

Vanessa V Phelan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1032350/publications.pdf>

Version: 2024-02-01

25
papers

5,115
citations

361296

20
h-index

552653

26
g-index

29
all docs

29
docs citations

29
times ranked

7309
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016, 34, 828-837. | 9.4 | 2,802 |
| 2 | Feature-based molecular networking in the GNPS analysis environment. <i>Nature Methods</i> , 2020, 17, 905-908. | 9.0 | 650 |
| 3 | MS/MS networking guided analysis of molecule and gene cluster families. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2611-20. | 3.3 | 250 |
| 4 | Interkingdom metabolic transformations captured by microbial imaging mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13811-13816. | 3.3 | 220 |
| 5 | Microbial metabolic exchange—the chemotype-to-phenotype link. <i>Nature Chemical Biology</i> , 2012, 8, 26-35. | 3.9 | 199 |
| 6 | Primer on Agar-Based Microbial Imaging Mass Spectrometry. <i>Journal of Bacteriology</i> , 2012, 194, 6023-6028. | 1.0 | 133 |
| 7 | Benzodiazepine Biosynthesis in <i>Streptomyces refuineus</i> . <i>Chemistry and Biology</i> , 2007, 14, 691-701. | 6.2 | 88 |
| 8 | Microbial, host and xenobiotic diversity in the cystic fibrosis sputum metabolome. <i>ISME Journal</i> , 2016, 10, 1483-1498. | 4.4 | 88 |
| 9 | Microbial metabolic exchange in 3D. <i>ISME Journal</i> , 2013, 7, 770-780. | 4.4 | 73 |
| 10 | Natural products as mediators of disease. <i>Natural Product Reports</i> , 2017, 34, 194-219. | 5.2 | 59 |
| 11 | Microbiome and metabolome data integration provides insight into health and disease. <i>Translational Research</i> , 2017, 189, 51-64. | 2.2 | 58 |
| 12 | Lipophilic Mediated Assays for γ -Hematin Inhibitors. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2010, 13, 285-292. | 0.6 | 53 |
| 13 | Adenylation Enzyme Characterization Using γ - ¹⁸ O-ATP Pyrophosphate Exchange. <i>Chemistry and Biology</i> , 2009, 16, 473-478. | 6.2 | 52 |
| 14 | Optimizing sequencing protocols for leaderboard metagenomics by combining long and short reads. <i>Genome Biology</i> , 2019, 20, 226. | 3.8 | 47 |
| 15 | Exogenous Alginate Protects <i>Staphylococcus aureus</i> from Killing by <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2020, 202, . | 1.0 | 42 |
| 16 | Mass Spectrometry Analysis of <i>Pseudomonas aeruginosa</i> Treated with Azithromycin. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 873-877. | 1.2 | 38 |
| 17 | GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser. <i>Nature Methods</i> , 2022, 19, 134-136. | 9.0 | 35 |
| 18 | <i>Bacillus cereus</i> Phosphopentomutase Is an Alkaline Phosphatase Family Member That Exhibits an Altered Entry Point into the Catalytic Cycle. <i>Journal of Biological Chemistry</i> , 2011, 286, 8043-8054. | 1.6 | 34 |

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|----|---|-----|-----------|
| 19 | Impact of a Transposon Insertion in <i>phzF2</i> on the Specialized Metabolite Production and Interkingdom Interactions of <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2014, 196, 1683-1693. | 1.0 | 33 |
| 20 | Model Systems to Study the Chronic, Polymicrobial Infections in Cystic Fibrosis: Current Approaches and Exploring Future Directions. <i>MBio</i> , 2021, 12, e0176321. | 1.8 | 26 |
| 21 | Phosphonopeptide K-26 biosynthetic intermediates in <i>Astrosporangium hypotensionis</i> . <i>Chemical Communications</i> , 2006, , 4518. | 2.2 | 24 |
| 22 | Feature-Based Molecular Networking for Metabolite Annotation. <i>Methods in Molecular Biology</i> , 2020, 2104, 227-243. | 0.4 | 21 |
| 23 | Impact of Artificial Sputum Medium Formulation on <i>Pseudomonas aeruginosa</i> Secondary Metabolite Production. <i>Journal of Bacteriology</i> , 2021, 203, e0025021. | 1.0 | 18 |
| 24 | Reassembly of Anthramycin Biosynthetic Gene Cluster by Using Recombinogenic Cassettes. <i>ChemBioChem</i> , 2008, 9, 1603-1608. | 1.3 | 15 |
| 25 | Spray-Based Application of Matrix to Agar-Based Microbial Samples for Reproducible Sample Adherence in MALDI MSI. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 731-734. | 1.2 | 5 |