Fabien Jourdan

List of Publications by Year
in descending order

55 papers	**1,495** citations	361413 **20** h-index
62 all docs	**62** docs citations	**62** times ranked

345221 **36** g-index
2575 citing authors

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

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19	Use of reconstituted metabolic networks to assist in metabolomic data visualization and mining. Metabolomics, 2010, 6, 312-321.	3.0	29
20	MetaNetter 2: A Cytoscape plugin for ab initio network analysis and metabolite feature classification. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1071, 68-74.	2.3	28
21	MetaboRank: network-based recommendation system to interpret and enrich metabolomics results. Bioinformatics, 2019, 35, 274-283.	4.1	24
22	Graph methods for the investigation of metabolic networks in parasitology. Parasitology, 2010, 137, 1393-1407.	1.5	21
23	Bisphenol A Exposure Disrupts Neurotransmitters Through Modulation of Transaminase Activity in the Brain of Rodents. Endocrinology, 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. Scientific Reports, 2020, 10, 15591.	3.3	19
25	The future of metabolomics in ELIXIR. F1000Research, 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. EBioMedicine, 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 17β-Estradiol. Frontiers in Endocrinology, 2018, 9, 571.	3.5	17
29	Improving lipid mapping in Genome Scale Metabolic Networks using ontologies. Metabolomics, 2020, 16, 44.	3.0	17
30	Intuitive Visualization and Analysis of Multi-Omics Data and Application to Escherichia coli Carbon Metabolism. PLoS ONE, 2011, 6, e21318.	2.5	15
31	Arterio-venous metabolomics exploration reveals major changes across liver and intestine in the obese Yucatan minipig. Scientific Reports, 2019, 9, 12527.	3.3	14
32	Telling metabolic stories to explore metabolomics data: a case study on the yeast response to cadmium exposure. Bioinformatics, 2014, 30, 61-70.	4.1	13
33	Flux Analysis of the <i>Trypanosoma brucei</i> Glycolysis Based on a Multiobjective-Criteria Bioinformatic Approach. Advances in Bioinformatics, 2012, 2012, 1-16.	5.7	11
34	1H-NMR metabolomics response to a realistic diet contamination with the mycotoxin deoxynivalenol: Effect of probiotics supplementation. Food and Chemical Toxicology, 2020, 138, 111222.	3.6	11
35	The future of metabolomics in ELIXIR. F1000Research, 2017, 6, 1649.	1.6	11
36	Targeted versus untargeted omics â€" the CAFSA story. Journal of Inherited Metabolic Disease, 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. Theoretical Computer Science, 2012, 457, 1-9.	0.9	8
38	A Computational Solution to Automatically Map Metabolite Libraries in the Context of Genome Scale Metabolic Networks. Frontiers in Molecular Biosciences, 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. Bioinformatics, 2021, 37, 3896-3904.	4.1	8
40	DEXOM: Diversity-based enumeration of optimal context-specific metabolic networks. PLoS Computational Biology, 2021, 17, e1008730.	3.2	7
41	Large-Scale Modeling Approach Reveals Functional Metabolic Shifts during Hepatic Differentiation. Journal of Proteome Research, 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. Journal of Dairy Science, 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. Frontiers in Molecular Biosciences, 2021, 8, 682559.	3.5	5
45	Osteogenic Response of Human Mesenchymal Stem Cells Analysed Using Combined Intracellular and Extracellular Metabolomic Monitoring. Cellular Physiology and Biochemistry, 2021, 55, 311-326.	1.6	5
46	Gestational exposure to bisphenol A induces region-specific changes in brain metabolomic fingerprints in sheep. Environment International, 2022, 165, 107336.	10.0	5
47	A Stable Decomposition Algorithm for Dynamic Social Network Analysis. Studies in Computational Intelligence, 2010, , 167-178.	0.9	4
48	PeakForest: a multi-platform digital infrastructure for interoperable metabolite spectral data and metadata management. Metabolomics, 2022, 18, .	3.0	4
49	Postprandial NMR-Based Metabolic Exchanges Reflect Impaired Phenotypic Flexibility across Splanchnic Organs in the Obese Yucatan Mini-Pig. Nutrients, 2020, 12, 2442.	4.1	3
50	ELIXIR and Toxicology: a community in development. F1000Research, 0, 10, 1129.	1.6	3
51	Multiscale Scatterplot Matrix for Visual and Interactive Exploration of Metabonomic Data. Lecture Notes in Computer Science, 2007, , 202-215.	1.3	2
52	Plant genome-scale metabolic networks. Advances in Botanical Research, 2021, , 237-270.	1.1	1
53	Une approche MDS hybride pour l'exploration visuelle interactive. , 2005, , .		0
54	Qualitative Modelling of Metabolic Networks. Advances in Botanical Research, 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