

Isabelle Benoit-Gelber

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

3,185
citations

777949

13
h-index

939365

18
g-index

18
all docs

18
docs citations

18
times ranked

5368
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The Paleozoic Origin of Enzymatic Lignin Decomposition Reconstructed from 31 Fungal Genomes. <i>Science</i> , 2012, 336, 1715-1719. | 6.0 | 1,424 |
| 2 | Genomic Analysis of the Necrotrophic Fungal Pathogens <i>Sclerotinia sclerotiorum</i> and <i>Botrytis cinerea</i> . <i>PLoS Genetics</i> , 2011, 7, e1002230. | 1.5 | 902 |
| 3 | Expansion of Signal Transduction Pathways in Fungi by Extensive Genome Duplication. <i>Current Biology</i> , 2016, 26, 1577-1584. | 1.8 | 175 |
| 4 | Feruloyl esterases as a tool for the release of phenolic compounds from agro-industrial by-products. <i>Carbohydrate Research</i> , 2006, 341, 1820-1827. | 1.1 | 141 |
| 5 | <scp><i>B</i></scp><i>acillus subtilis</i> attachment to <scp><i>A</i></scp><i>spergillus niger</i> hyphae results in mutually altered metabolism. <i>Environmental Microbiology</i> , 2015, 17, 2099-2113. | 1.8 | 112 |
| 6 | Aromatic Metabolism of Filamentous Fungi in Relation to the Presence of Aromatic Compounds in Plant Biomass. <i>Advances in Applied Microbiology</i> , 2015, 91, 63-137. | 1.3 | 97 |
| 7 | Nutritional physiology of a rock-inhabiting, model microcolonial fungus from an ancestral lineage of the Chaetothyriales (Ascomycetes). <i>Fungal Genetics and Biology</i> , 2013, 56, 54-66. | 0.9 | 62 |
| 8 | Respective importance of protein folding and glycosylation in the thermal stability of recombinant feruloyl esterase A. <i>FEBS Letters</i> , 2006, 580, 5815-5821. | 1.3 | 54 |
| 9 | Regulation of Plant Biomass Utilization in <i>Aspergillus</i> . <i>Advances in Applied Microbiology</i> , 2014, 88, 31-56. | 1.3 | 48 |
| 10 | Sugar Catabolism in <i>Aspergillus</i> and Other Fungi Related to the Utilization of Plant Biomass. <i>Advances in Applied Microbiology</i> , 2015, 90, 1-28. | 1.3 | 46 |
| 11 | Homologous expression of the feruloyl esterase B gene from <i>Aspergillus niger</i> and characterization of the recombinant enzyme. <i>Protein Expression and Purification</i> , 2004, 37, 126-133. | 0.6 | 41 |
| 12 | Gene Overexpression and Biochemical Characterization of the Biotechnologically Relevant Chlorogenic Acid Hydrolase from <i>Aspergillus niger</i>. <i>Applied and Environmental Microbiology</i> , 2007, 73, 5624-5632. | 1.4 | 32 |
| 13 | Expression in <i>Escherichia coli</i> , refolding and crystallization of <i>Aspergillus niger</i> feruloyl esterase A using a serial factorial approach. <i>Protein Expression and Purification</i> , 2007, 55, 166-174. | 0.6 | 22 |
| 14 | Post-genomic approaches to understanding interactions between fungi and their environment. <i>IMA Fungus</i> , 2011, 2, 81-86. | 1.7 | 11 |
| 15 | Identification of a Novel Biosynthetic Gene Cluster in <i>Aspergillus niger</i> Using Comparative Genomics. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 374. | 1.5 | 8 |
| 16 | Improved Hemicellulase Production by Genetic Modification of Carbon Catabolite Repression and Xylanolytic Activation in <i>Aspergillus niger</i> . <i>Current Biotechnology</i> , 2018, 7, 10-18. | 0.2 | 7 |
| 17 | Community dynamics of Neocallimastigomycetes in the rumen of yak feeding on wheat straw revealed by different primer sets. <i>Fungal Ecology</i> , 2019, 41, 34-44. | 0.7 | 2 |
| 18 | Evolutionary Adaptation to Generate Mutants. <i>Methods in Molecular Biology</i> , 2018, 1775, 133-137. | 0.4 | 1 |