

Pieter C Dorrestein

List of Publications by Year in descending order

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287
papers

40,502
citations

6592

79
h-index

3563

181
g-index

344
all docs

344
docs citations

344
times ranked

38564
citing authors

#	ARTICLE	IF	CITATIONS
1	Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. <i>Nature Biotechnology</i> , 2019, 37, 852-857.	9.4	11,167
2	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
3	Best practices for analysing microbiomes. <i>Nature Reviews Microbiology</i> , 2018, 16, 410-422.	13.6	1,138
4	SIRIUS 4: a rapid tool for turning tandem mass spectra into metabolite structure information. <i>Nature Methods</i> , 2019, 16, 299-302.	9.0	822
5	Mass spectral molecular networking of living microbial colonies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1743-52.	3.3	804
6	Antimicrobials from human skin commensal bacteria protect against <i>Staphylococcus aureus</i> and are deficient in atopic dermatitis. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	744
7	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	3.9	715
8	Feature-based molecular networking in the GNPS analysis environment. <i>Nature Methods</i> , 2020, 17, 905-908.	9.0	650
9	American Gut: an Open Platform for Citizen Science Microbiome Research. <i>MSystems</i> , 2018, 3, .	1.7	604
10	Microbiome-wide association studies link dynamic microbial consortia to disease. <i>Nature</i> , 2016, 535, 94-103.	13.7	595
11	Molecular Networking as a Dereplication Strategy. <i>Journal of Natural Products</i> , 2013, 76, 1686-1699.	1.5	475
12	Qiita: rapid, web-enabled microbiome meta-analysis. <i>Nature Methods</i> , 2018, 15, 796-798.	9.0	459
13	Specialized Metabolites from the Microbiome in Health and Disease. <i>Cell Metabolism</i> , 2014, 20, 719-730.	7.2	454
14	Cultivation of a human-associated TM7 phylotype reveals a reduced genome and epibiotic parasitic lifestyle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 244-249.	3.3	405
15	Inflammation-induced IgA+ cells dismantle anti-liver cancer immunity. <i>Nature</i> , 2017, 551, 340-345.	13.7	396
16	Illuminating the dark matter in metabolomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12549-12550.	3.3	387
17	Reproducible molecular networking of untargeted mass spectrometry data using GNPS. <i>Nature Protocols</i> , 2020, 15, 1954-1991.	5.5	344
18	A mass spectrometry-guided genome mining approach for natural product peptidogenomics. <i>Nature Chemical Biology</i> , 2011, 7, 794-802.	3.9	329

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19	Systematic classification of unknown metabolites using high-resolution fragmentation mass spectra. <i>Nature Biotechnology</i> , 2021, 39, 462-471.	9.4	317
20	Global chemical effects of the microbiome include new bile-acid conjugations. <i>Nature</i> , 2020, 579, 123-129.	13.7	316
21	Molecular cartography of the human skin surface in 3D. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2120-9.	3.3	288
22	Balance Trees Reveal Microbial Niche Differentiation. <i>MSystems</i> , 2017, 2, .	1.7	284
23	The Natural Products Atlas: An Open Access Knowledge Base for Microbial Natural Products Discovery. <i>ACS Central Science</i> , 2019, 5, 1824-1833.	5.3	258
24	Finding the Missing Links among Metabolites, Microbes, and the Host. <i>Immunity</i> , 2014, 40, 824-832.	6.6	256
25	Deciphering ocean carbon in a changing world. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3143-3151.	3.3	253
26	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
27	Molecular Networking As a Drug Discovery, Drug Metabolism, and Precision Medicine Strategy. <i>Trends in Pharmacological Sciences</i> , 2017, 38, 143-154.	4.0	250
28	MolNetEnhancer: Enhanced Molecular Networks by Integrating Metabolome Mining and Annotation Tools. <i>Metabolites</i> , 2019, 9, 144.	1.3	245
29	Propagating annotations of molecular networks using in silico fragmentation. <i>PLoS Computational Biology</i> , 2018, 14, e1006089.	1.5	242
30	Bioactivity-Based Molecular Networking for the Discovery of Drug Leads in Natural Product Bioassay-Guided Fractionation. <i>Journal of Natural Products</i> , 2018, 81, 758-767.	1.5	237
31	The Intestinal Metabolome: An Intersection Between Microbiota and Host. <i>Gastroenterology</i> , 2014, 146, 1470-1476.	0.6	227
32	Translating metabolic exchange with imaging mass spectrometry. <i>Nature Chemical Biology</i> , 2009, 5, 885-887.	3.9	220
33	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
34	Dereplication of microbial metabolites through database search of mass spectra. <i>Nature Communications</i> , 2018, 9, 4035.	5.8	220
35	Microbial metabolic exchange – the chemotype-to-phenotype link. <i>Nature Chemical Biology</i> , 2012, 8, 26-35.	3.9	199
36	A unified initiative to harness Earth's microbiomes. <i>Science</i> , 2015, 350, 507-508.	6.0	195

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37	Microbiome 101: Studying, Analyzing, and Interpreting Gut Microbiome Data for Clinicians. <i>Clinical Gastroenterology and Hepatology</i> , 2019, 17, 218-230.	2.4	187
38	Dereplication of peptidic natural products through database search of mass spectra. <i>Nature Chemical Biology</i> , 2017, 13, 30-37.	3.9	184
39	Learning representations of microbial metabolite interactions. <i>Nature Methods</i> , 2019, 16, 1306-1314.	9.0	184
40	Imaging mass spectrometry of intraspecies metabolic exchange revealed the cannibalistic factors of <i>Bacillus subtilis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16286-16290.	3.3	179
41	Mass spectrometry of natural products: current, emerging and future technologies. <i>Natural Product Reports</i> , 2014, 31, 718.	5.2	165
42	Mass spectrometry searches using MASST. <i>Nature Biotechnology</i> , 2020, 38, 23-26.	9.4	160
43	Combining Mass Spectrometric Metabolic Profiling with Genomic Analysis: A Powerful Approach for Discovering Natural Products from Cyanobacteria. <i>Journal of Natural Products</i> , 2015, 78, 1671-1682.	1.5	156
44	Bacterial Biosynthesis and Maturation of the Didemnin Anti-cancer Agents. <i>Journal of the American Chemical Society</i> , 2012, 134, 8625-8632.	6.6	155
45	Molecular Networking and Pattern-Based Genome Mining Improves Discovery of Biosynthetic Gene Clusters and their Products from <i>Salinispora</i> Species. <i>Chemistry and Biology</i> , 2015, 22, 460-471.	6.2	150
46	Mass spectrometry-based metabolomics in microbiome investigations. <i>Nature Reviews Microbiology</i> , 2022, 20, 143-160.	13.6	148
47	Global chemical analysis of biology by mass spectrometry. <i>Nature Reviews Chemistry</i> , 2017, 1, .	13.8	146
48	Primer on Agar-Based Microbial Imaging Mass Spectrometry. <i>Journal of Bacteriology</i> , 2012, 194, 6023-6028.	1.0	133
49	Automated Genome Mining of Ribosomal Peptide Natural Products. <i>ACS Chemical Biology</i> , 2014, 9, 1545-1551.	1.6	133
50	NPClassifier: A Deep Neural Network-Based Structural Classification Tool for Natural Products. <i>Journal of Natural Products</i> , 2021, 84, 2795-2807.	1.5	131
51	Significance estimation for large scale metabolomics annotations by spectral matching. <i>Nature Communications</i> , 2017, 8, 1494.	5.8	128
52	Proteasomal Protein Degradation in Mycobacteria Is Dependent upon a Prokaryotic Ubiquitin-like Protein. <i>Journal of Biological Chemistry</i> , 2009, 284, 3069-3075.	1.6	126
53	Heavy metal exposure causes changes in the metabolic health-associated gut microbiome and metabolites. <i>Environment International</i> , 2019, 126, 454-467.	4.8	125
54	Indexing the <i>Pseudomonas</i> specialized metabolome enabled the discovery of poaeamide B and the bananamides. <i>Nature Microbiology</i> , 2017, 2, 16197.	5.9	121

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55	Ion identity molecular networking for mass spectrometry-based metabolomics in the GNPS environment. <i>Nature Communications</i> , 2021, 12, 3832.	5.8	119
56	Linking genomics and metabolomics to chart specialized metabolic diversity. <i>Chemical Society Reviews</i> , 2020, 49, 3297-3314.	18.7	114
57	A Convolutional Neural Network-Based Approach for the Rapid Annotation of Molecularly Diverse Natural Products. <i>Journal of the American Chemical Society</i> , 2020, 142, 4114-4120.	6.6	114
58	Emerging Priorities for Microbiome Research. <i>Frontiers in Microbiology</i> , 2020, 11, 136.	1.5	113
59	Three-Dimensional Microbiome and Metabolome Cartography of a Diseased Human Lung. <i>Cell Host and Microbe</i> , 2017, 22, 705-716.e4.	5.1	111
60	Multi-omics analyses of the ulcerative colitis gut microbiome link <i>Bacteroides vulgatus</i> proteases with disease severity. <i>Nature Microbiology</i> , 2022, 7, 262-276.	5.9	110
61	Visualizing the spatial distribution of secondary metabolites produced by marine cyanobacteria and sponges via MALDI-TOF imaging. <i>Molecular BioSystems</i> , 2008, 4, 562.	2.9	109
62	The evolving field of imaging mass spectrometry and its impact on future biological research. <i>Journal of Mass Spectrometry</i> , 2011, 46, 209-222.	0.7	109
63	Microbial competition between <i>Bacillus subtilis</i> and <i>Staphylococcus aureus</i> monitored by imaging mass spectrometry. <i>Microbiology (United Kingdom)</i> , 2011, 157, 2485-2492.	0.7	108
64	<i>Ralstonia solanacearum</i> lipopeptide induces chlamydospore development in fungi and facilitates bacterial entry into fungal tissues. <i>ISME Journal</i> , 2016, 10, 2317-2330.	4.4	108
65	Prioritizing Natural Product Diversity in a Collection of 146 Bacterial Strains Based on Growth and Extraction Protocols. <i>Journal of Natural Products</i> , 2017, 80, 588-597.	1.5	105
66	Comparative genomics and metabolic profiling of the genus <i>Lysobacter</i> . <i>BMC Genomics</i> , 2015, 16, 991.	1.2	103
67	Database-independent molecular formula annotation using Gibbs sampling through ZODIAC. <i>Nature Machine Intelligence</i> , 2020, 2, 629-641.	8.3	103
68	The extracellular matrix protects <i>Bacillus subtilis</i> colonies from <i>Pseudomonas</i> invasion and modulates plant co-colonization. <i>Nature Communications</i> , 2019, 10, 1919.	5.8	102
69	Glycogenomics as a mass spectrometry-guided genome-mining method for microbial glycosylated molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4407-16.	3.3	101
70	The impact of skin care products on skin chemistry and microbiome dynamics. <i>BMC Biology</i> , 2019, 17, 47.	1.7	101
71	High-confidence structural annotation of metabolites absent from spectral libraries. <i>Nature Biotechnology</i> , 2022, 40, 411-421.	9.4	100
72	Thiopeptide antibiotics stimulate biofilm formation in <i>Bacillus subtilis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3086-3091.	3.3	98

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73	Targeted Capture and Heterologous Expression of the <i>Pseudoalteromonas</i> Alterochromide Gene Cluster in <i>Escherichia coli</i> Represents a Promising Natural Product Exploratory Platform. <i>ACS Synthetic Biology</i> , 2015, 4, 414-420.	1.9	98
74	Intermittent Hypoxia and Hypercapnia, a Hallmark of Obstructive Sleep Apnea, Alters the Gut Microbiome and Metabolome. <i>MSystems</i> , 2018, 3, .	1.7	96
75	Convergent evolution of pain-inducing defensive venom components in spitting cobras. <i>Science</i> , 2021, 371, 386-390.	6.0	96
76	High-Resolution Liquid Chromatography Tandem Mass Spectrometry Enables Large Scale Molecular Characterization of Dissolved Organic Matter. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	94
77	Mass Spectrometry Imaging Reveals Elevated Glomerular ATP/AMP in Diabetes/obesity and Identifies Sphingomyelin as a Possible Mediator. <i>EBioMedicine</i> , 2016, 7, 121-134.	2.7	93
78	Microbiome Tools for Forensic Science. <i>Trends in Biotechnology</i> , 2017, 35, 814-823.	4.9	93
79	Enzymatic resistance to the lipopeptide surfactin as identified through imaging mass spectrometry of bacterial competition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13082-13087.	3.3	92
80	Genome mining and metabolic profiling of the rhizosphere bacterium <i>Pseudomonas</i> sp. SH-C52 for antimicrobial compounds. <i>Frontiers in Microbiology</i> , 2015, 6, 693.	1.5	91
81	Mass spectral similarity for untargeted metabolomics data analysis of complex mixtures. <i>International Journal of Mass Spectrometry</i> , 2015, 377, 719-727.	0.7	90
82	Evolution of metabolic divergence in <i>Pseudomonas aeruginosa</i> during long-term infection facilitates a proto-cooperative interspecies interaction. <i>ISME Journal</i> , 2016, 10, 1323-1336.	4.4	89
83	Microbial, host and xenobiotic diversity in the cystic fibrosis sputum metabolome. <i>ISME Journal</i> , 2016, 10, 1483-1498.	4.4	88
84	3D molecular cartography using LC-MS facilitated by Optimus and 'ili software. <i>Nature Protocols</i> , 2018, 13, 134-154.	5.5	85
85	Home chemical and microbial transitions across urbanization. <i>Nature Microbiology</i> , 2020, 5, 108-115.	5.9	83
86	A <i>Cutibacterium acnes</i> antibiotic modulates human skin microbiota composition in hair follicles. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	83
87	Pep2Path: Automated Mass Spectrometry-Guided Genome Mining of Peptidic Natural Products. <i>PLoS Computational Biology</i> , 2014, 10, e1003822.	1.5	81
88	NRPquest: Coupling Mass Spectrometry and Genome Mining for Nonribosomal Peptide Discovery. <i>Journal of Natural Products</i> , 2014, 77, 1902-1909.	1.5	81
89	Consumption of Fermented Foods Is Associated with Systematic Differences in the Gut Microbiome and Metabolome. <i>MSystems</i> , 2020, 5, .	1.7	81
90	A community resource for paired genomic and metabolomic data mining. <i>Nature Chemical Biology</i> , 2021, 17, 363-368.	3.9	81

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91	Biochemical Establishment and Characterization of EncM TM 's Flavin-N5-oxide Cofactor. <i>Journal of the American Chemical Society</i> , 2015, 137, 8078-8085.	6.6	80
92	The medical threat of mamba envenoming in sub-Saharan Africa revealed by genus-wide analysis of venom composition, toxicity and antivenomics profiling of available antivenoms. <i>Journal of Proteomics</i> , 2018, 172, 173-189.	1.2	80
93	Imaging Mass Spectrometry and Genome Mining via Short Sequence Tagging Identified the Anti-Infective Agent Arylomycin in <i>Streptomyces roseosporus</i> . <i>Journal of the American Chemical Society</i> , 2011, 133, 18010-18013.	6.6	79
94	The spectral networks paradigm in high throughput mass spectrometry. <i>Molecular BioSystems</i> , 2012, 8, 2535.	2.9	79
95	Perspective: Dietary Biomarkers of Intake and Exposure—Exploration with Omics Approaches. <i>Advances in Nutrition</i> , 2020, 11, 200-215.	2.9	79
96	ReDU: a framework to find and reanalyze public mass spectrometry data. <i>Nature Methods</i> , 2020, 17, 901-904.	9.0	79
97	Auto-deconvolution and molecular networking of gas chromatography–mass spectrometry data. <i>Nature Biotechnology</i> , 2021, 39, 169-173.	9.4	78
98	From single cells to our planet—recent advances in using mass spectrometry for spatially resolved metabolomics. <i>Current Opinion in Chemical Biology</i> , 2017, 36, 24-31.	2.8	75
99	Impacts of the Human Gut Microbiome on Therapeutics. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 253-270.	4.2	74
100	Identification of the Bacterial Biosynthetic Gene Clusters of the Oral Microbiome Illuminates the Unexplored Social Language of Bacteria during Health and Disease. <i>MBio</i> , 2019, 10, .	1.8	73
101	Chemically informed analyses of metabolomics mass spectrometry data with Qemistree. <i>Nature Chemical Biology</i> , 2021, 17, 146-151.	3.9	73
102	MS/MS-based networking and peptidogenomics guided genome mining revealed the stenothricin gene cluster in <i>Streptomyces roseosporus</i> . <i>Journal of Antibiotics</i> , 2014, 67, 99-104.	1.0	64
103	Meta-omics uncover temporal regulation of pathways across oral microbiome genera during <i>in vitro</i> sugar metabolism. <i>ISME Journal</i> , 2015, 9, 2605-2619.	4.4	63
104	Visualizing life with ambient mass spectrometry. <i>Current Opinion in Biotechnology</i> , 2015, 31, 24-34.	3.3	62
105	Coupling Targeted and Untargeted Mass Spectrometry for Metabolome-Microbiome-Wide Association Studies of Human Fecal Samples. <i>Analytical Chemistry</i> , 2017, 89, 7549-7559.	3.2	62
106	Emerging mass spectrometry techniques for the direct analysis of microbial colonies. <i>Current Opinion in Microbiology</i> , 2014, 19, 120-129.	2.3	61
107	SPLASH, a hashed identifier for mass spectra. <i>Nature Biotechnology</i> , 2016, 34, 1099-1101.	9.4	61
108	Integrating Molecular Networking and Biological Assays To Target the Isolation of a Cytotoxic Cyclic Octapeptide, Samoamide A, from an American Samoan Marine Cyanobacterium. <i>Journal of Natural Products</i> , 2017, 80, 625-633.	1.5	60

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109	Imaging mass spectrometry and MS/MS molecular networking reveals chemical interactions among cuticular bacteria and pathogenic fungi associated with fungus-growing ants. <i>Scientific Reports</i> , 2017, 7, 5604.	1.6	60
110	Bioprospecting Portuguese Atlantic coast cyanobacteria for bioactive secondary metabolites reveals untapped chemodiversity. <i>Algal Research</i> , 2015, 9, 218-226.	2.4	59
111	Natural products as mediators of disease. <i>Natural Product Reports</i> , 2017, 34, 194-219.	5.2	59
112	Comprehensive mass spectrometry-guided phenotyping of plant specialized metabolites reveals metabolic diversity in the cosmopolitan plant family Rhamnaceae. <i>Plant Journal</i> , 2019, 98, 1134-1144.	2.8	59
113	Quantitative molecular networking to profile marine cyanobacterial metabolomes. <i>Journal of Antibiotics</i> , 2014, 67, 105-112.	1.0	58
114	Mortality Risk Profiling of <i>Staphylococcus aureus</i> Bacteremia by Multi-omic Serum Analysis Reveals Early Predictive and Pathogenic Signatures. <i>Cell</i> , 2020, 182, 1311-1327.e14.	13.5	58
115	Arginine methylation of HSP70 regulates retinoid acid-mediated <i>RARα2</i> gene activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3327-36.	3.3	57
116	Meta-mass shift chemical profiling of metabolomes from coral reefs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11685-11690.	3.3	57
117	Repeated sleep disruption in mice leads to persistent shifts in the fecal microbiome and metabolome. <i>PLoS ONE</i> , 2020, 15, e0229001.	1.1	56
118	Metabolomics of reef benthic interactions reveals a bioactive lipid involved in coral defence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160469.	1.2	55
119	Lifestyle chemistries from phones for individual profiling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7645-E7654.	3.3	55
120	An Integrated Metabolomic and Genomic Mining Workflow To Uncover the Biosynthetic Potential of Bacteria. <i>MSystems</i> , 2016, 1, .	1.7	55
121	Imaging Mass Spectrometry of a Coral Microbe Interaction with Fungi. <i>Journal of Chemical Ecology</i> , 2013, 39, 1045-1054.	0.9	53
122	Benchmark datasets for 3D MALDI- and DESI-imaging mass spectrometry. <i>GigaScience</i> , 2015, 4, 20.	3.3	53
123	From Sample to Multi-Omics Conclusions in under 48 Hours. <i>MSystems</i> , 2016, 1, .	1.7	53
124	Neutrophilic proteolysis in the cystic fibrosis lung correlates with a pathogenic microbiome. <i>Microbiome</i> , 2019, 7, 23.	4.9	53
125	Application of bacterial cytological profiling to crude natural product extracts reveals the antibacterial arsenal of <i>Bacillus subtilis</i> . <i>Journal of Antibiotics</i> , 2016, 69, 353-361.	1.0	52
126	Untargeted mass spectrometry-based metabolomics approach unveils molecular changes in raw and processed foods and beverages. <i>Food Chemistry</i> , 2020, 302, 125290.	4.2	52

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127	Molecular and chemical dialogues in bacteria-protozoa interactions. <i>Scientific Reports</i> , 2015, 5, 12837.	1.6	51
128	Environmentally Friendly Procedure Based on Supercritical Fluid Chromatography and Tandem Mass Spectrometry Molecular Networking for the Discovery of Potent Antiviral Compounds from <i>Euphorbia semiperfoliata</i> . <i>Journal of Natural Products</i> , 2017, 80, 2620-2629.	1.5	51
129	A multiomic analysis of in situ coral-turf algal interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13588-13595.	3.3	48
130	Multi-omics Analysis of Periodontal Pocket Microbial Communities Pre- and Posttreatment. <i>MSystems</i> , 2017, 2, .	1.7	47
131	Transcriptomics-guided bottom-up and top-down venomics of neonate and adult specimens of the arboreal rear-fanged Brown Treesnake, <i>Boiga irregularis</i> , from Guam. <i>Journal of Proteomics</i> , 2018, 174, 71-84.	1.2	47
132	High-Resolution Longitudinal Dynamics of the Cystic Fibrosis Sputum Microbiome and Metabolome through Antibiotic Therapy. <i>MSystems</i> , 2020, 5, .	1.7	47
133	MetaMiner: A Scalable Peptidogenomics Approach for Discovery of Ribosomal Peptide Natural Products with Blind Modifications from Microbial Communities. <i>Cell Systems</i> , 2019, 9, 600-608.e4.	2.9	46
134	Predicting proteome allocation, overflow metabolism, and metal requirements in a model acetogen. <i>PLoS Computational Biology</i> , 2019, 15, e1006848.	1.5	46
135	Lugdunomycin, an Angucycline-Derived Molecule with Unprecedented Chemical Architecture. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2809-2814.	7.2	46
136	Dietary prebiotics alter novel microbial dependent fecal metabolites that improve sleep. <i>Scientific Reports</i> , 2020, 10, 3848.	1.6	46
137	Metabolomics of pulmonary exacerbations reveals the personalized nature of cystic fibrosis disease. <i>PeerJ</i> , 2016, 4, e2174.	0.9	45
138	Mass Spectrometry-Based Visualization of Molecules Associated with Human Habitats. <i>Analytical Chemistry</i> , 2016, 88, 10775-10784.	3.2	44
139	Competitive strategies differentiate closely related species of marine actinobacteria. <i>ISME Journal</i> , 2016, 10, 478-490.	4.4	44
140	Targeted Isolation of Neuroprotective Dicoumaroyl Neolignans and Lignans from <i>Sageretia theezans</i> Using <i>in Silico</i> Molecular Network Annotation Propagation-Based Dereplication. <i>Journal of Natural Products</i> , 2018, 81, 1819-1828.	1.5	44
141	A metabolomics guided exploration of marine natural product chemical space. <i>Metabolomics</i> , 2016, 12, 1.	1.4	43
142	Expanding the Described Metabolome of the Marine Cyanobacterium <i>Moorea producens</i> JHB through Orthogonal Natural Products Workflows. <i>PLoS ONE</i> , 2015, 10, e0133297.	1.1	40
143	Niche partitioning of a pathogenic microbiome driven by chemical gradients. <i>Science Advances</i> , 2018, 4, eaau1908.	4.7	40
144	Assessing Specialized Metabolite Diversity in the Cosmopolitan Plant Genus <i>Euphorbia</i> L.. <i>Frontiers in Plant Science</i> , 2019, 10, 846.	1.7	40

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145	Assessment of the microbiome during bacteriophage therapy in combination with systemic antibiotics to treat a case of staphylococcal device infection. <i>Microbiome</i> , 2021, 9, 92.	4.9	40
146	Multiplex De Novo Sequencing of Peptide Antibiotics. <i>Journal of Computational Biology</i> , 2011, 18, 1371-1381.	0.8	39
147	Observing the invisible through imaging mass spectrometry, a window into the metabolic exchange patterns of microbes. <i>Journal of Proteomics</i> , 2012, 75, 5069-5076.	1.2	39
148	Mass spectrometry tools and workflows for revealing microbial chemistry. <i>Analyst</i> , 2015, 140, 4949-4966.	1.7	39
149	Role of secondary metabolites in the interaction between <i>Pseudomonas fluorescens</i> and soil microorganisms under iron-limited conditions. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw107.	1.3	39
150	A Genomic Toolkit for the Mechanistic Dissection of Intractable Human Gut Bacteria. <i>Cell Host and Microbe</i> , 2020, 27, 1001-1013.e9.	5.1	39
151	Experimental Chagas disease-induced perturbations of the fecal microbiome and metabolome. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006344.	1.3	39
152	Advancements in capturing and mining mass spectrometry data are transforming natural products research. <i>Natural Product Reports</i> , 2021, 38, 2066-2082.	5.2	38
153	Sequencing cyclic peptides by multistage mass spectrometry. <i>Proteomics</i> , 2011, 11, 3642-3650.	1.3	37
154	Molecular Networking: A Useful Tool for the Identification of New Psychoactive Substances in Seizures by LC-MS/MS. <i>Frontiers in Chemistry</i> , 2020, 8, 572952.	1.8	37
155	Diversity of Aquatic <i>Pseudomonas</i> Species and Their Activity against the Fish Pathogenic Oomycete <i>Saprolegnia</i> . <i>PLoS ONE</i> , 2015, 10, e0136241.	1.1	36
156	Homogeneous Matrix Deposition on Dried Agar for MALDI Imaging Mass Spectrometry of Microbial Cultures. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 1959-1962.	1.2	36
157	Spatial Molecular Architecture of the Microbial Community of a <i>Peltigera</i> Lichen. <i>MSystems</i> , 2016, 1, .	1.7	36
158	EMPress Enables Tree-Guided, Interactive, and Exploratory Analyses of Multi-omic Data Sets. <i>MSystems</i> , 2021, 6, .	1.7	36
159	Mass Spectrometry-Based Chemical Cartography of a Cardiac Parasitic Infection. <i>Analytical Chemistry</i> , 2017, 89, 10414-10421.	3.2	35
160	Siderophore-mediated zinc acquisition enhances enterobacterial colonization of the inflamed gut. <i>Nature Communications</i> , 2021, 12, 7016.	5.8	35
161	GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser. <i>Nature Methods</i> , 2022, 19, 134-136.	9.0	35
162	$\hat{1}\pm, \hat{1}^2 \hat{a}^{\dagger} \hat{1}^2, \hat{1}^3$ double bond migration in coralopyronin A biosynthesis. <i>Chemical Science</i> , 2013, 4, 4175.	3.7	34

#	ARTICLE	IF	CITATIONS
163	Creating a 3D microbial and chemical snapshot of a human habitat. <i>Scientific Reports</i> , 2018, 8, 3669.	1.6	34
164	<i>Ruminiclostridium 5</i> , <i>Parabacteroides distasonis</i> , and bile acid profile are modulated by prebiotic diet and associate with facilitated sleep/clock realignment after chronic disruption of rhythms. <i>Brain, Behavior, and Immunity</i> , 2021, 97, 150-166.	2.0	34
165	Vitroprocines, new antibiotics against <i>Acinetobacter baumannii</i> , discovered from marine <i>Vibrio</i> sp. QWI-06 using mass-spectrometry-based metabolomics approach. <i>Scientific Reports</i> , 2015, 5, 12856.	1.6	33
166	Detection of Natural Products and Their Producers in Ocean Sediments. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	33
167	Non-targeted tandem mass spectrometry enables the visualization of organic matter chemotype shifts in coastal seawater. <i>Chemosphere</i> , 2021, 271, 129450.	4.2	33
168	Digitizing mass spectrometry data to explore the chemical diversity and distribution of marine cyanobacteria and algae. <i>ELife</i> , 2017, 6, .	2.8	33
169	Microscopy ambient ionization top-down mass spectrometry reveals developmental patterning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14855-14860.	3.3	31
170	Integrating genomics and metabolomics for scalable non-ribosomal peptide discovery. <i>Nature Communications</i> , 2021, 12, 3225.	5.8	31
171	A Maldii isotopic Approach to Discover Natural Products: Cryptomaldamide, a Hybrid Tripeptide from the Marine Cyanobacterium <i>Moorea producens</i> . <i>Journal of Natural Products</i> , 2017, 80, 1514-1521.	1.5	30
172	Metabolic Fingerprints from the Human Oral Microbiome Reveal a Vast Knowledge Gap of Secreted Small Peptidic Molecules. <i>MSystems</i> , 2017, 2, .	1.7	30
173	Tiny Earth: A Big Idea for STEM Education and Antibiotic Discovery. <i>MBio</i> , 2021, 12, .	1.8	30
174	Direct Detection of Fungal Siderophores on Bats with White-Nose Syndrome via Fluorescence Microscopy-Guided Ambient Ionization Mass Spectrometry. <i>PLoS ONE</i> , 2015, 10, e0119668.	1.1	30
175	Multi-omics of human plasma reveals molecular features of dysregulated inflammation and accelerated aging in schizophrenia. <i>Molecular Psychiatry</i> , 2022, 27, 1217-1225.	4.1	30
176	Native mass spectrometry-based metabolomics identifies metal-binding compounds. <i>Nature Chemistry</i> , 2022, 14, 100-109.	6.6	30
177	<i>Bacillus subtilis</i> biofilm matrix components target seed oil bodies to promote growth and anti-fungal resistance in melon. <i>Nature Microbiology</i> , 2022, 7, 1001-1015.	5.9	30
178	Total Synthesis and Biological Assessment of Novel Albididins Discovered by Mass Spectrometric Networking. <i>Chemistry - A European Journal</i> , 2017, 23, 15316-15321.	1.7	29
179	Spongiosine Production by a <i>Vibrio harveyi</i> Strain Associated with the Sponge <i>Tectitethya crypta</i> . <i>Journal of Natural Products</i> , 2015, 78, 493-499.	1.5	28
180	De Novo Peptide Sequencing Reveals Many Cyclopeptides in the Human Gut and Other Environments. <i>Cell Systems</i> , 2020, 10, 99-108.e5.	2.9	28

#	ARTICLE	IF	CITATIONS
181	Chemical interplay and complementary adaptative strategies toggle bacterial antagonism and co-existence. <i>Cell Reports</i> , 2021, 36, 109449.	2.9	28
182	Distinguishing the molecular diversity, nutrient content, and energetic potential of exometabolomes produced by macroalgae and reef-building corals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	28
183	Are microbiome studies ready for hypothesis-driven research?. <i>Current Opinion in Microbiology</i> , 2018, 44, 61-69.	2.3	27
184	Multimiomics Analysis Provides Insight into the Laboratory Evolution of <i>Escherichia coli</i> toward the Metabolic Usage of Fluorinated Indoles. <i>ACS Central Science</i> , 2021, 7, 81-92.	5.3	27
185	Intermittent Hypoxia and Hypercapnia Alter Diurnal Rhythms of Luminal Gut Microbiome and Metabolome. <i>MSystems</i> , 2021, 6, e0011621.	1.7	27
186	Leucanicidin and Endophenazines Result from Methyl-Rhamnosylation by the Same Tailoring Enzymes in <i>Kitasatospora</i> sp. MBT66. <i>ACS Chemical Biology</i> , 2016, 11, 478-490.	1.6	25
187	Gastrointestinal Surgery for Inflammatory Bowel Disease Persistently Lowers Microbiome and Metabolome Diversity. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 603-616.	0.9	25
188	Enhancing untargeted metabolomics using metadata-based source annotation. <i>Nature Biotechnology</i> , 2022, 40, 1774-1779.	9.4	25
189	Secondary Metabolomics: Natural Products Mass Spectrometry Goes Global. <i>ACS Chemical Biology</i> , 2009, 4, 599-601.	1.6	24
190	Plasticity of <i>Streptomyces coelicolor</i> Membrane Composition Under Different Growth Conditions and During Development. <i>Frontiers in Microbiology</i> , 2015, 6, 1465.	1.5	24
191	Antibiotic discovery is a walk in the park. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14477-14479.	3.3	24
192	Mass Spectrometry Based Molecular 3D-Cartography of Plant Metabolites. <i>Frontiers in Plant Science</i> , 2017, 8, 429.	1.7	24
193	Investigation of Premyrininane and Myrsininane Esters in <i>Euphorbia cupanii</i> and <i>Euphorbia pithyusa</i> with MS2LDA and Combinatorial Molecular Network Annotation Propagation. <i>Journal of Natural Products</i> , 2019, 82, 1459-1470.	1.5	24
194	Intermittent Hypoxia and Hypercapnia Reproducibly Change the Gut Microbiome and Metabolome across Rodent Model Systems. <i>MSystems</i> , 2019, 4, .	1.7	24
195	Tundrenone: An Atypical Secondary Metabolite from Bacteria with Highly Restricted Primary Metabolism. <i>Journal of the American Chemical Society</i> , 2018, 140, 2002-2006.	6.6	23
196	Molecular and Microbial Microenvironments in Chronically Diseased Lungs Associated with Cystic Fibrosis. <i>MSystems</i> , 2019, 4, .	1.7	23
197	Cytotoxic Microcolin Lipopeptides from the Marine Cyanobacterium <i>Moorea producens</i> . <i>Journal of Natural Products</i> , 2019, 82, 2608-2619.	1.5	23
198	Viscosin-like lipopeptides from frog skin bacteria inhibit <i>Aspergillus fumigatus</i> and <i>Batrachochytrium dendrobatidis</i> detected by imaging mass spectrometry and molecular networking. <i>Scientific Reports</i> , 2019, 9, 3019.	1.6	23

#	ARTICLE	IF	CITATIONS
199	Heterologous Expression of Cryptomaldamide in a Cyanobacterial Host. ACS Synthetic Biology, 2020, 9, 3364-3376.	1.9	23
200	Virulence as a Side Effect of Interspecies Interaction in <i>Vibrio</i> Coral Pathogens. MBio, 2020, 11, .	1.8	23
201	Chemical Proportionality within Molecular Networks. Analytical Chemistry, 2021, 93, 12833-12839.	3.2	22
202	Mass Spectrometry Uncovers the Role of Surfactin as an Interspecies Recruitment Factor. ACS Chemical Biology, 2019, 14, 459-467.	1.6	21
203	Genomic and Metabolomic Analysis of the Potato Common Scab Pathogen <i>Streptomyces scabiei</i> . ACS Omega, 2021, 6, 11474-11487.	1.6	21
204	Before platelets: the production of platelet-activating factor during growth and stress in a basal marine organism. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181307.	1.2	20
205	Comparative Genomics and Metabolomics Analyses of Clavulanic Acid-Producing <i>Streptomyces</i> Species Provides Insight Into Specialized Metabolism. Frontiers in Microbiology, 2019, 10, 2550.	1.5	20
206	Cystic Fibrosis Rapid Response: Translating Multi-omics Data into Clinically Relevant Information. MBio, 2019, 10, .	1.8	20
207	Influence of Intermittent Hypoxia/Hypercapnia on Atherosclerosis, Gut Microbiome, and Metabolome. Frontiers in Physiology, 2021, 12, 663950.	1.3	20
208	Molecular inter-kingdom interactions of endophytes isolated from <i>Lichnophora ericoides</i> . Scientific Reports, 2017, 7, 5373.	1.6	19
209	Paroxetine Administration Affects Microbiota and Bile Acid Levels in Mice. Frontiers in Psychiatry, 2020, 11, 518.	1.3	19
210	A Multi-Omics Characterization of the Natural Product Potential of Tropical Filamentous Marine Cyanobacteria. Marine Drugs, 2021, 19, 20.	2.2	19
211	A UHPLC-HRMS based metabolomics and chemoinformatics approach to chemically distinguish "super foods" from a variety of plant-based foods. Food Chemistry, 2020, 313, 126071.	4.2	18
212	Spatial metabolomics identifies localized chemical changes in heart tissue during chronic cardiac Chagas Disease. PLoS Neglected Tropical Diseases, 2021, 15, e0009819.	1.3	18
213	Microbial Skin Inhabitants: Friends Forever. Cell, 2016, 165, 771-772.	13.5	17
214	Expanding the Chemical Repertoire of the Endophyte <i>Streptomyces albospinus</i> RLe7 Reveals Amphotericin B as an Inducer of a Fungal Phenotype. Journal of Natural Products, 2017, 80, 1302-1309.	1.5	17
215	Initial Development toward Non-Invasive Drug Monitoring via Untargeted Mass Spectrometric Analysis of Human Skin. Analytical Chemistry, 2019, 91, 8062-8069.	3.2	17
216	Tandem Mass Spectrometry Molecular Networking as a Powerful and Efficient Tool for Drug Metabolism Studies. Analytical Chemistry, 2022, 94, 1456-1464.	3.2	17

#	ARTICLE	IF	CITATIONS
217	Lipopeptides from the Tropical Marine Cyanobacterium <i>Symploca</i> sp.. Journal of Natural Products, 2014, 77, 969-975.	1.5	16
218	Mechanism of Action of Thalassospiramides, A New Class of Calpain Inhibitors. Scientific Reports, 2015, 5, 8783.	1.6	16
219	Enhanced Characterization of Drug Metabolism and the Influence of the Intestinal Microbiome: A Pharmacokinetic, Microbiome, and Untargeted Metabolomics Study. Clinical and Translational Science, 2020, 13, 972-984.	1.5	16
220	Large-scale tandem mass spectrum clustering using fast nearest neighbor searching. Rapid Communications in Mass Spectrometry, 2021, , e9153.	0.7	16
221	SIMILE enables alignment of tandem mass spectra with statistical significance. Nature Communications, 2022, 13, 2510.	5.8	16
222	Assessing specialized metabolite diversity of <i>Alnus</i> species by a digitized LC-MS/MS data analysis workflow. Phytochemistry, 2020, 173, 112292.	1.4	15
223	Top-Down Atmospheric Ionization Mass Spectrometry Microscopy Combined With Proteogenomics. Analytical Chemistry, 2017, 89, 8251-8258.	3.2	14
224	Characterization of CA-MRSA TCH1516 exposed to nafcillin in bacteriological and physiological media. Scientific Data, 2019, 6, 43.	2.4	14
225	The Microbiome and Its Potential for Pharmacology. Handbook of Experimental Pharmacology, 2019, 260, 301-326.	0.9	14
226	Protocol for community-created public MS/MS reference spectra within the Global Natural Products Social Molecular Networking infrastructure. Rapid Communications in Mass Spectrometry, 2020, 34, e8725.	0.7	14
227	Discovery and Synthesis of Caracolamide A, an Ion Channel Modulating Dichlorovinylidene Containing Phenethylamide from a Panamanian Marine Cyanobacterium cf. <i>Symploca</i> Species. Journal of Natural Products, 2017, 80, 2328-2334.	1.5	13
228	The emergence of microbiome centres. Nature Microbiology, 2020, 5, 2-3.	5.9	13
229	Can Statistical Evaluation Tools for Chromatographic Method Development Assist in the Natural Products Workflow? A Case Study on Selected Species of the Plant Family Malpighiaceae. Journal of Natural Products, 2020, 83, 3239-3249.	1.5	13
230	Specialized Metabolites from Ribosome Engineered Strains of <i>Streptomyces clavuligerus</i> . Metabolites, 2021, 11, 239.	1.3	13
231	Trait-like vulnerability of higher-order cognition and ability to maintain wakefulness during combined sleep restriction and circadian misalignment. Sleep, 2019, 42, .	0.6	12
232	Computational Removal of Undesired Mass Spectral Features Possessing Repeat Units via a Kendrick Mass Filter. Journal of the American Society for Mass Spectrometry, 2019, 30, 268-277.	1.2	12
233	Fungal-bacterial interaction selects for quorum sensing mutants with increased production of natural antifungal compounds. Communications Biology, 2020, 3, 670.	2.0	12
234	Metabolome-Informed Microbiome Analysis Refines Metadata Classifications and Reveals Unexpected Medication Transfer in Captive Cheetahs. MSystems, 2020, 5, .	1.7	12

#	ARTICLE	IF	CITATIONS
235	Molecular Commerce on Coral Reefs: Using Metabolomics to Reveal Biochemical Exchanges Underlying Holobiont Biology and the Ecology of Coastal Ecosystems. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	12
236	Mammalian gut metabolomes mirror microbiome composition and host phylogeny. <i>ISME Journal</i> , 2022, 16, 1262-1274.	4.4	12
237	Homospermidine Lipids: A Compound Class Specifically Formed during Fruiting Body Formation of <i>Myxococcus xanthus</i> DK1622. <i>ACS Chemical Biology</i> , 2018, 13, 273-280.	1.6	11
238	Open Science Resources for the Mass Spectrometry-Based Analysis of SARS-CoV-2. <i>Journal of Proteome Research</i> , 2021, 20, 1464-1475.	1.8	11
239	Three-Dimensional Molecular Cartography of the Caribbean Reef-Building Coral <i>Orbicella faveolata</i> . <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	11
240	Quick-start infrastructure for untargeted metabolomics analysis in GNPS. <i>Nature Metabolism</i> , 2021, 3, 880-882.	5.1	11
241	The role of inter-species interactions in <i>Salinispora</i> specialized metabolism. <i>Microbiology (United Kingdom)</i> 111, 0784-0791. <small>111 0.784314 11</small>	0.7	11
242	Nerpa: A Tool for Discovering Biosynthetic Gene Clusters of Bacterial Nonribosomal Peptides. <i>Metabolites</i> , 2021, 11, 693.	1.3	11
243	Fine scale transitions of the microbiota and metabolome along the gastrointestinal tract of herbivorous fishes. <i>Animal Microbiome</i> , 2022, 4, .	1.5	11
244	Editorial: Mass spectrometry of small molecules and natural products. <i>Natural Product Reports</i> , 2014, 31, 704.	5.2	10
245	Discovery of a Mosaic-Like Biosynthetic Assembly Line with a Decarboxylative Off-Loading Mechanism through a Combination of Genome Mining and Imaging. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13611-13614.	7.2	10
246	Genome Mining, Microbial Interactions, and Molecular Networking Reveals New Dibromoalterochromides from Strains of <i>Pseudoalteromonas</i> of Coiba National Park-Panama. <i>Marine Drugs</i> , 2020, 18, 456.	2.2	10
247	Cryptic Species Account for the Seemingly Idiosyncratic Secondary Metabolism of <i>Sarcophyton glaucum</i> Specimens Collected in Palau. <i>Journal of Natural Products</i> , 2020, 83, 693-705.	1.5	10
248	The Host-Microbiome Response to Hyperbaric Oxygen Therapy in Ulcerative Colitis Patients. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 14, 35-53.	2.3	10
249	Phenotyping drug polypharmacology via eicosanoid profiling of blood. <i>Journal of Lipid Research</i> , 2015, 56, 1492-1500.	2.0	9
250	Depression in Individuals Coinfected with HIV and HCV Is Associated with Systematic Differences in the Gut Microbiome and Metabolome. <i>MSystems</i> , 2020, 5, .	1.7	9
251	Effects of Immunization With the Soil-Derived Bacterium <i>Mycobacterium vaccae</i> on Stress Coping Behaviors and Cognitive Performance in a Two-Hit-Stressor Model. <i>Frontiers in Physiology</i> , 2020, 11, 524833.	1.3	9
252	Untargeted Metabolomics Sheds Light on the Diversity of Major Classes of Secondary Metabolites in the Malpighiaceae Botanical Family. <i>Frontiers in Plant Science</i> , 2022, 13, 854842.	1.7	9

#	ARTICLE	IF	CITATIONS
253	foodMASST a mass spectrometry search tool for foods and beverages. <i>Npj Science of Food</i> , 2022, 6, 22.	2.5	9
254	The WinCF Model - An Inexpensive and Tractable Microcosm of a Mucus Plugged Bronchiole to Study the Microbiology of Lung Infections. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	8
255	Profiling the effect of nafcillin on HA-MRSA D712 using bacteriological and physiological media. <i>Scientific Data</i> , 2019, 6, 322.	2.4	8
256	Functional genomics and metabolomics advance the ethnobotany of the Samoan traditional medicine "matalafi". <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
257	The Fecal Microbiome and Metabolome of Pitt Hopkins Syndrome, a Severe Autism Spectrum Disorder. <i>MSystems</i> , 2021, 6, e0100621.	1.7	8
258	Salivary bacterial signatures in depression-obesity comorbidity are associated with neurotransmitters and neuroactive dipeptides. <i>BMC Microbiology</i> , 2022, 22, 75.	1.3	8
259	Dysregulation of Glycerophosphocholines in the Cutaneous Lesion Caused by <i>Leishmania major</i> in Experimental Murine Models. <i>Pathogens</i> , 2021, 10, 593.	1.2	7
260	Physicochemical properties determining drug detection in skin. <i>Clinical and Translational Science</i> , 2022, 15, 761-770.	1.5	7
261	Heterologous Expression in <i>Anabaena</i> of the Columbamide Pathway from the Cyanobacterium <i>Moorea bouillonii</i> and Production of New Analogs. <i>ACS Chemical Biology</i> , 2022, 17, 1910-1923.	1.6	7
262	Evaluating Organism-Wide Changes in the Metabolome and Microbiome following a Single Dose of Antibiotic. <i>MSystems</i> , 2020, 5, .	1.7	6
263	Assessment of styrene-divinylbenzene polymer (PPL) solid-phase extraction and non-targeted tandem mass spectrometry for the analysis of xenobiotics in seawater. <i>Limnology and Oceanography: Methods</i> , 2022, 20, 89-101.	1.0	6
264	A Prebiotic Diet Alters the Fecal Microbiome and Improves Sleep in Response to Sleep Disruption in Rats. <i>Frontiers in Neuroscience</i> , 2022, 16, .	1.4	6
265	Identifying the effect of vancomycin on health care-associated methicillin-resistant <i>Staphylococcus aureus</i> strains using bacteriological and physiological media. <i>GigaScience</i> , 2021, 10, .	3.3	5
266	Mass Difference Matching Unfolds Hidden Molecular Structures of Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2022, 56, 11027-11040.	4.6	5
267	Metabolites from Microbes Isolated from the Skin of the Panamanian Rocket Frog <i>Colostethus panamansis</i> (Anura: Dendrobatidae). <i>Metabolites</i> , 2020, 10, 406.	1.3	4
268	Studying Charge Migration Fragmentation of Sodiated Precursor Ions in Collision-Induced Dissociation at the Library Scale. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 180-186.	1.2	4
269	Multiomomic Analyses of Nascent Preterm Infant Microbiomes Differentiation Suggest Opportunities for Targeted Intervention. <i>Advanced Biology</i> , 2022, 6, .	1.4	4
270	The impact of maternal asthma on the preterm infants' gut metabolome and microbiome (MAP study). <i>Scientific Reports</i> , 2022, 12, 6437.	1.6	3

#	ARTICLE	IF	CITATIONS
271	The molecular impact of life in an indoor environment. <i>Science Advances</i> , 2022, 8, .	4.7	3
272	An Elegant(t) Screen for Drug-Microbe Interactions. <i>Cell Host and Microbe</i> , 2017, 21, 555-556.	5.1	2
273	Chemical Gradients of Plant Substrates in an <i>Atta texana</i> Fungus Garden. <i>MSystems</i> , 2021, 6, e0060121.	1.7	2
274	Entdeckung einer Mosaik-Ähnlichen Biosynthesemaschinerie mit einem decarboxylierenden Entladungsmechanismus durch die Kombination von Genom-Mining und bildgebenden Verfahren. <i>Angewandte Chemie</i> , 2016, 128, 13809-13813.	1.6	1
275	Chemical signaling at the eukaryotic/prokaryotic interface. <i>Chemical Society Reviews</i> , 2018, 47, 1572-1573.	18.7	1
276	Reduced Independence in Daily Living Is Associated with the Gut Microbiome in People with HIV and HCV. <i>MSystems</i> , 2020, 5, .	1.7	1
277	114 Stability of Gut Microbiome Alpha Diversity During Combined Sleep Restriction and Circadian Misalignment. <i>Sleep</i> , 2021, 44, A46-A47.	0.6	1
278	Data generation and analysis with SIRIUS 4 on two biological case studies. <i>Protocol Exchange</i> , 0, .	0.3	1
279	Metabolic Profiling of Interspecies Interactions During Sessile Bacterial Cultivation Reveals Growth and Sporulation Induction in <i>Paenibacillus amylolyticus</i> in Response to <i>Xanthomonas retroflexus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 805473.	1.8	1
280	Applying Tissue Separation and Untargeted Metabolomics to Understanding Lipid Saturation Kinetics of Host Mitochondria and Symbiotic Algae in Corals Under High Temperature Stress. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	1
281	0213 Trait-like Vulnerability Of Higher-order Cognition To Sleep Loss And Circadian Misalignment. <i>Sleep</i> , 2018, 41, A83-A84.	0.6	0
282	Mass Spectrometry-Based Detection of Beta Lactam Hydrolysis Enables Rapid Detection of Beta Lactamase Mediated Antibiotic Resistance. <i>Laboratory Medicine</i> , 2021, .	0.8	0
283	Metabolomics by mass spectrometry based molecular networking and spatial mapping. <i>FASEB Journal</i> , 2015, 29, 369.1.	0.2	0
284	Untargeted metabolomics sheds light on the secondary metabolism of Malpighiaceae family. <i>Planta Medica</i> , 2021, 87, .	0.7	0
285	Repeated sleep disruption in mice leads to persistent shifts in the fecal microbiome and metabolome. , 2020, 15, e0229001.		0
286	Repeated sleep disruption in mice leads to persistent shifts in the fecal microbiome and metabolome. , 2020, 15, e0229001.		0
287	Repeated sleep disruption in mice leads to persistent shifts in the fecal microbiome and metabolome. , 2020, 15, e0229001.		0