transcription in the Presence of Nickel. <i>Journal of Biological Chemistry</i> , 2003, 278, 18455-18463.	3.4	34
9	Hydrogen evolution under photoheterotrophic and dark fermentative conditions by recombinant <i>Rhodobacter sphaeroides</i> containing the genes for fermentative pyruvate metabolism of <i>Rhodospirillum rubrum</i> . <i>International Journal of Hydrogen Energy</i> , 2008, 33, 5131-5136.	7.1	34
10	Complete Genome Sequence of <i>Rhodobacter sphaeroides</i> KD131. <i>Journal of Bacteriology</i> , 2009, 191, 1118-1119.	2.2	30
11	Enhanced photo-fermentative H <sub>2</sub> production using <i>Rhodobacter sphaeroides</i> by ethanol addition and analysis of soluble microbial products. <i>Biotechnology for Biofuels</i> , 2014, 7, 79.	6.2	20
12	Identification of cis site involved in nickel-responsive transcriptional repression of sodF gene coding for Fe- and Zn-containing superoxide dismutase of <i>Streptomyces griseus</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000, 1493, 200-207.	2.4	18
13	Superoxide Generation by Chlorophyllide a Reductase of <i>Rhodobacter sphaeroides</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 3718-3730.	3.4	18
14	Characterization of Cu- and Zn-containing superoxide dismutase of <i>Rhodobacter sphaeroides</i> . <i>FEMS Microbiology Letters</i> , 2004, 234, 261-267.	1.8	15
15	Competitive Inhibitions of the Chlorophyll Synthase of <i>Synechocystis</i> sp. Strain PCC 6803 by Bacteriochlorophyllide and the Bacteriochlorophyll Synthase of <i>Rhodobacter sphaeroides</i> by Chlorophyllide. <i>Journal of Bacteriology</i> , 2010, 192, 198-207.	2.2	14
16	Growth arrest of <i>Synechocystis</i> sp. PCC6803 by superoxide generated from heterologously expressed <i>Rhodobacter sphaeroides</i> chlorophyllide reductase. <i>FEBS Letters</i> , 2009, 583, 219-223.	2.8	11
17	Effect of Changes in the Composition of Cellular Fatty Acids on Membrane Fluidity of <i>Rhodobacter sphaeroides</i> . <i>Journal of Microbiology and Biotechnology</i> , 2015, 25, 162-173.	2.1	9
18	The photoheterotrophic H <sub>2</sub> evolution of <i>Rhodobacter sphaeroides</i> is enhanced in the presence of ethanol. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15886-15892.	7.1	8

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19	Role of <i>HemF</i> and <i>HemN</i> in the heme biosynthesis of <i>Vibrio vulnificus</i> under <i>S</i> -adenosylmethionine-limiting conditions. <i>Molecular Microbiology</i> , 2015, 96, 497-512.	2.5	8
20	Biochemical characterization of protoporphyrinogen dehydrogenase and protoporphyrin ferrochelatase of <i>Vibrio vulnificus</i> and the critical complex formation between these enzymes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2674-2687.	2.4	6
21	Peroxidase and Photoprotective Activities of Magnesium Protoporphyrin IX. <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 36-43.	2.1	5
22	Sustainability of in vitro light-dependent NADPH generation by the thylakoid membrane of <i>Synechocystis</i> sp. PCC6803. <i>Microbial Cell Factories</i> , 2022, 21, .	4.0	4
23	Production of long-chain free fatty acids from metabolically engineered <i>Rhodobacter sphaeroides</i> heterologously producing periplasmic phospholipase A2 in dodecane-overlaid two-phase culture. <i>Microbial Cell Factories</i> , 2019, 18, 20.	4.0	3
24	The ferredoxin Rr-HydB is required for the H <sub>2</sub> -evolving activity of Rr-HydA, a [FeFe]-hydrogenase of <i>Rhodospirillum rubrum</i> . <i>International Journal of Hydrogen Energy</i> , 2015, 40, 4320-4328.	7.1	2