

Ganesh Irisappan

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

341
citations

840776

11
h-index

940533

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17
all docs

17
docs citations

17
times ranked

504
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of a bacterial biosensor for zinc and copper and its application to the development of multifunctional heavy metal adsorption bacteria. <i>Process Biochemistry</i> , 2012, 47, 758-765.	3.7	85
2	Engineered fumarate sensing <i>Escherichia coli</i> based on novel chimeric two-component system. <i>Journal of Biotechnology</i> , 2013, 168, 560-566.	3.8	38
3	Construction of malate-sensing <i>Escherichia coli</i> by introduction of a novel chimeric two-component system. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 797-804.	3.4	31
4	An integrated microfluidic PCR system with immunomagnetic nanoparticles for the detection of bacterial pathogens. <i>Biomedical Microdevices</i> , 2016, 18, 116.	2.8	30
5	Evaluation of <i>zraP</i> gene expression characteristics and construction of a lead (Pb) sensing and removal system in a recombinant <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 2015, 37, 659-664.	2.2	26
6	Metabolically engineered <i>Escherichia coli</i> as a tool for the production of bioenergy and biochemicals from glycerol. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 671-678.	2.6	23
7	Engineering chimeric two-component system into <i>Escherichia coli</i> from <i>Paracoccus denitrificans</i> to sense methanol. <i>Biotechnology and Bioprocess Engineering</i> , 2017, 22, 225-230.	2.6	22
8	Construction of a high efficiency copper adsorption bacterial system via peptide display and its application on copper dye polluted wastewater. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 2077-2084.	3.4	20
9	Construction of Methanol-Sensing <i>Escherichia coli</i> by the Introduction of a <i>Paracoccus denitrificans</i> MxaY-Based Chimeric Two-Component System. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 1106-1111.	2.1	20
10	Enhanced Production of Malic Acid by Co-localization of Phosphoenolpyruvate Carboxylase and Malate Dehydrogenase Using Synthetic Protein Scaffold in <i>Escherichia coli</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 39-44.	2.6	15
11	Engineering <i>Escherichia coli</i> to Sense Non-native Environmental Stimuli: Synthetic Chimera Two-component Systems. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 12-22.	2.6	13
12	Engineering <i>Escherichia coli</i> to sense acidic amino acids by introduction of a chimeric two-component system. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 2073-2077.	2.7	7
13	Effects of stress hormone cortisol on the mRNA expression of myogenin, MyoD, Myf5, PAX3 and PAX7. <i>Cytotechnology</i> , 2014, 66, 839-844.	1.6	6
14	Expression characteristics of the <i>maeA</i> and <i>maeB</i> genes by extracellular malate and pyruvate in <i>Escherichia coli</i> . <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1443-1447.	2.7	3
15	Modification of the dynamic nature of the chimeric fumarate two-component system in <i>Escherichia coli</i> via positive feedback loop. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 844-848.	2.6	1
16	Engineering of Recombinant <i>Escherichia coli</i> towards Methanol Sensing Using <i>Methylobacterium extroquens</i> Two-component Systems. <i>Microbiology and Biotechnology Letters</i> , 2020, 48, 24-31.	0.4	1
17	Engineering a chimeric malate two-component system by introducing a positive feedback loop in <i>Escherichia coli</i> . <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 972-975.	2.7	0