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List of Publications by Year in descending order

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44
papers

2,702
citations

236833

25
h-index

233338

45
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47
all docs

47
docs citations

47
times ranked

5177
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward interoperable bioscience data. <i>Nature Genetics</i> , 2012, 44, 121-126.	9.4	362
2	Workflow4Metabolomics: a collaborative research infrastructure for computational metabolomics. <i>Bioinformatics</i> , 2015, 31, 1493-1495.	1.8	333
3	Being Pathogenic, Plastic, and Sexual while Living with a Nearly Minimal Bacterial Genome. <i>PLoS Genetics</i> , 2007, 3, e75.	1.5	176
4	Life on Arginine for <i>Mycoplasma hominis</i> : Clues from Its Minimal Genome and Comparison with Other Human Urogenital Mycoplasmas. <i>PLoS Genetics</i> , 2009, 5, e1000677.	1.5	172
5	Mapping the proteome of poplar and application to the discovery of drought-stress responsive proteins. <i>Proteomics</i> , 2006, 6, 6509-6527.	1.3	155
6	¹ H NMR, GC-MS, and Data Set Correlation for Fruit Metabolomics: Application to Spatial Metabolite Analysis in Melon. <i>Analytical Chemistry</i> , 2009, 81, 2884-2894.	3.2	147
7	COordination of Standards in Metabolomics (COSMOS): facilitating integrated metabolomics data access. <i>Metabolomics</i> , 2015, 11, 1587-1597.	1.4	140
8	NMRProcFlow: a graphical and interactive tool dedicated to 1D spectra processing for NMR-based metabolomics. <i>Metabolomics</i> , 2017, 13, 36.	1.4	128
9	Plant metabolism as studied by NMR spectroscopy. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2017, 102-103, 61-97.	3.9	85
10	Comparative genomic and proteomic analyses of two <i>Mycoplasma agalactiae</i> strains: clues to the macro- and micro-events that are shaping mycoplasma diversity. <i>BMC Genomics</i> , 2010, 11, 86.	1.2	83
11	<i>Mycoplasma mycoides</i> , from "mycoides Small Colony" to "capri". A microevolutionary perspective. <i>BMC Genomics</i> , 2011, 12, 114.	1.2	64
12	Metabolomic profiling in tomato reveals diel compositional changes in fruit affected by source-sink relationships. <i>Journal of Experimental Botany</i> , 2015, 66, 3391-3404.	2.4	62
13	PhenoMeNal: processing and analysis of metabolomics data in the cloud. <i>GigaScience</i> , 2019, 8, .	3.3	60
14	Highly Repeatable Dissolution Dynamic Nuclear Polarization for Heteronuclear NMR Metabolomics. <i>Analytical Chemistry</i> , 2016, 88, 6179-6183.	3.2	57
15	MeRy-B: a web knowledgebase for the storage, visualization, analysis and annotation of plant NMR metabolomic profiles. <i>BMC Plant Biology</i> , 2011, 11, 104.	1.6	54
16	Proton NMR quantitative profiling for quality assessment of greenhouse-grown tomato fruit. <i>Metabolomics</i> , 2009, 5, 183-198.	1.4	51
17	nmrML: A Community Supported Open Data Standard for the Description, Storage, and Exchange of NMR Data. <i>Analytical Chemistry</i> , 2018, 90, 649-656.	3.2	50
18	Hyperpolarized NMR Metabolomics at Natural ¹³ C Abundance. <i>Analytical Chemistry</i> , 2020, 92, 14867-14871.	3.2	44

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19	MetaBase--the wiki-database of biological databases. <i>Nucleic Acids Research</i> , 2012, 40, D1250-D1254.	6.5	40
20	Optimizing 1D 1H-NMR profiling of plant samples for high throughput analysis: extract preparation, standardization, automation and spectra processing. <i>Metabolomics</i> , 2019, 15, 28.	1.4	37
21	Biomass composition explains fruit relative growth rate and discriminates climacteric from non-climacteric species. <i>Journal of Experimental Botany</i> , 2020, 71, 5823-5836.	2.4	35
22	Comparative Metabolomics and Molecular Phylogenetics of Melon (<i>Cucumis melo</i> , Cucurbitaceae) Biodiversity. <i>Metabolites</i> , 2020, 10, 121.	1.3	35
23	Maize metabolome and proteome responses to controlled cold stress partly mimic early-sowing effects in the field and differ from those of <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2021, 44, 1504-1521.	2.8	32
24	An integrative genomics approach for deciphering the complex interactions between ascorbate metabolism and fruit growth and composition in tomato. <i>Comptes Rendus - Biologies</i> , 2009, 332, 1007-1021.	0.1	30
25	Integrative Metabolomics for Assessing the Effect of Insect (<i>Hermetia illucens</i>) Protein Extract on Rainbow Trout Metabolism. <i>Metabolites</i> , 2020, 10, 83.	1.3	27
26	Management and dissemination of MS proteomic data with PROTEOMICSdb: Example of a quantitative comparison between methods of protein extraction. <i>Proteomics</i> , 2013, 13, 1457-1466.	1.3	25
27	An efficient spectra processing method for metabolite identification from 1H-NMR metabolomics data. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5049-5061.	1.9	24
28	MeRy-B, a Metabolomic Database and Knowledge Base for Exploring Plant Primary Metabolism. <i>Methods in Molecular Biology</i> , 2014, 1083, 3-16.	0.4	22
29	Deciphering genetic diversity and inheritance of tomato fruit weight and composition through a systems biology approach. <i>Journal of Experimental Botany</i> , 2013, 64, 5737-5752.	2.4	20
30	FAIRness Literacy: The Achilles'™ Heel of Applying FAIR Principles. <i>Data Science Journal</i> , 2020, 19, .	0.6	19
31	NMR-Based Tissue and Developmental Metabolomics of Tomato Fruit. <i>Metabolites</i> , 2019, 9, 93.	1.3	18
32	Metabolomic characterization of sunflower leaf allows discriminating genotype groups or stress levels with a minimal set of metabolic markers. <i>Metabolomics</i> , 2019, 15, 56.	1.4	17
33	Predictive metabolomics of multiple Atacama plant species unveils a core set of generic metabolites for extreme climate resilience. <i>New Phytologist</i> , 2022, 234, 1614-1628.	3.5	17
34	Metabotyping of 30 maize hybrids under early-sowing conditions reveals potential marker-metabolites for breeding. <i>Metabolomics</i> , 2018, 14, 132.	1.4	15
35	High-Resolution 1H-NMR Spectroscopy and Beyond to Explore Plant Metabolome. <i>Advances in Botanical Research</i> , 2013, , 1-66.	0.5	14
36	Characterization of GMO or glyphosate effects on the composition of maize grain and maize-based diet for rat feeding. <i>Metabolomics</i> , 2018, 14, 36.	1.4	9

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37	Draft Genome Sequences of <i>Mycoplasma alkalescens</i> , <i>Mycoplasma arginini</i> , and <i>Mycoplasma bovis</i> , Three Species with Equivocal Pathogenic Status for Cattle. <i>Genome Announcements</i> , 2013, 1, .	0.8	8
38	In silico exploration of the fructose-6-phosphate phosphorylation step in glycolysis: genomic evidence of the coexistence of an atypical ATP-dependent along with a PPI-dependent phosphofructokinase in <i>Propionibacterium freudenreichii</i> subsp. <i>shermanii</i> . <i>In Silico Biology</i> , 2004, 4, 517-28.	0.4	8
39	Whey drainage during soft cheese manufacture and properties of drained curd as modified by casein concentration, whey protein to casein ratio, and pasteurisation of milk. <i>Dairy Science and Technology</i> , 2000, 80, 573-587.	0.9	6
40	Making experimental data tables in the life sciences more FAIR: a pragmatic approach. <i>GigaScience</i> , 2020, 9, .	3.3	6
41	PeakForest: a multi-platform digital infrastructure for interoperable metabolite spectral data and metadata management. <i>Metabolomics</i> , 2022, 18, .	1.4	4
42	Draft Genome Sequences of <i>Mycoplasma auris</i> and <i>Mycoplasma yeatsii</i> , Two Species of the Ear Canal of <i>Caprinae</i> . <i>Genome Announcements</i> , 2013, 1, .	0.8	3
43	Leaf metabolomic data of eight sunflower lines and their sixteen hybrids under water deficit. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2021, 28, 42.	0.6	2
44	Complete Genome Sequence of <i>Mycoplasma putrefaciens</i> Strain 9231, One of the Agents of Contagious Agalactia in Goats. <i>Genome Announcements</i> , 2013, 1, .	0.8	1