

Venkataramanan Subramanian

List of Publications by Year
in descending order

Source: <https://exaly.com/author-pdf/314259/publications.pdf>

Version: 2024-02-01

25
papers

1,962
citations

430874
18
h-index

610901
24
g-index

25
all docs

25
docs citations

25
times ranked

2566
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Genome, transcriptome, and secretome analysis of wood decay fungus <i>Postia placenta</i> supports unique mechanisms of lignocellulose conversion. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1954-1959. | 7.1 | 530 |
| 2 | Genome sequence of the button mushroom <i>Agaricus bisporus</i> reveals mechanisms governing adaptation to a humic-rich ecological niche. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17501-17506. | 7.1 | 359 |
| 3 | Comparative genomics of <i>Ceriporiopsis subvermispora</i> and <i>Phanerochaete chrysosporium</i> provide insight into selective ligninolysis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5458-5463. | 7.1 | 259 |
| 4 | Genome-to-function characterization of novel fungal P450 monooxygenases oxidizing polycyclic aromatic hydrocarbons (PAHs). Biochemical and Biophysical Research Communications, 2010, 399, 492-497. | 2.1 | 107 |
| 5 | Multiple facets of anoxic metabolism and hydrogen production in the unicellular green alga <i>Chlamydomonas reinhardtii</i> . New Phytologist, 2011, 190, 279-288. | 7.3 | 94 |
| 6 | Intracellular pathways for lignin catabolism in white-rot fungi. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 82 |
| 7 | Engineering enhanced cellobiohydrolase activity. Nature Communications, 2018, 9, 1186. | 12.8 | 72 |
| 8 | A Mutant in the <i>ADH1</i> Gene of <i>Chlamydomonas reinhardtii</i> Elicits Metabolic Restructuring during Anaerobiosis. Plant Physiology, 2012, 158, 1293-1305. | 4.8 | 60 |
| 9 | Role of P450 Monooxygenases in the Degradation of the Endocrine-Disrupting Chemical Nonylphenol by the White Rot Fungus <i>Phanerochaete chrysosporium</i> . Applied and Environmental Microbiology, 2009, 75, 5570-5580. | 3.1 | 59 |
| 10 | Altered Fermentative Metabolism in <i>Chlamydomonas reinhardtii</i> Mutants Lacking Pyruvate Formate Lyase and Both Pyruvate Formate Lyase and Alcohol Dehydrogenase. Plant Cell, 2012, 24, 692-707. | 6.6 | 58 |
| 11 | Immunoproteomic Identification of Secretory and Subcellular Protein Antigens and Functional Evaluation of the Secretome Fraction of <i>Mycobacterium immunogenum</i> , a Newly Recognized Species of the <i>Mycobacterium chelonae</i> ~ <i>Mycobacterium abscessus</i> Group. Journal of Proteome Research, 2009, 8, 2319-2330. | 3.7 | 46 |
| 12 | A versatile 2A peptide-based bicistronic protein expressing platform for the industrial cellulase producing fungus, <i>Trichoderma reesei</i> . Biotechnology for Biofuels, 2017, 10, 34. | 6.2 | 37 |
| 13 | Physiological Regulation, Xenobiotic Induction, and Heterologous Expression of P450 Monooxygenase Gene <i>pc-3</i> (CYP63A3), a New Member of the CYP63 Gene Cluster in the White-rot Fungus <i>Phanerochaete chrysosporium</i> . Current Microbiology, 2005, 50, 292-298. | 2.2 | 34 |
| 14 | Synthetic fungal multifunctional cellulases for enhanced biomass conversion. Green Chemistry, 2020, 22, 478-489. | 9.0 | 31 |
| 15 | Expression of a clostridial [FeFe]-hydrogenase in <i>Chlamydomonas reinhardtii</i> prolongs photo-production of hydrogen from water splitting. Algal Research, 2017, 22, 116-121. | 4.6 | 28 |
| 16 | Regulation and heterologous expression of P450 enzyme system components of the white rot fungus <i>Phanerochaete chrysosporium</i> . Enzyme and Microbial Technology, 2008, 43, 205-213. | 3.2 | 25 |
| 17 | A comparative genomic analysis of the oxidative enzymes potentially involved in lignin degradation by <i>Agaricus bisporus</i> . Fungal Genetics and Biology, 2013, 55, 22-31. | 2.1 | 22 |
| 18 | Improving biofuel production in phototrophic microorganisms with systems biology. Biofuels, 2011, 2, 125-144. | 2.4 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Profiling <i>Chlamydomonas</i> Metabolism under Dark, Anoxic H ₂ -Producing Conditions Using a Combined Proteomic, Transcriptomic, and Metabolomic Approach. <i>Journal of Proteome Research</i> , 2014, 13, 5431-5451. | 3.7 | 18 |
| 20 | P450 Redox Enzymes in the White Rot Fungus <i>Phanerochaete chrysosporium</i> : Gene Transcription, Heterologous Expression, and Activity Analysis on the Purified Proteins. <i>Current Microbiology</i> , 2010, 61, 306-314. | 2.2 | 7 |
| 21 | Metabolic Pathways in Green Algae with Potential Value for Biofuel Production. <i>Cellular Origin and Life in Extreme Habitats</i> , 2012, , 399-422. | 0.3 | 5 |
| 22 | Phylogenetics-based identification and characterization of a superior 2,3-butanediol dehydrogenase for <i>Zymomonas mobilis</i> expression. <i>Biotechnology for Biofuels</i> , 2020, 13, 186. | 6.2 | 5 |
| 23 | Ferredoxin5 Deletion Affects Metabolism of Algae during the Different Phases of Sulfur Deprivation. <i>Plant Physiology</i> , 2019, 181, 426-441. | 4.8 | 3 |
| 24 | CHAPTER 9. The Role of <i>Chlamydomonas</i> Ferredoxins in Hydrogen Production and Other Related Metabolic Functions. <i>Comprehensive Series in Photochemical and Photobiological Sciences</i> , 2018, , 213-234. | 0.3 | 1 |
| 25 | Omics Advances of Biosynthetic Pathways of Isoprenoid Production in Microalgae. , 2016, , 35-58. | | 0 |