

Pyung-Gang Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2344312/publications.pdf>

Version: 2024-02-01

18
papers

378
citations

840776

11
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Light-Triggered In Situ Biosynthesis of Artificial Melanin for Skin Protection. <i>Advanced Science</i> , 2022, 9, e2103503.	11.2	12
2	Regioselective One-Pot Synthesis of Hydroxy-(S)-Equols Using Isoflavonoid Reductases and Monooxygenases and Evaluation of the Hydroxyequol Derivatives as Selective Estrogen Receptor Modulators and Antioxidants. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 830712.	4.1	3
3	Light-Triggered In Situ Biosynthesis of Artificial Melanin for Skin Protection (<i>Adv. Sci.</i> 7/2022). <i>Advanced Science</i> , 2022, 9, .	11.2	3
4	Phage-assisted evolution of botulinum neurotoxin proteases with reprogrammed specificity. <i>Science</i> , 2021, 371, 803-810.	12.6	46
5	Polyphenol-Hydroxylating Tyrosinase Activity under Acidic pH Enables Efficient Synthesis of Plant Catechols and Gallols. <i>Microorganisms</i> , 2021, 9, 1866.	3.6	4
6	Circular permutation of a bacterial tyrosinase enables efficient polyphenol-specific oxidation and quantitative preparation of orobol. <i>Biotechnology and Bioengineering</i> , 2019, 116, 19-27.	3.3	17
7	Elucidating Cysteine-Assisted Synthesis of Indirubin by a Flavin-Containing Monooxygenase. <i>ACS Catalysis</i> , 2019, 9, 9539-9544.	11.2	11
8	In vivo Protein Evolution, Next Generation Protein Engineering Strategy: from Random Approach to Target-specific Approach. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 85-94.	2.6	12
9	Ecofriendly one-pot biosynthesis of indigo derivative dyes using CYP102G4 and PrnA halogenase. <i>Dyes and Pigments</i> , 2019, 162, 80-88.	3.7	40
10	Rewiring FadR regulon for the selective production of 3-hydroxy palmitic acid from glucose in <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2018, 47, 414-422.	7.0	9
11	In vitro characterization of CYP102G4 from <i>Streptomyces cattleya</i> : A self-sufficient P450 naturally producing indigo. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 60-67.	2.3	24
12	Structural Basis for Highly Efficient Production of Catechol Derivatives at Acidic pH by Tyrosinase from <i>Burkholderia thailandensis</i> . <i>ACS Catalysis</i> , 2018, 8, 10375-10382.	11.2	18
13	Recent advances in the microbial hydroxylation and reduction of soy isoflavones. <i>FEMS Microbiology Letters</i> , 2018, 365, .	1.8	12
14	Polymeric solvent engineering for gram/liter scale production of a water-insoluble isoflavone derivative, (S)-equol. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6915-6921.	3.6	18
15	Biosynthesis of (6 ^{''})-5-Hydroxy-equol and 5-Hydroxy-dehydroequol from Soy Isoflavone, Genistein Using Microbial Whole Cell Bioconversion. <i>ACS Chemical Biology</i> , 2017, 12, 2883-2890.	3.4	31
16	P212A Mutant of Dihydrodaidzein Reductase Enhances (S)-Equol Production and Enantioselectivity in a Recombinant <i>Escherichia coli</i> Whole-Cell Reaction System. <i>Applied and Environmental Microbiology</i> , 2016, 82, 1992-2002.	3.1	30
17	Fungal cytochrome P450 monooxygenases of <i>Fusarium oxysporum</i> for the synthesis of 3-hydroxy fatty acids in engineered <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2015, 14, 45.	4.0	56
18	fadD deletion and fadL overexpression in <i>Escherichia coli</i> increase hydroxy long-chain fatty acid productivity. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8917-8925.	3.6	32