

Eugene Kuatsjah

List of Publications by Year in descending order

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1040056

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#	ARTICLE	IF	CITATIONS
1	Debottlenecking 4-hydroxybenzoate hydroxylation in <i>Pseudomonas putida</i> KT2440 improves muconate productivity from p-coumarate. <i>Metabolic Engineering</i> , 2022, 70, 31-42.	7.0	25
2	Critical enzyme reactions in aromatic catabolism for microbial lignin conversion. <i>Nature Catalysis</i> , 2022, 5, 86-98.	34.4	51
3	Discovery, characterization, and metabolic engineering of Rieske non-heme iron monooxygenases for guaiacol O-demethylation. <i>Chem Catalysis</i> , 2022, 2, 1989-2011.	6.1	8
4	Structural and functional analysis of lignostilbene dioxygenases from <i>Sphingobium</i> sp. SYK-6. <i>Journal of Biological Chemistry</i> , 2021, 296, 100758.	3.4	7
5	Metabolism of syringyl lignin-derived compounds in <i>Pseudomonas putida</i> enables convergent production of 2-pyrone-4,6-dicarboxylic acid. <i>Metabolic Engineering</i> , 2021, 65, 111-122.	7.0	48
6	A shared mechanistic pathway for pyridoxal phosphate-dependent arginine oxidases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	7
7	Molecular insights into substrate recognition and catalysis by phthalate dioxygenase from <i>Comamonas testosteroni</i> . <i>Journal of Biological Chemistry</i> , 2021, 297, 101416.	3.4	17
8	Serine and Metal-Dependent meta-Cleavage Product Hydrolases. , 2020, , 346-372.		0
9	Identification of functionally important residues and structural features in a bacterial lignostilbene dioxygenase. <i>Journal of Biological Chemistry</i> , 2019, 294, 12911-12920.	3.4	10
10	Snapshots of the Catalytic Cycle of an O ₂ , Pyridoxal Phosphate-Dependent Hydroxylase. <i>ACS Chemical Biology</i> , 2018, 13, 965-974.	3.4	12
11	Metal- and Serine-Dependent Meta-Cleavage Product Hydrolases Utilize Similar Nucleophile-Activation Strategies. <i>ACS Catalysis</i> , 2018, 8, 11622-11632.	11.2	6
12	Bacterial Catabolism of Biphenyls: Synthesis and Evaluation of Analogues. <i>ChemBioChem</i> , 2018, 19, 1771-1778.	2.6	5
13	Characterization of an extradiol dioxygenase involved in the catabolism of lignin-derived biphenyl. <i>FEBS Letters</i> , 2017, 591, 1001-1009.	2.8	20
14	The bacterial meta-cleavage hydrolase LigY belongs to the amidohydrolase superfamily, not to the β^2 -hydrolase superfamily. <i>Journal of Biological Chemistry</i> , 2017, 292, 18290-18302.	3.4	11
15	A pyridoxal phosphate-dependent enzyme that oxidizes an unactivated carbon-carbon bond. <i>Nature Chemical Biology</i> , 2016, 12, 194-199.	8.0	37
16	Metagenomics of Hydrocarbon Resource Environments Indicates Aerobic Taxa and Genes to be Unexpectedly Common. <i>Environmental Science & Technology</i> , 2013, 47, 10708-10717.	10.0	179