

Kyria Boundy-Mills

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,178
citations

279701

23
h-index

223716

46
g-index

50
all docs

50
docs citations

50
times ranked

2964
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Oleaginous yeasts for biodiesel: Current and future trends in biology and production. <i>Biotechnology Advances</i> , 2014, 32, 1336-1360. | 6.0 | 361 |
| 2 | Manipulation of culture conditions alters lipid content and fatty acid profiles of a wide variety of known and new oleaginous yeast species. <i>Bioresource Technology</i> , 2013, 144, 360-369. | 4.8 | 178 |
| 3 | Associations of Yeasts with Spotted-Wing Drosophila (<i>Drosophila suzukii</i> ; Diptera: Drosophilidae) in Cherries and Raspberries. <i>Applied and Environmental Microbiology</i> , 2012, 78, 4869-4873. | 1.4 | 171 |
| 4 | An improved high-throughput Nile red fluorescence assay for estimating intracellular lipids in a variety of yeast species. <i>Journal of Microbiological Methods</i> , 2012, 91, 321-328. | 0.7 | 139 |
| 5 | Accumulation of High-Value Lipids in Single-Cell Microorganisms: A Mechanistic Approach and Future Perspectives. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2709-2727. | 2.4 | 127 |
| 6 | Carbon source utilization and inhibitor tolerance of 45 oleaginous yeast species. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 1061-1070. | 1.4 | 116 |
| 7 | The D1/D2 domain of the large-subunit rDNA of the yeast species is unusually polymorphic. <i>FEMS Yeast Research</i> , 2003, 4, 253-258. | 1.1 | 107 |
| 8 | A new perspective on microbial landscapes within food production. <i>Current Opinion in Biotechnology</i> , 2016, 37, 182-189. | 3.3 | 100 |
| 9 | Effects of pectinolytic yeast on the microbial composition and spoilage of olive fermentations. <i>Food Microbiology</i> , 2013, 33, 97-106. | 2.1 | 65 |
| 10 | Natural Product Libraries to Accelerate the High-Throughput Discovery of Therapeutic Leads. <i>Journal of Natural Products</i> , 2011, 74, 2545-2555. | 1.5 | 59 |
| 11 | Identification of oleaginous yeast strains able to accumulate high intracellular lipids when cultivated in alkaline pretreated corn stover. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7645-7657. | 1.7 | 55 |
| 12 | Volatile Emissions from an Epiphytic Fungus are Semiochemicals for Eusocial Wasps. <i>Microbial Ecology</i> , 2012, 64, 1056-1063. | 1.4 | 54 |
| 13 | Eighteen new oleaginous yeast species. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 887-900. | 1.4 | 53 |
| 14 | Extracellular fungal polyol lipids: A new class of potential high value lipids. <i>Biotechnology Advances</i> , 2018, 36, 397-414. | 6.0 | 42 |
| 15 | Yeast culture collections in the twenty-first century: new opportunities and challenges. <i>Yeast</i> , 2016, 33, 243-260. | 0.8 | 37 |
| 16 | Yeast tolerance to the ionic liquid 1-ethyl-3-methylimidazolium acetate. <i>FEMS Yeast Research</i> , 2014, 14, 1286-1294. | 1.1 | 36 |
| 17 | The global catalogue of microorganisms 10K type strain sequencing project: closing the genomic gaps for the validly published prokaryotic and fungi species. <i>GigaScience</i> , 2018, 7, . | 3.3 | 35 |
| 18 | The United States Culture Collection Network (USCCN): Enhancing Microbial Genomics Research through Living Microbe Culture Collections. <i>Applied and Environmental Microbiology</i> , 2015, 81, 5671-5674. | 1.4 | 33 |

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|----|--|-----|-----------|
| 19 | Molecular diversity and intragenomic variability in the yeast genus <i>Xanthophyllomyces</i> : the origin of <i>Phaffia rhodozyma</i> ?. <i>FEMS Yeast Research</i> , 2007, 7, 1399-1408. | 1.1 | 31 |
| 20 | The U.S. Culture Collection Network Responding to the Requirements of the Nagoya Protocol on Access and Benefit Sharing. <i>MBio</i> , 2017, 8, . | 1.8 | 30 |
| 21 | Identification of oleaginous yeasts that metabolize aromatic compounds. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 801-813. | 1.4 | 26 |
| 22 | Review of the Gross Anatomy and Microbiology of the Phasmatodea Digestive Tract. <i>Journal of Orthoptera Research</i> , 2015, 24, 29-40. | 0.4 | 25 |
| 23 | Multiplatform Mass Spectrometry-Based Approach Identifies Extracellular Glycolipids of the Yeast <i>Rhodotorula babjevae</i> UCDFST 04-877. <i>Journal of Natural Products</i> , 2016, 79, 2580-2589. | 1.5 | 24 |
| 24 | Yeast culture collections of the world: meeting the needs of industrial researchers. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 673-680. | 1.4 | 23 |
| 25 | Microbial Lipid Alternatives to Plant Lipids. <i>Methods in Molecular Biology</i> , 2019, 1995, 1-32. | 0.4 | 20 |
| 26 | Discovery of synthesis and secretion of polyol esters of fatty acids by four basidiomycetous yeast species in the order Sporidiobolales. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 923-936. | 1.4 | 19 |
| 27 | Yeasts from temperate forests. <i>Yeast</i> , 2022, 39, 4-24. | 0.8 | 18 |
| 28 | Simultaneous production of intracellular triacylglycerols and extracellular polyol esters of fatty acids by <i>Rhodotorula babjevae</i> and <i>Rhodotorula</i> aff. <i>paludigena</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 1397-1413. | 1.4 | 17 |
| 29 | Description of <i>Komagataella mondavorium</i> sp. nov., a new sibling species of <i>Komagataella (Pichia) pastoris</i> . <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1197-1207. | 0.7 | 16 |
| 30 | (+)-Altholactone exhibits broad spectrum immune modulating activity by inhibiting the activation of pro-inflammatory cytokines in RAW 264.7 cell lines. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4358-4364. | 1.4 | 15 |
| 31 | Olive Fruit Fly, <i>Bactrocera oleae</i> (Diptera: Tephritidae), Attraction to Volatile Compounds Produced by Host and Insect-Associated Yeast Strains. <i>Journal of Economic Entomology</i> , 2020, 113, 752-759. | 0.8 | 13 |
| 32 | Nomenclatural issues concerning cultured yeasts and other fungi: why it is important to avoid unneeded name changes. <i>IMA Fungus</i> , 2021, 12, 18. | 1.7 | 13 |
| 33 | <i>Pichia insulana</i> sp. nov., a novel cactophilic yeast from the Caribbean. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 1001-1007. | 0.8 | 12 |
| 34 | Effects of Exogenous Yeast and Bacteria on the Microbial Population Dynamics and Outcomes of Olive Fermentations. <i>MSphere</i> , 2017, 2, . | 1.3 | 9 |
| 35 | 1-Ethyl-3-methylimidazolium tolerance and intracellular lipid accumulation of 38 oleaginous yeast species. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 8621-8631. | 1.7 | 9 |
| 36 | Ethanol production in switchgrass hydrolysate by ionic liquid-tolerant yeasts. <i>Bioresource Technology Reports</i> , 2019, 7, 100275. | 1.5 | 9 |

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|----|---|-----|-----------|
| 37 | Attraction of the Green Lacewing <i>Chrysoperla comanche</i> (Neuroptera: Chrysopidae) to Yeast. <i>Journal of Chemical Ecology</i> , 2019, 45, 388-391. | 0.9 | 9 |
| 38 | Preserving US microbe collections sparks future discoveries. <i>Journal of Applied Microbiology</i> , 2020, 129, 162-174. | 1.4 | 9 |
| 39 | The U.S. Culture Collection Network Lays the Foundation for Progress in Preservation of Valuable Microbial Resources. <i>Phytopathology</i> , 2016, 106, 532-540. | 1.1 | 8 |
| 40 | 4 Genome Data Drives Change at Culture Collections. , 2014, , 81-96. | | 8 |
| 41 | Conversion of cassava leaf to bioavailable, high-protein yeast cell biomass. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 3034-3044. | 1.7 | 7 |
| 42 | Yeasts Associated with the Olive Fruit Fly <i>Bactrocera oleae</i> (Rossi) (Diptera: Tephritidae) Lead to New Attractants. <i>Agronomy</i> , 2020, 10, 1501. | 1.3 | 7 |
| 43 | Ionic Liquid Tolerance of Yeasts in Family Dipodascaceae and Genus <i>Wickerhamomyces</i> . <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 1580-1593. | 1.4 | 7 |
| 44 | The challenges faced by living stock collections in the USA. <i>ELife</i> , 2017, 6, . | 2.8 | 7 |
| 45 | Meeting report: 2nd workshop of the United States culture collection network (May 19-21, 2014, State) Tj ETQq1.1 0.784314 rgB | 1.5 | 6 |
| 46 | The Cdc25/Ras/cAMP-dependent protein kinase A signaling pathway regulates proline utilization in wine yeast <i>Saccharomyces cerevisiae</i> under a wine fermentation model. <i>Bioscience, Biotechnology and Biochemistry</i> , 2022, 86, 1318-1326. | 0.6 | 6 |
| 47 | Census of Yeasts Isolated from Natural Ecosystem and Conserved in Worldwide Collections. , 2017, , 455-476. | | 4 |
| 48 | Methods for the Isolation and Investigation of the Diversity of Cold-Adapted Yeasts and Their Ex Situ Preservation in Worldwide Collections. , 2014, , 23-45. | | 2 |
| 49 | Laboratory Screening Protocol to Identify Novel Oleaginous Yeasts. <i>Methods in Molecular Biology</i> , 2019, 1995, 33-50. | 0.4 | 1 |