Pieter C Dorrestein

List of Publications by Year
in descending order

287 papers	40,502 citations	7672 79 h-index	4131 181 g-index
344 all docs	344 docs citations	344 times ranked	41888 citing authors

#	Article	IF	Citations
1	Mass spectrometry-based metabolomics in microbiome investigations. Nature Reviews Microbiology, 2022, 20, 143-160.	13.6	148
2	High-confidence structural annotation of metabolites absent from spectral libraries. Nature Biotechnology, 2022, 40, 411-421.	9.4	100
3	Multi-omics of human plasma reveals molecular features of dysregulated inflammation and accelerated aging in schizophrenia. Molecular Psychiatry, 2022, 27, 1217-1225.	4.1	30
4	Native mass spectrometry-based metabolomics identifies metal-binding compounds. Nature Chemistry, 2022, 14, 100-109.	6.6	30
5	Physicochemical properties determining drug detection in skin. Clinical and Translational Science, 2022, 15, 761-770.	1.5	7
6	GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser. Nature Methods, 2022, 19, 134-136.	9.0	35
7	Multi-omics analyses of the ulcerative colitis gut microbiome link Bacteroides vulgatus proteases with disease severity. Nature Microbiology, 2022, 7, 262-276.	5.9	110
8	Tandem Mass Spectrometry Molecular Networking as a Powerful and Efficient Tool for Drug Metabolism Studies. Analytical Chemistry, 2022, 94, 1456-1464.	3.2	17
9	Distinguishing the molecular diversity, nutrient content, and energetic potential of exometabolomes produced by macroalgae and reef-building corals Â. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	28
10	Metabolic Profiling of Interspecies Interactions During Sessile Bacterial Cultivation Reveals Growth and Sporulation Induction in Paenibacillus amylolyticus in Response to Xanthomonas retroflexus. Frontiers in Cellular and Infection Microbiology, 2022, 12, 805473.	1.8	1
11	Salivary bacterial signatures in depression-obesity comorbidity are associated with neurotransmitters and neuroactive dipeptides. BMC Microbiology, 2022, 22, 75.	1.3	8
12	The Host-Microbiome Response to Hyperbaric Oxygen Therapy in Ulcerative Colitis Patients. Cellular and Molecular Gastroenterology and Hepatology, 2022, 14, 35-53.	2.3	10
13	Assessment of styreneâ€divinylbenzene polymer (PPL) solidâ€phase extraction and nonâ€targeted tandem mass spectrometry for the analysis of xenobiotics in seawater. Limnology and Oceanography: Methods, 2022, 20, 89-101.	1.0	6
14	Mammalian gut metabolomes mirror microbiome composition and host phylogeny. ISME Journal, 2022, 16, 1262-1274.	4.4	12
15	Untargeted Metabolomics Sheds Light on the Diversity of Major Classes of Secondary Metabolites in the Malpighiaceae Botanical Family. Frontiers in Plant Science, 2022, 13, 854842.	1.7	9
16	foodMASST a mass spectrometry search tool for foods and beverages. Npj Science of Food, 2022, 6, 22.	2.5	9
17	The impact of maternal asthma on the preterm infants' gut metabolome and microbiome (MAP study). Scientific Reports, 2022, 12, 6437.	1.6	3
18	Applying Tissue Separation and Untargeted Metabolomics to Understanding Lipid Saturation Kinetics of Host Mitochondria and Symbiotic Algae in Corals Under High Temperature Stress. Frontiers in Marine Science, 2022, 9, .	1.2	1

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19	SIMILE enables alignment of tandem mass spectra with statistical significance. Nature Communications, 2022, 13, 2510.	5.8	16
20	Fine scale transitions of the microbiota and metabolome along the gastrointestinal tract of herbivorous fishes. Animal Microbiome, 2022, 4, .	1.5	11
21	A Prebiotic Diet Alters the Fecal Microbiome and Improves Sleep in Response to Sleep Disruption in Rats. Frontiers in Neuroscience, 2022, 16, .	1.4	6
22	Multiomic Analyses of Nascent Preterm Infant Microbiomes Differentiation Suggest Opportunities for Targeted Intervention. Advanced Biology, 2022, 6, .	1.4	4
23	Bacillus subtilis biofilm matrix components target seed oil bodies to promote growth and anti-fungal resistance in melon. Nature Microbiology, 2022, 7, 1001-1015.	5.9	30
24	The molecular impact of life in an indoor environment. Science Advances, 2022, 8, .	4.7	3
25	Heterologous Expression in Anabaena of the Columbamide Pathway from the Cyanobacterium Moorena bouillonii and Production of New Analogs. ACS Chemical Biology, 2022, 17, 1910-1923.	1.6	7
26	Mass Difference Matching Unfolds Hidden Molecular Structures of Dissolved Organic Matter. Environmental Science & Technology, 2022, 56, 11027-11040.	4.6	5
27	Enhancing untargeted metabolomics using metadata-based source annotation. Nature Biotechnology, 2022, 40, 1774-1779.	9.4	25
28	Auto-deconvolution and molecular networking of gas chromatographyâ€“mass spectrometry data. Nature Biotechnology, 2021, 39, 169-173.	9.4	78
29	Gastrointestinal Surgery for Inflammatory Bowel Disease Persistently Lowers Microbiome and Metabolome Diversity. Inflammatory Bowel Diseases, 2021, 27, 603-616.	0.9	25
30	Multiomics Analysis Provides Insight into the Laboratory Evolution of Escherichia coli toward the Metabolic Usage of Fluorinated Indoles. ACS Central Science, 2021, 7, 81-92.	5.3	27
31	Systematic classification of unknown metabolites using high-resolution fragmentation mass spectra. Nature Biotechnology, 2021, 39, 462-471.	9.4	317
32	Studying Charge Migration Fragmentation of Sodiated Precursor Ions in Collision-Induced Dissociation at the Library Scale. Journal of the American Society for Mass Spectrometry, 2021, 32, 180-186.	1.2	4
33	Chemically informed analyses of metabolomics mass spectrometry data with Qemistree. Nature Chemical Biology, 2021, 17, 146-151.	3.9	73
34	Identifying the effect of vancomycin on health careâ€“associated methicillin-resistant Staphylococcus aureus strains using bacteriological and physiological media. GigaScience, 2021, 10, .	3.3	5
35	A Multi-Omics Characterization of the Natural Product Potential of Tropical Filamentous Marine Cyanobacteria. Marine Drugs, 2021, 19, 20.	2.2	19
36	Convergent evolution of pain-inducing defensive venom components in spitting cobras. Science, 2021, 371, 386-390.	6.0	96

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37	Tiny Earth: A Big Idea for STEM Education and Antibiotic Discovery. MBio, 2021, 12, .	1.8	30
38	Open Science Resources for the Mass Spectrometry-Based Analysis of SARS-CoV-2. Journal of Proteome Research, 2021, 20, 1464-1475.	1.8	11
39	A community resource for paired genomic and metabolomic data mining. Nature Chemical Biology, 2021, 17, 363-368.	3.9	81
40	Genomic and Metabolomic Analysis of the Potato Common Scab Pathogen Streptomyces scabiei. ACS Omega, 2021, 6, 11474-11487.	1.6	21
41	Three-Dimensional Molecular Cartography of the Caribbean Reef-Building Coral Orbicella faveolata. Frontiers in Marine Science, 2021, 8, .	1.2	11
42	Specialized Metabolites from Ribosome Engineered Strains of Streptomyces clavuligerus. Metabolites, 2021, 11, 239.	1.3	13
43	Assessment of the microbiome during bacteriophage therapy in combination with systemic antibiotics to treat a case of staphylococcal device infection. Microbiome, 2021, 9, 92.	4.9	40
44	Influence of Intermittent Hypoxia/Hypercapnia on Atherosclerosis, Gut Microbiome, and Metabolome. Frontiers in Physiology, 2021, 12, 663950.	1.3	20
45	EMPress Enables Tree-Guided, Interactive, and Exploratory Analyses of Multi-omic Data Sets. MSystems, 2021, 6, .	1.7	36
46	114 Stability of Gut Microbiome Alpha Diversity During Combined Sleep Restriction and Circadian Misalignment. Sleep, 2021, 44, A46-A47.	0.6	1
47	Dysregulation of Glycerophosphocholines in the Cutaneous Lesion Caused by Leishmania major in Experimental Murine Models. Pathogens, 2021, 10, 593.	1.2	7
48	Integrating genomics and metabolomics for scalable non-ribosomal peptide discovery. Nature Communications, 2021, 12, 3225.	5.8	31
49	Non-targeted tandem mass spectrometry enables the visualization of organic matter chemotype shifts in coastal seawater. Chemosphere, 2021, 271, 129450.	4.2	33
50	Intermittent Hypoxia and Hypercapnia Alter Diurnal Rhythms of Luminal Gut Microbiome and Metabolome. MSystems, 2021, 6, e0011621.	1.7	27
51	Largeâ€scale tandem mass spectrum clustering using fast nearest neighbor searching. Rapid Communications in Mass Spectrometry, 2021, , e9153.	0.7	16
52	Ion identity molecular networking for mass spectrometry-based metabolomics in the GNPS environment. Nature Communications, 2021, 12, 3832.	5.8	119
53	Chemical interplay and complementary adaptative strategies toggle bacterial antagonism and co-existence. Cell Reports, 2021, 36, 109449.	2.9	28
54	Quick-start infrastructure for untargeted metabolomics analysis in GNPS. Nature Metabolism, 2021, 3, 880-882.	5.1	11

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55	Molecular Commerce on Coral Reefs: Using Metabolomics to Reveal Biochemical Exchanges Underlying Holobiont Biology and the Ecology of Coastal Ecosystems. Frontiers in Marine Science, 2021, 8, .	1.2	12
56	Chemical Gradients of Plant Substrates in an Atta texana Fungus Garden. MSystems, 2021, 6, e0060121.	1.7	2
57	Mass Spectrometryâ€“Based Detection of Beta Lactam Hydrolysis Enables Rapid Detection of Beta Lactamase Mediated Antibiotic Resistance. Laboratory Medicine, 2021, , .	0.8	0
58	Chemical Proportionality within Molecular Networks. Analytical Chemistry, 2021, 93, 12833-12839.	3.2	22
59	Ruminiclostridium 5, Parabacteroides distasonis, and bile acid profile are modulated by prebiotic diet and associate with facilitated sleep/clock realignment after chronic disruption of rhythms. Brain, Behavior, and Immunity, 2021, 97, 150-166.	2.0	34
60	Advancements in capturing and mining mass spectrometry data are transforming natural products research. Natural Product Reports, 2021, 38, 2066-2082.	5.2	38
61	Nerpa: A Tool for Discovering Biosynthetic Gene Clusters of Bacterial Nonribosomal Peptides. Metabolites, 2021, 11, 693.	1.3	11
62	NPClassifier: A Deep Neural Network-Based Structural Classification Tool for Natural Products. Journal of Natural Products, 2021, 84, 2795-2807.	1.5	131
63	Spatial metabolomics identifies localized chemical changes in heart tissue during chronic cardiac Chagas Disease. PLoS Neglected Tropical Diseases, 2021, 15, e0009819.	1.3	18
64	Functional genomics and metabolomics advance the ethnobotany of the Samoan traditional medicine â€œmatalafiâ€• Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	8
65	The Fecal Microbiome and Metabolome of Pitt Hopkins Syndrome, a Severe Autism Spectrum Disorder. MSystems, 2021, 6, e0100621.	1.7	8
66	Siderophore-mediated zinc acquisition enhances enterobacterial colonization of the inflamed gut. Nature Communications, 2021, 12, 7016.	5.8	35
67	Untargeted metabolomics sheds light on the secondary metabolism of Malpighiaceae family. Planta Medica, 2021, 87, .	0.7	0
68	Perspective: Dietary Biomarkers of Intake and Exposureâ€”Exploration with Omics Approaches. Advances in Nutrition, 2020, 11, 200-215.	2.9	79
69	Untargeted mass spectrometry-based metabolomics approach unveils molecular changes in raw and processed foods and beverages. Food Chemistry, 2020, 302, 125290.	4.2	52
70	A UHPLC-HRMS based metabolomics and chemoinformatics approach to chemically distinguish â€˜super foodsâ€™ from a variety of plant-based foods. Food Chemistry, 2020, 313, 126071.	4.2	18
71	Mass spectrometry searches using MASST. Nature Biotechnology, 2020, 38, 23-26.	9.4	160
72	De Novo Peptide Sequencing Reveals Many Cyclopeptides in the Human Gut and Other Environments. Cell Systems, 2020, 10, 99-108.e5.	2.9	28

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73	The emergence of microbiome centres. Nature Microbiology, 2020, 5, 2-3.	5.9	13
74	Home chemical and microbial transitions across urbanization. Nature Microbiology, 2020, 5, 108-115.	5.9	83
75	Metabolites from Microbes Isolated from the Skin of the Panamanian Rocket Frog Colostethus panamansis (Anura: Dendrobatidae). Metabolites, 2020, 10, 406.	1.3	4
76	Evaluating Organism-Wide Changes in the Metabolome and Microbiome following a Single Dose of Antibiotic. MSystems, 2020, 5, .	1.7	6
77	A Cutibacterium acnes antibiotic modulates human skin microbiota composition in hair follicles. Science Translational Medicine, 2020, 12, .	5.8	83
78	Depression in Individuals Coinfected with HIV and HCV Is Associated with Systematic Differences in the Gut Microbiome and Metabolome. MSystems, 2020, 5, .	1.7	9
79	Molecular Networking: A Useful Tool for the Identification of New Psychoactive Substances in Seizures by LCâ€“HRMS. Frontiers in Chemistry, 2020, 8, 572952.	1.8	37
80	Heterologous Expression of Cryptomaldamide in a Cyanobacterial Host. ACS Synthetic Biology, 2020, 9, 3364-3376.	1.9	23
81	Fungalâ€“bacterial interaction selects for quorum sensing mutants with increased production of natural antifungal compounds. Communications Biology, 2020, 3, 670.	2.0	12
82	Reduced Independence in Daily Living Is Associated with the Gut Microbiome in People with HIV and HCV. MSystems, 2020, 5, .	1.7	1
83	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
84	Virulence as a Side Effect of Interspecies Interaction in Vibrio Coral Pathogens. MBio, 2020, 11, .	1.8	23
85	Database-independent molecular formula annotation using Gibbs sampling through ZODIAC. Nature Machine Intelligence, 2020, 2, 629-641.	8.3	103
86	Feature-based molecular networking in the GNPS analysis environment. Nature Methods, 2020, 17, 905-908.	9.0	650
87	Mortality Risk Profiling of Staphylococcus aureus Bacteremia by Multi-omic Serum Analysis Reveals Early Predictive and Pathogenic Signatures. Cell, 2020, 182, 1311-1327.e14.	13.5	58
88	Genome Mining, Microbial Interactions, and Molecular Networking Reveals New Dibromoalterochromides from Strains of Pseudoalteromonas of Coiba National Park-Panama. Marine Drugs, 2020, 18, 456.	2.2	10
89	ReDU: a framework to find and reanalyze public mass spectrometry data. Nature Methods, 2020, 17, 901-904.	9.0	79
90	A Genomic Toolkit for the Mechanistic Dissection of Intractable Human Gut Bacteria. Cell Host and Microbe, 2020, 27, 1001-1013.e9.	5.1	39

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91	Linking genomics and metabolomics to chart specialized metabolic diversity. Chemical Society Reviews, 2020, 49, 3297-3314.	18.7	114
92	Reproducible molecular networking of untargeted mass spectrometry data using GNPS. Nature Protocols, 2020, 15, 1954-1991.	5.5	344
93	A multiomic analysis of in situ coralâ€“turf algal interactions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13588-13595.	3.3	48
94	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
95	High-Resolution Longitudinal Dynamics of the Cystic Fibrosis Sputum Microbiome and Metabolome through Antibiotic Therapy. MSystems, 2020, 5, .	1.7	47
96	Paroxetine Administration Affects Microbiota and Bile Acid Levels in Mice. Frontiers in Psychiatry, 2020, 11, 518.	1.3	19
97	Emerging Priorities for Microbiome Research. Frontiers in Microbiology, 2020, 11, 136.	1.5	113
98	Global chemical effects of the microbiome include new bile-acid conjugations. Nature, 2020, 579, 123-129.	13.7	316
99	Dietary prebiotics alter novel microbial dependent fecal metabolites that improve sleep. Scientific Reports, 2020, 10, 3848.	1.6	46
100	Repeated sleep disruption in mice leads to persistent shifts in the fecal microbiome and metabolome. PLoS ONE, 2020, 15, e0229001.	1.1	56
101	A Convolutional Neural Network-Based Approach for the Rapid Annotation of Molecularly Diverse Natural Products. Journal of the American Chemical Society, 2020, 142, 4114-4120.	6.6	114
102	Cryptic Species Account for the Seemingly Idiosyncratic Secondary Metabolism ofSarcophyton glaucumSpecimens Collected in Palau. Journal of Natural Products, 2020, 83, 693-705.	1.5	10
103	Protocol for communityâ€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
104	Consumption of Fermented Foods Is Associated with Systematic Differences in the Gut Microbiome and Metabolome. MSystems, 2020, 5, .	1.7	81
105	Metabolome-Informed Microbiome Analysis Refines Metadata Classifications and Reveals Unexpected Medication Transfer in Captive Cheetahs. MSystems, 2020, 5, .	1.7	12
106	Effects of Immunization With the Soil-Derived Bacterium Mycobacterium vaccae on Stress Coping Behaviors and Cognitive Performance in a â€œTwo Hitâ€•Stressor Model. Frontiers in Physiology, 2020, 11, 524833.	1.3	9
107	Assessing specialized metabolite diversity of Alnus species by a digitized LCâ€“MS/MS data analysis workflow. Phytochemistry, 2020, 173, 112292.	1.4	15
108	Repeated sleep disruption in mice leads to persistent shifts in the fecal microbiome and metabolome. , 2020, 15, e0229001.		0

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109	Repeated sleep disruption in mice leads to persistent shifts in the fecal microbiome and metabolome. , 2020, 15, e0229001.		0
110	Repeated sleep disruption in mice leads to persistent shifts in the fecal microbiome and metabolome. , 2020, 15, e0229001.		0
111	MolNetEnhancer: Enhanced Molecular Networks by Integrating Metabolome Mining and Annotation Tools. Metabolites, 2019, 9, 144.	1.3	245
112	Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. Nature Biotechnology, 2019, 37, 852-857.	9.4	11,167
113	Assessing Specialized Metabolite Diversity in the Cosmopolitan Plant Genus Euphorbia L.. Frontiers in Plant Science, 2019, 10, 846.	1.7	40
114	MetaMiner: A Scalable Peptidogenomics Approach for Discovery of Ribosomal Peptide Natural Products with Blind Modifications from Microbial Communities. Cell Systems, 2019, 9, 600-608.e4.	2.9	46
115	Learning representations of microbeâ€“metabolite interactions. Nature Methods, 2019, 16, 1306-1314.	9.0	184
116	The Natural Products Atlas: An Open Access Knowledge Base for Microbial Natural Products Discovery. ACS Central Science, 2019, 5, 1824-1833.	5.3	258
117	Comparative Genomics and Metabolomics Analyses of Clavulanic Acid-Producing Streptomyces Species Provides Insight Into Specialized Metabolism. Frontiers in Microbiology, 2019, 10, 2550.	1.5	20
118	Molecular and Microbial Microenvironments in Chronically Diseased Lungs Associated with Cystic Fibrosis. MSystems, 2019, 4, .	1.7	23
119	Cytotoxic Microcolin Lipopeptides from the Marine Cyanobacterium Moorea producens. Journal of Natural Products, 2019, 82, 2608-2619.	1.5	23
120	Investigation of Premyrsinane and Myrsinane Esters in Euphorbia cupanii and Euphobia pithyusa with MS2LDA and Combinatorial Molecular Network Annotation Propagation. Journal of Natural Products, 2019, 82, 1459-1470.	1.5	24
121	The impact of skin care products on skin chemistry and microbiome dynamics. BMC Biology, 2019, 17, 47.	1.7	101
122	Initial Development toward Non-Invasive Drug Monitoring via Untargeted Mass Spectrometric Analysis of Human Skin. Analytical Chemistry, 2019, 91, 8062-8069.	3.2	17
123	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
124	The extracellular matrix protects Bacillus subtilis colonies from Pseudomonas invasion and modulates plant co-colonization. Nature Communications, 2019, 10, 1919.	5.8	102
125	Identification of the Bacterial Biosynthetic Gene Clusters of the Oral Microbiome Illuminates the Unexplored Social Language of Bacteria during Health and Disease. MBio, 2019, 10, .	1.8	73
126	Cystic Fibrosis Rapid Response: Translating Multi-omics Data into Clinically Relevant Information. MBio, 2019, 10, .	1.8	20

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127	Intermittent Hypoxia and Hypercapnia Reproducibly Change the Gut Microbiome and Metabolome across Rodent Model Systems. MSystems, 2019, 4, .	1.7	24
128	Characterization of CA-MRSA TCH1516 exposed to nafcillin in bacteriological and physiological media. Scientific Data, 2019, 6, 43.	2.4	14
129	SIRIUS 4: a rapid tool for turning tandem mass spectra into metabolite structure information. Nature Methods, 2019, 16, 299-302.	9.0	822
130	Heavy metal exposure causes changes in the metabolic health-associated gut microbiome and metabolites. Environment International, 2019, 126, 454-467.	4.8	125
131	Predicting proteome allocation, overflow metabolism, and metal requirements in a model acetogen. PLoS Computational Biology, 2019, 15, e1006848.	1.5	46
132	Neutrophilic proteolysis in the cystic fibrosis lung correlates with a pathogenic microbiome. Microbiome, 2019, 7, 23.	4.9	53
133	Detection of Natural Products and Their Producers in Ocean Sediments. Applied and Environmental Microbiology, 2019, 85, .	1.4	33
134	Viscosin-like lipopeptides from frog skin bacteria inhibit Aspergillus fumigatus and Batrachochytrium dendrobatidis detected by imaging mass spectrometry and molecular networking. Scientific Reports, 2019, 9, 3019.	1.6	23
135	Comprehensive mass spectrometryâ€guided phenotyping of plant specialized metabolites reveals metabolic diversity in the cosmopolitan plant family Rhamnaceae. Plant Journal, 2019, 98, 1134-1144.	2.8	59
136	Mass Spectrometry Uncovers the Role of Surfactin as an Interspecies Recruitment Factor. ACS Chemical Biology, 2019, 14, 459-467.	1.6	21
137	Profiling the effect of nafcillin on HA-MRSA D712 using bacteriological and physiological media. Scientific Data, 2019, 6, 322.	2.4	8
138	The Microbiome and Its Potential for Pharmacology. Handbook of Experimental Pharmacology, 2019, 260, 301-326.	0.9	14
139	Microbiome 101: Studying, Analyzing, and Interpreting Gut Microbiome Data for Clinicians. Clinical Gastroenterology and Hepatology, 2019, 17, 218-230.	2.4	187
140	Lugdunomycin, an Angucyclineâ€Derived Molecule with Unprecedented Chemical Architecture. Angewandte Chemie - International Edition, 2019, 58, 2809-2814.	7.2	46
141	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
142	Creating a 3D microbial and chemical snapshot of a human habitat. Scientific Reports, 2018, 8, 3669.	1.6	34
143	Chemical signaling at the eukaryotic/prokaryotic interface. Chemical Society Reviews, 2018, 47, 1572-1573.	18.7	1
144	Bioactivity-Based Molecular Networking for the Discovery of Drug Leads in Natural Product Bioassay-Guided Fractionation. Journal of Natural Products, 2018, 81, 758-767.	1.5	237

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145	Tundrenone: An Atypical Secondary Metabolite from Bacteria with Highly Restricted Primary Metabolism. Journal of the American Chemical Society, 2018, 140, 2002-2006.	6.6	23
146	3D molecular cartography using LCâ€“MS facilitated by Optimus and 'ili software. Nature Protocols, 2018, 13, 134-154.	5.5	85
147	Transcriptomics-guided bottom-up and top-down venomics of neonate and adult specimens of the arboreal rear-fanged Brown Treesnake, Boiga irregularis, from Guam. Journal of Proteomics, 2018, 174, 71-84.	1.2	47
148	0213 Trait-like Vulnerability Of Higher-order Cognition To Sleep Loss And Circadian Misalignment. Sleep, 2018, 41, A83-A84.	0.6	0
149	Impacts of the Human Gut Microbiome on Therapeutics. Annual Review of Pharmacology and Toxicology, 2018, 58, 253-270.	4.2	74
150	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. Journal of Proteomics, 2018, 172, 173-189.	1.2	80
151	Homospermidine Lipids: A Compound Class Specifically Formed during Fruiting Body Formation of Myxococcus xanthus DK1622. ACS Chemical Biology, 2018, 13, 273-280.	1.6	11
152	Niche partitioning of a pathogenic microbiome driven by chemical gradients. Science Advances, 2018, 4, eaau1908.	4.7	40
153	Qiita: rapid, web-enabled microbiome meta-analysis. Nature Methods, 2018, 15, 796-798.	9.0	459
154	Dereplication of microbial metabolites through database search of mass spectra. Nature Communications, 2018, 9, 4035.	5.8	220
155	American Gut: an Open Platform for Citizen Science Microbiome Research. MSystems, 2018, 3, .	1.7	604
156	Best practices for analysing microbiomes. Nature Reviews Microbiology, 2018, 16, 410-422.	13.6	1,138
157	Propagating annotations of molecular networks using in silico fragmentation. PLoS Computational Biology, 2018, 14, e1006089.	1.5	242
158	Are microbiome studies ready for hypothesis-driven research?. Current Opinion in Microbiology, 2018, 44, 61-69.	2.3	27
159	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
160	Targeted Isolation of Neuroprotective Dicoumaroyl Neolignans and Lignans from Sageretia theezans Using in Silico Molecular Network Annotation Propagation-Based Dereplication. Journal of Natural Products, 2018, 81, 1819-1828.	1.5	44
161	Intermittent Hypoxia and Hypercapnia, a Hallmark of Obstructive Sleep Apnea, Alters the Gut Microbiome and Metabolome. MSystems, 2018, 3, .	1.7	96
162	The role of inter-species interactions in Salinispora specialized metabolism. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	11

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163	Experimental Chagas disease-induced perturbations of the fecal microbiome and metabolome. PLoS Neglected Tropical Diseases, 2018, 12, e0006344.	1.3	39
164	Balance Trees Reveal Microbial Niche Differentiation. MSystems, 2017, 2, .	1.7	284
165	From single cells to our planetâ€"recent advances in using mass spectrometry for spatially resolved metabolomics. Current Opinion in Chemical Biology, 2017, 36, 24-31.	2.8	75
166	Antimicrobials from human skin commensal bacteria protect against Staphylococcus aureus and are deficient in atopic dermatitis. Science Translational Medicine, 2017, 9, .	5.8	744
167	An Elegan(t) Screen for Drug-Microbe Interactions. Cell Host and Microbe, 2017, 21, 555-556.	5.1	2
168	A Maldiisotopic Approach to Discover Natural Products: Cryptomaldamide, a Hybrid Tripeptide from the Marine Cyanobacterium Moorea producens. Journal of Natural Products, 2017, 80, 1514-1521.	1.5	30
169	Coupling Targeted and Untargeted Mass Spectrometry for Metabolome-Microbiome-Wide Association Studies of Human Fecal Samples. Analytical Chemistry, 2017, 89, 7549-7559.	3.2	62
170	Expanding the Chemical Repertoire of the Endophyte Streptomyces albospinus RLe7 Reveals Amphotericin B as an Inducer of a Fungal Phenotype. Journal of Natural Products, 2017, 80, 1302-1309.	1.5	17
171	Microbiome Tools for Forensic Science. Trends in Biotechnology, 2017, 35, 814-823.	4.9	93
172	Integrating Molecular Networking and Biological Assays To Target the Isolation of a Cytotoxic Cyclic Octapeptide, Samoamide A, from an American Samoan Marine Cyanobacterium. Journal of Natural Products, 2017, 80, 625-633.	1.5	60
173	Meta-mass shift chemical profiling of metabolomes from coral reefs. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11685-11690.	3.3	57
174	Three-Dimensional Microbiome and Metabolome Cartography of a Diseased Human Lung. Cell Host and Microbe, 2017, 22, 705-716.e4.	5.1	111
175	The WinCF Model - An Inexpensive and Tractable Microcosm of a Mucus Plugged Bronchiole to Study the Microbiology of Lung Infections. Journal of Visualized Experiments, 2017, , .	0.2	8
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