

Vitaliy I Tymokhin

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

569
citations

933447

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1125743

13
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docs citations

15
times ranked

749
citing authors

#	ARTICLE	IF	CITATIONS
1	Flavonoids naringenin chalcone, naringenin, dihydrotricin, and tricetin are lignin monomers in papyrus. <i>Plant Physiology</i> , 2022, 188, 208-219.	4.8	28
2	Functional and structural insight into the flexibility of cytochrome P450 reductases from <i>Sorghum bicolor</i> and its implications for lignin composition. <i>Journal of Biological Chemistry</i> , 2022, 298, 101761.	3.4	6
3	Synthesis of hydroxycinnamoyl shikimates and their role in monolignol biosynthesis. <i>Holzforschung</i> , 2022, 76, 133-144.	1.9	3
4	A multi-omics approach to lignocellulolytic enzyme discovery reveals a new ligninase activity from <i>Parascedosporium putredinis</i> NO1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	18
5	CRISPR-Cas9 editing of CAFFEYOYL SHIKIMATE ESTERASE 1 and 2 shows their importance and partial redundancy in lignification in <i>Populus tremula</i> – <i>P. alba</i> . <i>Plant Biotechnology Journal</i> , 2021, 19, 2221-2234.	8.3	29
6	Production of <i>p</i> -Coumaric Acid from Corn GVL-Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17427-17438.	6.7	41
7	Lignin lags, leads, or limits the decomposition of litter and soil organic carbon. <i>Ecology</i> , 2020, 101, e03113.	3.2	44
8	Assessing the Viability of Recovery of Hydroxycinnamic Acids from Lignocellulosic Biorefinery Alkaline Pretreatment Waste Streams. <i>ChemSusChem</i> , 2020, 13, 2012-2024.	6.8	54
9	Assessing the Viability of Recovery of Hydroxycinnamic Acids from Lignocellulosic Biorefinery Alkaline Pretreatment Waste Streams. <i>ChemSusChem</i> , 2020, 13, 1922-1922.	6.8	0
10	Enrichment of Lignin-Derived Carbon in Mineral-Associated Soil Organic Matter. <i>Environmental Science & Technology</i> , 2019, 53, 7522-7531.	10.0	63
11	Synthesis of Nepetoidin B. <i>Synlett</i> , 2018, 29, 1229-1231.	1.8	3
12	Thirty Years of (TMS) ₃ SiH: A Milestone in Radical-Based Synthetic Chemistry. <i>Chemical Reviews</i> , 2018, 118, 6516-6572.	47.7	207
13	Lignin decomposition is sustained under fluctuating redox conditions in humid tropical forest soils. <i>Global Change Biology</i> , 2015, 21, 2818-2828.	9.5	59
14	A Highly Diastereoselective Oxidant Contributes to Ligninolysis by the White Rot Basidiomycete <i>Ceriporiopsis subvermispora</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 7536-7544.	3.1	14