Eugene Kuatsjah

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6603353/publications.pdf

Version: 2024-02-01

16 papers	443 citations	1040056 9 h-index	996975 15 g-index
16 all docs	16 docs citations	16 times ranked	542 citing authors

#	Article	IF	Citations
1	Metagenomics of Hydrocarbon Resource Environments Indicates Aerobic Taxa and Genes to be Unexpectedly Common. Environmental Science & Technology, 2013, 47, 10708-10717.	10.0	179
2	Critical enzyme reactions in aromatic catabolism for microbial lignin conversion. Nature Catalysis, 2022, 5, 86-98.	34.4	51
3	Metabolism of syringyl lignin-derived compounds in Pseudomonas putida enables convergent production of 2-pyrone-4,6-dicarboxylic acid. Metabolic Engineering, 2021, 65, 111-122.	7.0	48
4	A pyridoxal phosphateâ€“dependent enzyme that oxidizes an unactivated carbon-carbon bond. Nature Chemical Biology, 2016, 12, 194-199.	8.0	37
5	Debottlenecking 4-hydroxybenzoate hydroxylation in Pseudomonas putida KT2440 improves muconate productivity from p-coumarate. Metabolic Engineering, 2022, 70, 31-42.	7.0	25
6	Characterization of an extradiol dioxygenase involved in the catabolism of ligninâ€derived biphenyl. FEBS Letters, 2017, 591, 1001-1009.	2.8	20
7	Molecular insights into substrate recognition and catalysis by phthalate dioxygenase from Comamonas testosteroni. Journal of Biological Chemistry, 2021, 297, 101416.	3.4	17
8	Snapshots of the Catalytic Cycle of an O₂, Pyridoxal Phosphate-Dependent Hydroxylase. ACS Chemical Biology, 2018, 13, 965-974.	3.4	12
9	The bacterial meta-cleavage hydrolase LigY belongs to the amidohydrolase superfamily, not to the Î±/Î²-hydrolase superfamily. Journal of Biological Chemistry, 2017, 292, 18290-18302.	3.4	11
10	Identification of functionally important residues and structural features in a bacterial lignostilbene dioxygenase. Journal of Biological Chemistry, 2019, 294, 12911-12920.	3.4	10
11	Discovery, characterization, and metabolic engineering of Rieske non-heme iron monooxygenases for guaiacol O-demethylation. Chem Catalysis, 2022, 2, 1989-2011.	6.1	8
12	Structural and functional analysis of lignostilbene dioxygenases from Sphingobium sp. SYK-6. Journal of Biological Chemistry, 2021, 296, 100758.	3.4	7
13	A shared mechanistic pathway for pyridoxal phosphateâ€“dependent arginine oxidases. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	7
14	Metal- and Serine-Dependent Meta-Cleavage Product Hydrolases Utilize Similar Nucleophile-Activation Strategies. ACS Catalysis, 2018, 8, 11622-11632.	11.2	6
15	Bacterial Catabolism of Biphenyls: Synthesis and Evaluation of Analogues. ChemBioChem, 2018, 19, 1771-1778.	2.6	5
16	Serine and Metal-Dependent meta-Cleavage Product Hydrolases. , 2020, , 346-372.		0