

Panu Pimviriyakul

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

264
citations

1163117

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1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

184
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial degradation of halogenated aromatics: molecular mechanisms and enzymatic reactions. <i>Microbial Biotechnology</i> , 2020, 13, 67-86.	4.2	59
2	Kinetic Mechanism of the Dechlorinating Flavin-dependent Monooxygenase HadA. <i>Journal of Biological Chemistry</i> , 2017, 292, 4818-4832.	3.4	49
3	Oxidative dehalogenation and denitration by a flavin-dependent monooxygenase is controlled by substrate deprotonation. <i>Chemical Science</i> , 2018, 9, 7468-7482.	7.4	28
4	Identification of a Hotspot Residue for Improving the Thermostability of a Flavin-Dependent Monooxygenase. <i>ChemBioChem</i> , 2019, 20, 3020-3031.	2.6	27
5	A complete bioconversion cascade for dehalogenation and denitration by bacterial flavin-dependent enzymes. <i>Journal of Biological Chemistry</i> , 2018, 293, 18525-18539.	3.4	26
6	A Chemo-Enzymatic Cascade for the Smart Detection of Nitro- and Halogenated Phenols. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13254-13258.	13.8	19
7	Overview of flavin-dependent enzymes. <i>The Enzymes</i> , 2020, 47, 1-36.	1.7	15
8	Protonation status and control mechanism of flavin-oxygen intermediates in the reaction of bacterial luciferase. <i>FEBS Journal</i> , 2021, 288, 3246-3260.	4.7	13
9	Phenolic hydroxylases. <i>The Enzymes</i> , 2020, 47, 283-326.	1.7	7
10	Structural insights into a flavin-dependent dehalogenase HadA explain catalysis and substrate inhibition via quadruple π -stacking. <i>Journal of Biological Chemistry</i> , 2021, 297, 100952.	3.4	6
11	Flavin-dependent dehalogenases. <i>The Enzymes</i> , 2020, 47, 365-397.	1.7	6
12	Role of conserved arginine in HadA monooxygenase for 4-nitrophenol and 4-chlorophenol detoxification. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 1291-1302.	2.6	4
13	A Chemo-Enzymatic Cascade for the Smart Detection of Nitro- and Halogenated Phenols. <i>Angewandte Chemie</i> , 2019, 131, 13388-13392.	2.0	3
14	Dual Activities of Oxidation and Oxidative Decarboxylation by Flavoenzymes. <i>ChemBioChem</i> , 2022, , .	2.6	2
15	Frontispiz: A Chemo-Enzymatic Cascade for the Smart Detection of Nitro- and Halogenated Phenols. <i>Angewandte Chemie</i> , 2019, 131, .	2.0	0
16	Frontispiece: A Chemo-Enzymatic Cascade for the Smart Detection of Nitro- and Halogenated Phenols. <i>Angewandte Chemie - International Edition</i> , 2019, 58, .	13.8	0