Ricardo Da Silva

List of Publications by Year
in descending order

57 papers	19,017 citations	159358 30 h-index	174990 52 g-index
69 all docs	69 docs citations	69 times ranked	22624 citing authors

#	Article	IF	Citations
1	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.	1.2	7
2	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
3	Microbial and Nonvolatile Chemical Diversities of Chinese Dark Teas Are Differed by Latitude and Pile Fermentation. Journal of Agricultural and Food Chemistry, 2022, 70, 5701-5714.	2.4	11
4	Metabolomics Analysis of Bacterial Pathogen <i>Burkholderia thailandensis</i> and Mammalian Host Cells in Co-culture. ACS Infectious Diseases, 2022, 8, 1646-1662.	1.8	3
5	A Multi-Omics Characterization of the Natural Product Potential of Tropical Filamentous Marine Cyanobacteria. Marine Drugs, 2021, 19, 20.	2.2	19
6	Convergent evolution of pain-inducing defensive venom components in spitting cobras. Science, 2021, 371, 386-390.	6.0	96
7	Chemical Gradients of Plant Substrates in an <i>Atta texana</i> Fungus Garden. MSystems, 2021, 6, e0060121.	1.7	2
8	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.	0.9	9
9	Time-Scale Shifting of Volatile Semiochemical Levels in Wild Type Lychnophora ericoides (Brazilian) Tj ETQq1 1 0.784314 rgBT /Overlock	0.7	3
10	Untargeted mass spectrometry-based metabolomics approach unveils molecular changes in raw and processed foods and beverages. Food Chemistry, 2020, 302, 125290.	4.2	52
11	Mass spectrometry searches using MASST. Nature Biotechnology, 2020, 38, 23-26.	9.4	160
12	Feature-based molecular networking in the GNPS analysis environment. Nature Methods, 2020, 17, 905-908.	9.0	650
13	Distinct photo-oxidation-induced cell death pathways lead to selective killing of human breast cancer cells. Cell Death and Disease, 2020, 11, 1070.	2.7	34
14	Differences in Cystic Fibrosis-Associated <i>Burkholderia</i> spp. Bacteria Metabolomes after Exposure to the Antibiotic Trimethoprim. ACS Infectious Diseases, 2020, 6, 1154-1168.	1.8	14
15	Global chemical effects of the microbiome include new bile-acid conjugations. Nature, 2020, 579, 123-129.	13.7	316
16	Assessing specialized metabolite diversity of Alnus species by a digitized LC–MS/MS data analysis workflow. Phytochemistry, 2020, 173, 112292.	1.4	15
17	Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. Nature Biotechnology, 2019, 37, 852-857.	9.4	11,167
18	Assessing Specialized Metabolite Diversity in the Cosmopolitan Plant Genus Euphorbia L.. Frontiers in Plant Science, 2019, 10, 846.	1.7	40

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19	Molecular and Microbial Microenvironments in Chronically Diseased Lungs Associated with Cystic Fibrosis. MSystems, 2019, 4, .	1.7	23
20	Investigation of Premyrsinane and Myrsinane Esters in <i>Euphorbia cupanii</i> and <i>Euphobia pithyusa</i> with <i>MS2LDA</i> and Combinatorial Molecular Network Annotation Propagation. Journal of Natural Products, 2019, 82, 1459-1470.	1.5	24
21	The impact of skin care products on skin chemistry and microbiome dynamics. BMC Biology, 2019, 17, 47.	1.7	101
22	Initial Development toward Non-Invasive Drug Monitoring via Untargeted Mass Spectrometric Analysis of Human Skin. Analytical Chemistry, 2019, 91, 8062-8069.	3.2	17
23	In silico annotation of discriminative markers of three Zanthoxylum species using molecular network derived annotation propagation. Food Chemistry, 2019, 295, 368-376.	4.2	17
24	Neutrophilic proteolysis in the cystic fibrosis lung correlates with a pathogenic microbiome. Microbiome, 2019, 7, 23.	4.9	53
25	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
26	How many shades of grey are in conformity assessment due to measurement uncertainty?. Journal of Physics: Conference Series, 2019, 1420, 012001.	0.3	5
27	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
28	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
29	Chemical profiling of two congeneric sea mat corals along the Brazilian coast: adaptive and functional patterns. Chemical Communications, 2018, 54, 1952-1955.	2.2	16
30	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.	4.2	26
31	A comparative venomic fingerprinting approach reveals that galling and non-galling fig wasp species have different venom profiles. PLoS ONE, 2018, 13, e0207051.	1.1	9
32	Niche partitioning of a pathogenic microbiome driven by chemical gradients. Science Advances, 2018, 4, eaau1908.	4.7	40
33	American Gut: an Open Platform for Citizen Science Microbiome Research. MSystems, 2018, 3, .	1.7	604
34	Propagating annotations of molecular networks using in silico fragmentation. PLoS Computational Biology, 2018, 14, e1006089.	1.5	242
35	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.	2.9	18
36	Targeted Isolation of Neuroprotective Dicoumaroyl Neolignans and Lignans from <i>Sageretia theezans</i> Using <i>in Silico</i> Molecular Network Annotation Propagation-Based Dereplication. Journal of Natural Products, 2018, 81, 1819-1828.	1.5	44

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37	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
38	Three-Dimensional Microbiome and Metabolome Cartography of a Diseased Human Lung. Cell Host and Microbe, 2017, 22, 705-716.e4.	5.1	111
39	Risk of false decision on conformity of a multicomponent material when test results of the components' content are correlated. Talanta, 2017, 174, 789-796.	2.9	31
40	Global chemical analysis of biology by mass spectrometry. Nature Reviews Chemistry, 2017, 1, .	13.8	146
41	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.	1.5	105
42	Conformity assessment of multicomponent materials or objects: Risk of false decisions due to measurement uncertainty â€“ A case study of denatured alcohols. Talanta, 2017, 164, 189-195.	2.9	33
43	High-Resolution Liquid Chromatography Tandem Mass Spectrometry Enables Large Scale Molecular Characterization of Dissolved Organic Matter. Frontiers in Marine Science, 2017, 4, .	1.2	94
44	From Sample to Multi-Omics Conclusions in under 48 Hours. MSystems, 2016, 1, .	1.7	53
45	Application of MALDI Mass Spectrometry in Natural Products Analysis. Planta Medica, 2016, 82, 671-689.	0.7	30
46	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. Nature Biotechnology, 2016, 34, 828-837.	9.4	2,802
47	Lifestyle chemistries from phones for individual profiling. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7645-E7654.	3.3	55
48	Queen signals in a stingless bee: suppression of worker ovary activation and spatial distribution of active compounds. Scientific Reports, 2015, 4, 7449.	1.6	55
49	A metabolomic protocol for plant systematics by matrix-assisted laser-desorption/ionization time-of flight mass spectrometry. Analytica Chimica Acta, 2015, 859, 46-58.	2.6	9
50	Illuminating the dark matter in metabolomics. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12549-12550.	3.3	387
51	ProbMetab: an *R* package for Bayesian probabilistic annotation of LCâ€“MS-based metabolomics. Bioinformatics, 2014, 30, 1336-1337.	1.8	51
52	Mass spectrometry in plant metabolomics strategies: from analytical platforms to data acquisition and processing. Natural Product Reports, 2014, 31, 784.	5.2	149
53	REDES MOLECULARES: UMA ANÁLISE SOBRE ANOTAÃ‡Ã•ES E DESCOBERTA DE NOVOS ATIVOS. Quimica Nova, 0, , .	0.3	4
54	Three Dimensional Cartography of Microbiome and Metabolome Data onto Radiological Images of the Human Lung. SSRN Electronic Journal, 0, , .	0.4	0

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55	\Integrated metabolome mining and annotation pipeline accelerates elucidation and prioritisation of specialised metabolites\. , 0, , .		0
56	CHAPTER 3. Metabolomics. Chemical Biology, 0, , 57-81.	0.1	1
57	CHAPTER 10. Perspectives for the Future. Chemical Biology, 0, , 264-287.	0.1	0