Marie-NoÃ«lle Rosso

List of Publications by Year
in descending order

21	998	567144 15	713332 21
papers	citations	h-index	g-index

22	22	22	1116
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lytic xylan oxidases from wood-decay fungi unlock biomass degradation. Nature Chemical Biology, 2018, 14, 306-310.	3.9	269
2	Genomic Analysis Enlightens Agaricales Lifestyle Evolution and Increasing Peroxidase Diversity. Molecular Biology and Evolution, 2021, 38, 1428-1446.	3.5	72
3	Enhanced degradation of softwood versus hardwood by the white-rot fungus Pycnoporus coccineus. Biotechnology for Biofuels, 2015, 8, 216.	6.2	67
4	The integrative omics of white-rot fungus Pycnoporus coccineus reveals co-regulated CAZymes for orchestrated lignocellulose breakdown. PLoS ONE, 2017, 12, e0175528.	1.1	64
5	A fungal family of lytic polysaccharide monooxygenase-like copper proteins. Nature Chemical Biology, 2020, 16, 345-350.	3.9	63
6	Fast solubilization of recalcitrant cellulosic biomass by the basidiomycete fungus Laetisaria arvalisinvolves successive secretion of oxidative and hydrolytic enzymes. Biotechnology for Biofuels, 2014, 7, 143.	6.2	53
7	The ectomycorrhizal basidiomycete <i>Laccaria bicolor</i> releases a secreted Î²â€‘1,4 endoglucanase that plays a key role in symbiosis development. New Phytologist, 2018, 220, 1309-1321.	3.5	49
8	Fungal secretomics to probe the biological functions of lytic polysaccharide monooxygenases. Carbohydrate Research, 2017, 448, 155-160.	1.1	48
9	Visual Comparative Omics of Fungi for Plant Biomass Deconstruction. Frontiers in Microbiology, 2016, 7, 1335.	1.5	46
10	Integrative visual omics of the white-rot fungus Polyporus brumalis exposes the biotechnological potential of its oxidative enzymes for delignifying raw plant biomass. Biotechnology for Biofuels, 2018, 11, 201.	6.2	45
11	Gene family expansions and transcriptome signatures uncover fungal adaptations to wood decay. Environmental Microbiology, 2021, 23, 5716-5732.	1.8	44
12	Evolution of Fungal Carbohydrate-Active Enzyme Portfolios and Adaptation to Plant Cell-Wall Polymers. Journal of Fungi (Basel, Switzerland), 2021, 7, 185.	1.5	38
13	Conserved white-rot enzymatic mechanism for wood decay in the Basidiomycota genus <i>Pycnoporus</i>. DNA Research, 2020, 27, .	1.5	32
14	Insights into an unusual Auxiliary Activity 9 family member lacking the histidine brace motif of lytic polysaccharide monooxygenases. Journal of Biological Chemistry, 2019, 294, 17117-17130.	1.6	30
15	Broadâ€‘specificity GH131 Î²â€‘glucanases are a hallmark of fungi and oomycetes that colonize plants. Environmental Microbiology, 2019, 21, 2724-2739.	1.8	18
16	Large-scale phenotyping of 1,000 fungal strains for the degradation of non-natural, industrial compounds. Communications Biology, 2021, 4, 871.	2.0	18
17	The ectomycorrhizal basidiomycete <i>Laccaria bicolor</i> releases a GH28 polygalacturonase that plays a key role in symbiosis establishment. New Phytologist, 2022, 233, 2534-2547.	3.5	16
18	A Multiomic Approach to Understand How Pleurotus eryngii Transforms Non-Woody Lignocellulosic Material. Journal of Fungi (Basel, Switzerland), 2021, 7, 426.	1.5	9

#	Article	IF	Citations
19	Distribution of methionine sulfoxide reductases in fungi and conservation of the free-methionine-R-sulfoxide reductase in multicellular eukaryotes. Free Radical Biology and Medicine, 2021, 169, 187-215.	1.3	9
20	Plant wastes and sustainable refineries: What can we learn from fungi?. Current Opinion in Green and Sustainable Chemistry, 2022, 34, 100602.	3.2	5
21	Screening New Xylanase Biocatalysts from the Mangrove Soil Diversity. Microorganisms, 2021, 9, 1484.	1.6	3