

Fabien Jourdan

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,495
citations

361388

20
h-index

345203

36
g-index

62
all docs

62
docs citations

62
times ranked

2575
citing authors

#	ARTICLE	IF	CITATIONS
1	MetExplore: a web server to link metabolomic experiments and genome-scale metabolic networks. <i>Nucleic Acids Research</i> , 2010, 38, W132-W137.	14.5	148
2	Can we trust untargeted metabolomics? Results of the metabo-ring initiative, a large-scale, multi-instrument inter-laboratory study. <i>Metabolomics</i> , 2015, 11, 807-821.	3.0	112
3	MetExplore: collaborative edition and exploration of metabolic networks. <i>Nucleic Acids Research</i> , 2018, 46, W495-W502.	14.5	101
4	Computational methods to identify metabolic sub-networks based on metabolomic profiles. <i>Briefings in Bioinformatics</i> , 2017, 18, 43-56.	6.5	62
5	PhenoMeNal: processing and analysis of metabolomics data in the cloud. <i>GigaScience</i> , 2019, 8, .	6.4	60
6	Pathway analysis in metabolomics: Recommendations for the use of over-representation analysis. <i>PLoS Computational Biology</i> , 2021, 17, e1009105.	3.2	59
7	MetaNetter: inference and visualization of high-resolution metabolomic networks. <i>Bioinformatics</i> , 2008, 24, 143-145.	4.1	56
8	Communities and hierarchical structures in dynamic social networks: analysis and visualization. <i>Social Network Analysis and Mining</i> , 2011, 1, 83-95.	2.8	56
9	Mitochondrial metabolism supports resistance to IDH mutant inhibitors in acute myeloid leukemia. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	56
10	ProbMetab: an R package for Bayesian probabilistic annotation of LC-MS-based metabolomics. <i>Bioinformatics</i> , 2014, 30, 1336-1337.	4.1	51
11	Mind the Gap: Mapping Mass Spectral Databases in Genome-Scale Metabolic Networks Reveals Poorly Covered Areas. <i>Metabolites</i> , 2018, 8, 51.	2.9	51
12	Integrated transcriptomics and metabolomics reveal signatures of lipid metabolism dysregulation in HepaRG liver cells exposed to PCB 126. <i>Archives of Toxicology</i> , 2018, 92, 2533-2547.	4.2	48
13	MetExploreViz: web component for interactive metabolic network visualization. <i>Bioinformatics</i> , 2018, 34, 312-313.	4.1	46
14	Dynamic Metabolic Disruption in Rats Perinatally Exposed to Low Doses of Bisphenol-A. <i>PLoS ONE</i> , 2015, 10, e0141698.	2.5	43
15	Metabolic network visualization eliminating node redundancy and preserving metabolic pathways. <i>BMC Systems Biology</i> , 2007, 1, 29.	3.0	35
16	TrypanoCyc: a community-led biochemical pathways database for <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 2015, 43, D637-D644.	14.5	35
17	The GOLIATH Project: Towards an Internationally Harmonised Approach for Testing Metabolism Disrupting Compounds. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3480.	4.1	35
18	Networks and Graphs Discovery in Metabolomics Data Analysis and Interpretation. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 841373.	3.5	35

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19	Use of reconstituted metabolic networks to assist in metabolomic data visualization and mining. <i>Metabolomics</i> , 2010, 6, 312-321.	3.0	29
20	MetaNetter 2: A Cytoscape plugin for ab initio network analysis and metabolite feature classification. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1071, 68-74.	2.3	28
21	MetaboRank: network-based recommendation system to interpret and enrich metabolomics results. <i>Bioinformatics</i> , 2019, 35, 274-283.	4.1	24
22	Graph methods for the investigation of metabolic networks in parasitology. <i>Parasitology</i> , 2010, 137, 1393-1407.	1.5	21
23	Bisphenol A Exposure Disrupts Neurotransmitters Through Modulation of Transaminase Activity in the Brain of Rodents. <i>Endocrinology</i> , 2016, 157, 1736-1739.	2.8	20
24	Inhibition of enteric methanogenesis in dairy cows induces changes in plasma metabolome highlighting metabolic shifts and potential markers of emission. <i>Scientific Reports</i> , 2020, 10, 15591.	3.3	19
25	The future of metabolomics in ELIXIR. <i>F1000Research</i> , 2017, 6, 1649.	1.6	19
26	Detecting Structural Changes and Command Hierarchies in Dynamic Social Networks. , 2009, , .		18
27	Multiplatform metabolomics for an integrative exploration of metabolic syndrome in older men. <i>EBioMedicine</i> , 2021, 69, 103440.	6.1	18
28	An Untargeted Metabolomics Approach to Investigate the Metabolic Modulations of HepG2 Cells Exposed to Low Doses of Bisphenol A and 17 β -Estradiol. <i>Frontiers in Endocrinology</i> , 2018, 9, 571.	3.5	17
29	Improving lipid mapping in Genome Scale Metabolic Networks using ontologies. <i>Metabolomics</i> , 2020, 16, 44.	3.0	17
30	Intuitive Visualization and Analysis of Multi-Omics Data and Application to Escherichia coli Carbon Metabolism. <i>PLoS ONE</i> , 2011, 6, e21318.	2.5	15
31	Arterio-venous metabolomics exploration reveals major changes across liver and intestine in the obese Yucatan minipig. <i>Scientific Reports</i> , 2019, 9, 12527.	3.3	14
32	Telling metabolic stories to explore metabolomics data: a case study on the yeast response to cadmium exposure. <i>Bioinformatics</i> , 2014, 30, 61-70.	4.1	13
33	Flux Analysis of the <i>Trypanosoma brucei</i> Glycolysis Based on a Multiobjective-Criteria Bioinformatic Approach. <i>Advances in Bioinformatics</i> , 2012, 2012, 1-16.	5.7	11
34	¹ H-NMR metabolomics response to a realistic diet contamination with the mycotoxin deoxynivalenol: Effect of probiotics supplementation. <i>Food and Chemical Toxicology</i> , 2020, 138, 111222.	3.6	11
35	The future of metabolomics in ELIXIR. <i>F1000Research</i> , 2017, 6, 1649.	1.6	11
36	Targeted versus untargeted omics – the CAFSA story. <i>Journal of Inherited Metabolic Disease</i> , 2018, 41, 447-456.	3.6	10

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37	Telling stories: Enumerating maximal directed acyclic graphs with a constrained set of sources and targets. <i>Theoretical Computer Science</i> , 2012, 457, 1-9.	0.9	8
38	A Computational Solution to Automatically Map Metabolite Libraries in the Context of Genome Scale Metabolic Networks. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 2.	3.5	8
39	FORUM: building a Knowledge Graph from public databases and scientific literature to extract associations between chemicals and diseases. <i>Bioinformatics</i> , 2021, 37, 3896-3904.	4.1	8
40	DEXOM: Diversity-based enumeration of optimal context-specific metabolic networks. <i>PLoS Computational Biology</i> , 2021, 17, e1008730.	3.2	7
41	Large-Scale Modeling Approach Reveals Functional Metabolic Shifts during Hepatic Differentiation. <i>Journal of Proteome Research</i> , 2019, 18, 204-216.	3.7	6
42	Milk metabolome reveals variations on enteric methane emissions from dairy cows fed a specific inhibitor of the methanogenesis pathway. <i>Journal of Dairy Science</i> , 2021, 104, 12553-12566.	3.4	6
43	Revealing Subnetwork Roles using Contextual Visualization: Comparison of Metabolic Networks. , 2008, , .		5
44	Gaining Insights Into Metabolic Networks Using Chemometrics and Bioinformatics: Chronic Kidney Disease as a Clinical Model. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 682559.	3.5	5
45	Osteogenic Response of Human Mesenchymal Stem Cells Analysed Using Combined Intracellular and Extracellular Metabolomic Monitoring. <i>Cellular Physiology and Biochemistry</i> , 2021, 55, 311-326.	1.6	5
46	Gestational exposure to bisphenol A induces region-specific changes in brain metabolomic fingerprints in sheep. <i>Environment International</i> , 2022, 165, 107336.	10.0	5
47	A Stable Decomposition Algorithm for Dynamic Social Network Analysis. <i>Studies in Computational Intelligence</i> , 2010, , 167-178.	0.9	4
48	PeakForest: a multi-platform digital infrastructure for interoperable metabolite spectral data and metadata management. <i>Metabolomics</i> , 2022, 18, .	3.0	4
49	Postprandial NMR-Based Metabolic Exchanges Reflect Impaired Phenotypic Flexibility across Splanchnic Organs in the Obese Yucatan Mini-Pig. <i>Nutrients</i> , 2020, 12, 2442.	4.1	3
50	ELIXIR and Toxicology: a community in development. <i>F1000Research</i> , 0, 10, 1129.	1.6	3
51	Multiscale Scatterplot Matrix for Visual and Interactive Exploration of Metabonomic Data. <i>Lecture Notes in Computer Science</i> , 2007, , 202-215.	1.3	2
52	Plant genome-scale metabolic networks. <i>Advances in Botanical Research</i> , 2021, , 237-270.	1.1	1
53	Une approche MDS hybride pour l'exploration visuelle interactive. , 2005, , .		0
54	Qualitative Modelling of Metabolic Networks. <i>Advances in Botanical Research</i> , 2013, 67, 557-591.	1.1	0

#	ARTICLE	IF	CITATIONS
55	IDH1 Mutation Enhances Catabolic Flexibility and Mitochondrial Dependencies to Favor Drug Resistance in Acute Myeloid Leukemia. SSRN Electronic Journal, 0, , .	0.4	0