

# Marie-Noëlle Rosso

## List of Publications by Year in descending order

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21  
papers

998  
citations

567144

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713332

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22  
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times ranked

1116  
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#	ARTICLE	IF	CITATIONS
1	The ectomycorrhizal basidiomycete <i>Laccaria bicolor</i> releases a GH28 polygalacturonase that plays a key role in symbiosis establishment. <i>New Phytologist</i> , 2022, 233, 2534-2547.	3.5	16
2	Plant wastes and sustainable refineries: What can we learn from fungi?. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 34, 100602.	3.2	5
3	Genomic Analysis Enlightens Agaricales Lifestyle Evolution and Increasing Peroxidase Diversity. <i>Molecular Biology and Evolution</i> , 2021, 38, 1428-1446.	3.5	72
4	Gene family expansions and transcriptome signatures uncover fungal adaptations to wood decay. <i>Environmental Microbiology</i> , 2021, 23, 5716-5732.	1.8	44
5	Evolution of Fungal Carbohydrate-Active Enzyme Portfolios and Adaptation to Plant Cell-Wall Polymers. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 185.	1.5	38
6	A Multiomic Approach to Understand How <i>Pleurotus eryngii</i> Transforms Non-Woody Lignocellulosic Material. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 426.	1.5	9
7	Distribution of methionine sulfoxide reductases in fungi and conservation of the free-methionine-R-sulfoxide reductase in multicellular eukaryotes. <i>Free Radical Biology and Medicine</i> , 2021, 169, 187-215.	1.3	9
8	Screening New Xylanase Biocatalysts from the Mangrove Soil Diversity. <i>Microorganisms</i> , 2021, 9, 1484.	1.6	3
9	Large-scale phenotyping of 1,000 fungal strains for the degradation of non-natural, industrial compounds. <i>Communications Biology</i> , 2021, 4, 871.	2.0	18
10	A fungal family of lytic polysaccharide monooxygenase-like copper proteins. <i>Nature Chemical Biology</i> , 2020, 16, 345-350.	3.9	63
11	Conserved white-rot enzymatic mechanism for wood decay in the Basidiomycota genus <i>Pycnoporus</i> . <i>DNA Research</i> , 2020, 27, .	1.5	32
12	Insights into an unusual Auxiliary Activity 9 family member lacking the histidine brace motif of lytic polysaccharide monooxygenases. <i>Journal of Biological Chemistry</i> , 2019, 294, 17117-17130.	1.6	30
13	Broad-specificity GH131 $\beta$ -glucanases are a hallmark of fungi and oomycetes that colonize plants. <i>Environmental Microbiology</i> , 2019, 21, 2724-2739.	1.8	18
14	The ectomycorrhizal basidiomycete <i>Laccaria bicolor</i> releases a secreted $\beta$ -1,4 endoglucanase that plays a key role in symbiosis development. <i>New Phytologist</i> , 2018, 220, 1309-1321.	3.5	49
15	Lytic xylan oxidases from wood-decay fungi unlock biomass degradation. <i>Nature Chemical Biology</i> , 2018, 14, 306-310.	3.9	269
16	Integrative visual omics of the white-rot fungus <i>Polyporus brumalis</i> exposes the biotechnological potential of its oxidative enzymes for delignifying raw plant biomass. <i>Biotechnology for Biofuels</i> , 2018, 11, 201.	6.2	45
17	Fungal secretomics to probe the biological functions of lytic polysaccharide monooxygenases. <i>Carbohydrate Research</i> , 2017, 448, 155-160.	1.1	48
18	The integrative omics of white-rot fungus <i>Pycnoporus coccineus</i> reveals co-regulated CAZymes for orchestrated lignocellulose breakdown. <i>PLoS ONE</i> , 2017, 12, e0175528.	1.1	64

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19	Visual Comparative Omics of Fungi for Plant Biomass Deconstruction. <i>Frontiers in Microbiology</i> , 2016, 7, 1335.	1.5	46
20	Enhanced degradation of softwood versus hardwood by the white-rot fungus <i>Pycnoporus coccineus</i> . <i>Biotechnology for Biofuels</i> , 2015, 8, 216.	6.2	67
21	Fast solubilization of recalcitrant cellulosic biomass by the basidiomycete fungus <i>Laetisaria arvalis</i> involves successive secretion of oxidative and hydrolytic enzymes. <i>Biotechnology for Biofuels</i> , 2014, 7, 143.	6.2	53