

Xian Xu

List of Publications by Year in descending order

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20
papers

325
citations

933447

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839539

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21
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443
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#	ARTICLE	IF	CITATIONS
1	Enhanced propionic acid production from whey lactose with immobilized <i>Propionibacterium acidipropionici</i> and the role of trehalose synthesis in acid tolerance. <i>Green Chemistry</i> , 2015, 17, 250-259.	9.0	69
2	Efficient production of lycopene by engineered <i>E. coli</i> strains harboring different types of plasmids. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 489-499.	3.4	33
3	Exploring the function of acyltransferase and domain replacement in order to change the polyunsaturated fatty acid profile of <i>Schizochytrium</i> sp.. <i>Algal Research</i> , 2018, 29, 193-201.	4.6	32
4	Tailoring of global transcription sigma D factor by random mutagenesis to improve <i>Escherichia coli</i> tolerance towards low-pHs. <i>Journal of Biotechnology</i> , 2016, 224, 55-63.	3.8	27
5	Design and tailoring of an artificial DNA scaffolding system for efficient lycopene synthesis using zinc-finger-guided assembly. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 209-222.	3.0	22
6	Putative carotenoid genes expressed under the regulation of Shine-Dalgarno regions in <i>Escherichia coli</i> for efficient lycopene production. <i>Biotechnology Letters</i> , 2015, 37, 2303-2310.	2.2	21
7	Analysis and expression of the carotenoid biosynthesis genes from <i>Deinococcus wulumuqiensis</i> R12 in engineered <i>Escherichia coli</i> . <i>AMB Express</i> , 2018, 8, 94.	3.0	19
8	A high-throughput screening method for identifying lycopene-overproducing <i>E. coli</i> strain based on an antioxidant capacity assay. <i>Biochemical Engineering Journal</i> , 2016, 112, 277-284.	3.6	18
9	Genome Sequence of a Gamma- and UV-Ray-Resistant Strain, <i>Deinococcus wulumuqiensis</i> R12. <i>Genome Announcements</i> , 2013, 1, .	0.8	13
10	Complete genome sequence of <i>Janthinobacterium</i> sp. B9-8, a violacein-producing bacterium isolated from low-temperature sewage. <i>Microbial Pathogenesis</i> , 2019, 128, 178-183.	2.9	11
11	Identification of carotenoids biosynthesis pathway in <i>Schizochytrium</i> sp. and utilization in astaxanthin biosynthesis. <i>Enzyme and Microbial Technology</i> , 2022, 156, 110018.	3.2	10
12	Draft Genome Sequence of <i>Deinococcus xibeiensis</i> R13, a New Carotenoid-Producing Strain. <i>Genome Announcements</i> , 2013, 1, .	0.8	9
13	Draft genome sequence of <i>Paenibacillus dauci</i> sp. nov., a carrot-associated endophytic actinobacteria. <i>Genomics Data</i> , 2015, 5, 241-253.	1.3	9
14	Counteraction of Trehalose on N, N-Dimethylformamide-Induced <i>Candida rugosa</i> Lipase Denaturation: Spectroscopic Insight and Molecular Dynamic Simulation. <i>PLoS ONE</i> , 2016, 11, e0152275.	2.5	8
15	Optimization of fermentation conditions for carotenoid production in the radiation-resistant strain <i>Deinococcus xibeiensis</i> R13. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 631-642.	3.4	7
16	Pathway engineering of <i>Saccharomyces cerevisiae</i> for efficient lycopene production. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1033-1047.	3.4	5
17	Functional characterization of a novel violacein biosynthesis operon from <i>Janthinobacterium</i> sp. B9-8. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2903-2916.	3.6	4
18	Genome Sequence of <i>Paenibacillus wulumuqiensis</i> sp. nov., a Biofloculant-Producing Species. <i>Genome Announcements</i> , 2015, 3, .	0.8	3

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19	Study of the properties of carotenoids and key carotenoid biosynthesis genes from <i>Deinococcus xibeiensis</i> R13. <i>Biotechnology and Applied Biochemistry</i> , 2021, , .	3.1	3
20	Draft genome sequence of <i>Paenibacillus algorifonticola</i> sp. nov., an antimicrobial-producing strain. <i>Genomics Data</i> , 2015, 5, 302-308.	1.3	2