Ricardo Da Silva

List of Publications by Citations

54 papers	8,254 citations	28 h-index	69 g-index
69 ext. papers	13,888 ext. citations	10.1 avg, IF	5.15 L-index

#	Paper	IF	Citations
54	Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. *Nature Biotechnology*, **2019**, 37, 852-857	44.5	4050
53	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. *Nature Biotechnology*, **2016**, 34, 828-837	44.5	1566
52	American Gut: an Open Platform for Citizen Science Microbiome Research. *MSystems*, **2018**, 3,	7.6	336
51	Illuminating the dark matter in metabolomics. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 12549-50	11.5	247
50	Feature-based molecular networking in the GNPS analysis environment. *Nature Methods*, **2020**, 17, 905-9086	28.4	207
49	Propagating annotations of molecular networks using in silico fragmentation. *PLoS Computational Biology*, **2018**, 14, e1006089	5	139
48	Bioactivity-Based Molecular Networking for the Discovery of Drug Leads in Natural Product Bioassay-Guided Fractionation. *Journal of Natural Products*, **2018**, 81, 758-767	4.9	134
47	Global chemical effects of the microbiome include new bile-acid conjugations. *Nature*, **2020**, 579, 123-129	50.4	129
46	Mass spectrometry in plant metabolomics strategies: from analytical platforms to data acquisition and processing. *Natural Product Reports*, **2014**, 31, 784-806	15.1	124
45	Global chemical analysis of biology by mass spectrometry. *Nature Reviews Chemistry*, **2017**, 1,	34.6	91
44	Prioritizing Natural Product Diversity in a Collection of 146 Bacterial Strains Based on Growth and Extraction Protocols. *Journal of Natural Products*, **2017**, 80, 588-597	4.9	78
43	QIIME 2: Reproducible, interactive, scalable, and extensible microbiome data science **2018**,		78
42	Three-Dimensional Microbiome and Metabolome Cartography of a Diseased Human Lung. *Cell Host and Microbe*, **2017**, 22, 705-716.e4	23.4	74
41	Mass spectrometry searches using MASST. *Nature Biotechnology*, **2020**, 38, 23-26	44.5	74
40	High-Resolution Liquid Chromatography Tandem Mass Spectrometry Enables Large Scale Molecular Characterization of Dissolved Organic Matter. *Frontiers in Marine Science*, **2017**, 4,	4.5	50
39	Coupling Targeted and Untargeted Mass Spectrometry for Metabolome-Microbiome-Wide Association Studies of Human Fecal Samples. *Analytical Chemistry*, **2017**, 89, 7549-7559	7.8	46
38	ProbMetab: an R package for Bayesian probabilistic annotation of LC-MS-based metabolomics. *Bioinformatics*, **2014**, 30, 1336-7	7.2	46

37	From Sample to Multi-Omics Conclusions in under 48 Hours. *MSystems*, **2016**, 1,	7.6	45
36	The impact of skin care products on skin chemistry and microbiome dynamics. *BMC Biology*, **2019**, 17, 47	7.3	42
35	Lifestyle chemistries from phones for individual profiling. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E7645-E7654	11.5	41
34	Queen signals in a stingless bee: suppression of worker ovary activation and spatial distribution of active compounds. *Scientific Reports*, **2014**, 4, 7449	4.9	37
33	QIIME 2: Reproducible, interactive, scalable, and extensible microbiome data science		36
32	Untargeted mass spectrometry-based metabolomics approach unveils molecular changes in raw and processed foods and beverages. *Food Chemistry*, **2020**, 302, 125290	8.5	34
31	Neutrophilic proteolysis in the cystic fibrosis lung correlates with a pathogenic microbiome. *Microbiome*, **2019**, 7, 23	16.6	32
30	Comprehensive mass spectrometry-guided phenotyping of plant specialized metabolites reveals metabolic diversity in the cosmopolitan plant family Rhamnaceae. *Plant Journal*, **2019**, 98, 1134-1144	6.9	32
29	Convergent evolution of pain-inducing defensive venom components in spitting cobras. *Science*, **2021**, 371, 386-390	33.3	30
28	Feature-based Molecular Networking in the GNPS Analysis Environment		29
27	Assessing Specialized Metabolite Diversity in the Cosmopolitan Plant Genus L. *Frontiers in Plant Science*, **2019**, 10, 846	6.2	27
26	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	4.9	26
25	Application of MALDI Mass Spectrometry in Natural Products Analysis. *Planta Medica*, **2016**, 82, 671-89	3.1	23
24	Conformity assessment of multicomponent materials or objects: Risk of false decisions due to measurement uncertainty - A case study of denatured alcohols. *Talanta*, **2017**, 164, 189-195	6.2	22
23	Risk of false decision on conformity of a multicomponent material when test results of the componentsTcontent are correlated. *Talanta*, **2017**, 174, 789-796	6.2	21
22	Niche partitioning of a pathogenic microbiome driven by chemical gradients. *Science Advances*, **2018**, 4, eaau1908	14.3	21
21	Risk of a false decision on conformity of an environmental compartment due to measurement uncertainty of concentrations of two or more pollutants. *Chemosphere*, **2018**, 202, 165-176	8.4	17
20	Distinct photo-oxidation-induced cell death pathways lead to selective killing of human breast cancer cells. *Cell Death and Disease*, **2020**, 11, 1070	9.8	16

19	Molecular and Microbial Microenvironments in Chronically Diseased Lungs Associated with Cystic Fibrosis. *MSystems*, **2019**, 4,	7.6	15
18	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	4.9	15
17	Total risk of a false decision on conformity of an alloy due to measurement uncertainty and correlation of test results. *Talanta*, **2018**, 189, 666-674	6.2	13
16	Chemical profiling of two congeneric sea mat corals along the Brazilian coast: adaptive and functional patterns. *Chemical Communications*, **2018**, 54, 1952-1955	5.8	12
15	Assessing specialized metabolite diversity of Alnus species by a digitized LC-MS/MS data analysis workflow. *Phytochemistry*, **2020**, 173, 112292	4	9
14	Initial Development toward Non-Invasive Drug Monitoring via Untargeted Mass Spectrometric Analysis of Human Skin. *Analytical Chemistry*, **2019**, 91, 8062-8069	7.8	8
13	MASST: A Web-based Basic Mass Spectrometry Search Tool for Molecules to Search Public Data		8
12	A metabolomic protocol for plant systematics by matrix-assisted laser-desorption/ionization time-of flight mass spectrometry. *Analytica Chimica Acta*, **2015**, 859, 46-58	6.6	7
11	In silico annotation of discriminative markers of three Zanthoxylum species using molecular network derived annotation propagation. *Food Chemistry*, **2019**, 295, 368-376	8.5	6
10	A Multi-Omics Characterization of the Natural Product Potential of Tropical Filamentous Marine Cyanobacteria. *Marine Drugs*, **2021**, 19,	6	6
9	Differences in Cystic Fibrosis-Associated spp. Bacteria Metabolomes after Exposure to the Antibiotic Trimethoprim. *ACS Infectious Diseases*, **2020**, 6, 1154-1168	5.5	5
8	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	3.5	5
7	IUPAC/CITAC Guide: Evaluation of risks of false decisions in conformity assessment of a multicomponent material or object due to measurement uncertainty (IUPAC Technical Report). *Pure and Applied Chemistry*, **2021**, 93, 113-154	2.1	4
6	How many shades of grey are in conformity assessment due to measurement uncertainty?. *Journal of Physics: Conference Series*, **2019**, 1420, 012001	0.3	2
5	Sphingolipids signature in plasma and tissue as diagnostic and prognostic tools in oral squamous cell carcinoma. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2022**, 1867, 159057	5	1
4	A comparative venomic fingerprinting approach reveals that galling and non-galling fig wasp species have different venom profiles. *PLoS ONE*, **2018**, 13, e0207051	3.7	1
3	Time-Scale Shifting of Volatile Semiochemical Levels in Wild Type Lychnophora ericoides (Brazilian arnica) and Pollinator Records. *Planta Medica*, **2021**, 87, 101-112	3.1	0
2	Chemical Gradients of Plant Substrates in an Fungus Garden. *MSystems*, **2021**, 6, e0060121	7.6	0

List of Publications

1	Metabolic Profiling of Interspecies Interactions During Sessile Bacterial Cultivation Reveals Growth and Sporulation Induction in in Response to .. *Frontiers in Cellular and Infection Microbiology*, **2022**, 12, 805473	5.9