

Iwao Ohtsu

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

719
citations

567281

15
h-index

677142

22
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23
all docs

23
docs citations

23
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	A new therapy against ulcerative colitis via the intestine and brain using the Si-based agent. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
2	Development of quantitative analytical method for volatile thiol compound with LC-ESI-MS as nonvolatile derivative by integrating a thiol-specific derivatization. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 1932-1936.	1.3	2
3	Impact of spaceflight and artificial gravity on sulfur metabolism in mouse liver: sulfur metabolomic and transcriptomic analysis. <i>Scientific Reports</i> , 2021, 11, 21786.	3.3	6
4	Ergothioneine, a metabolite of the gut bacterium <i>Lactobacillus reuteri</i> , protects against stress-induced sleep disturbances. <i>Translational Psychiatry</i> , 2020, 10, 170.	4.8	41
5	High Production of Ergothioneine in <i>Escherichia coli</i> using the Sulfoxide Synthase from <i>Methylobacterium</i> strains. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 6390-6394.	5.2	16
6	Development of high-throughput quantitative analytical method for l-cysteine-containing dipeptides by LC-MS/MS toward its fermentative production. <i>AMB Express</i> , 2019, 9, 91.	3.0	11
7	Characterization of sulfur-compound metabolism underlying wax-ester fermentation in <i>Euglena gracilis</i> . <i>Scientific Reports</i> , 2019, 9, 853.	3.3	17
8	Effects of Thiosulfate as a Sulfur Source on Plant Growth, Metabolites Accumulation and Gene Expression in <i>Arabidopsis</i> and Rice. <i>Plant and Cell Physiology</i> , 2019, 60, 1683-1701.	3.1	17
9	Generation of hydrogen sulfide from sulfur assimilation in <i>Escherichia coli</i> . <i>Journal of General and Applied Microbiology</i> , 2019, 65, 234-239.	0.7	6
10	Gram-scale fermentative production of ergothioneine driven by overproduction of cysteine in <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2019, 9, 1895.	3.3	44
11	Ergothioneine production with <i>Aspergillus oryzae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 181-184.	1.3	40
12	Heterologous and High Production of Ergothioneine in <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 1191-1196.	5.2	41
13	Current understanding of sulfur assimilation metabolism to biosynthesize l-cysteine and recent progress of its fermentative overproduction in microorganisms. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8203-8211.	3.6	44
14	Improved fermentative l-cysteine overproduction by enhancing a newly identified thiosulfate assimilation pathway in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6879-6889.	3.6	31
15	l-Cysteine Metabolism and Fermentation in Microorganisms. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2016, 159, 129-151.	1.1	44
16	Uptake of L-cystine via an ABC transporter contributes defense of oxidative stress in the L-cystine export-dependent manner in <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2015, 10, e0120619.	2.5	51
17	Involvement of the <i>yciW</i> gene in l-cysteine and l-methionine metabolism in <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 310-313.	2.2	28
18	Enhancement of l-cysteine production by disruption of <i>yciW</i> in <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 176-179.	2.2	35

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19	Finding of thiosulfate pathway for synthesis of organic sulfur compounds in <i>Saccharomyces cerevisiae</i> and improvement of ethanol production. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 666-669.	2.2	19
20	Enhancement of thioredoxin/glutaredoxin-mediated L-cysteine synthesis from S-sulfocysteine increases L-cysteine production in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2012, 11, 62.	4.0	61
21	The l-Cysteine/l-Cystine Shuttle System Provides Reducing Equivalents to the Periplasm in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 17479-17487.	3.4	101
22	The outer membrane TolC is involved in cysteine tolerance and overproduction in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2009, 81, 903-913.	3.6	59