

Vanessa V Phelan

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

5,115
citations

361413

20
h-index

552781

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.	17.5	2,802
2	Feature-based molecular networking in the GNPS analysis environment. <i>Nature Methods</i> , 2020, 17, 905-908.	19.0	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.	7.1	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.	7.1	220
5	Microbial metabolic exchange—the chemotype-to-phenotype link. <i>Nature Chemical Biology</i> , 2012, 8, 26-35.	8.0	199
6	Primer on Agar-Based Microbial Imaging Mass Spectrometry. <i>Journal of Bacteriology</i> , 2012, 194, 6023-6028.	2.2	133
7	Benzodiazepine Biosynthesis in <i>Streptomyces refuineus</i> . <i>Chemistry and Biology</i> , 2007, 14, 691-701.	6.0	88
8	Microbial, host and xenobiotic diversity in the cystic fibrosis sputum metabolome. <i>ISME Journal</i> , 2016, 10, 1483-1498.	9.8	88
9	Microbial metabolic exchange in 3D. <i>ISME Journal</i> , 2013, 7, 770-780.	9.8	73
10	Natural products as mediators of disease. <i>Natural Product Reports</i> , 2017, 34, 194-219.	10.3	59
11	Microbiome and metabolome data integration provides insight into health and disease. <i>Translational Research</i> , 2017, 189, 51-64.	5.0	58
12	Lipophilic Mediated Assays for γ -Hematin Inhibitors. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2010, 13, 285-292.	1.1	53
13	Adenylation Enzyme Characterization Using γ - ¹⁸ O-ATP Pyrophosphate Exchange. <i>Chemistry and Biology</i> , 2009, 16, 473-478.	6.0	52
14	Optimizing sequencing protocols for leaderboard metagenomics by combining long and short reads. <i>Genome Biology</i> , 2019, 20, 226.	8.8	47
15	Exogenous Alginate Protects <i>Staphylococcus aureus</i> from Killing by <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	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.	2.8	38
17	GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser. <i>Nature Methods</i> , 2022, 19, 134-136.	19.0	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.	3.4	34

#	ARTICLE	IF	CITATIONS
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.	2.2	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.	4.1	26
21	Phosphonopeptide K-26 biosynthetic intermediates in <i>Astrosporangium hypotensionis</i> . <i>Chemical Communications</i> , 2006, , 4518.	4.1	24
22	Feature-Based Molecular Networking for Metabolite Annotation. <i>Methods in Molecular Biology</i> , 2020, 2104, 227-243.	0.9	21
23	Impact of Artificial Sputum Medium Formulation on <i>Pseudomonas aeruginosa</i> Secondary Metabolite Production. <i>Journal of Bacteriology</i> , 2021, 203, e0025021.	2.2	18
24	Reassembly of Anthramycin Biosynthetic Gene Cluster by Using Recombinogenic Cassettes. <i>ChemBioChem</i> , 2008, 9, 1603-1608.	2.6	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.	2.8	5