

# Mario Latendresse

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

8,912  
citations

257450

24  
h-index

377865

34  
g-index

34  
all docs

34  
docs citations

34  
times ranked

12667  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic Modeling with MetaFlux. <i>Methods in Molecular Biology</i> , 2022, 2349, 259-289.	0.9	3
2	Pathway Tools version 23.0 update: software for pathway/genome informatics and systems biology. <i>Briefings in Bioinformatics</i> , 2021, 22, 109-126.	6.5	117
3	Metabolic route computation in organism communities. <i>Microbiome</i> , 2019, 7, 89.	11.1	4
4	Using Pathway Covering to Explore Connections among Metabolites. <i>Metabolites</i> , 2019, 9, 88.	2.9	3
5	The BioCyc collection of microbial genomes and metabolic pathways. <i>Briefings in Bioinformatics</i> , 2019, 20, 1085-1093.	6.5	582
6	The EcoCyc Database. <i>EcoSal Plus</i> , 2018, 8, .	5.4	75
7	The MetaCyc database of metabolic pathways and enzymes. <i>Nucleic Acids Research</i> , 2018, 46, D633-D639.	14.5	658
8	How accurate is automated gap filling of metabolic models?. <i>BMC Systems Biology</i> , 2018, 12, 73.	3.0	33
9	Evaluation of reaction gap-filling accuracy by randomization. <i>BMC Bioinformatics</i> , 2018, 19, 53.	2.6	14
10	The EcoCyc database: reflecting new knowledge about <i>Escherichia coli</i> K-12. <i>Nucleic Acids Research</i> , 2017, 45, D543-D550.	14.5	541
11	The MetaCyc database of metabolic pathways and enzymes and the BioCyc collection of pathway/genome databases. <i>Nucleic Acids Research</i> , 2016, 44, D471-D480.	14.5	1,788
12	Pathway Tools version 19.0 update: software for pathway/genome informatics and systems biology. <i>Briefings in Bioinformatics</i> , 2016, 17, 877-890.	6.5	250
13	Computational Metabolomics Operations at BioCyc.org. <i>Metabolites</i> , 2015, 5, 291-310.	2.9	26
14	The MetaCyc database of metabolic pathways and enzymes and the BioCyc collection of Pathway/Genome Databases. <i>Nucleic Acids Research</i> , 2014, 42, D459-D471.	14.5	1,023
15	Optimal metabolic route search based on atom mappings. <i>Bioinformatics</i> , 2014, 30, 2043-2050.	4.1	47
16	Efficiently gap-filling reaction networks. <i>BMC Bioinformatics</i> , 2014, 15, 225.	2.6	33
17	EcoCyc: fusing model organism databases with systems biology. <i>Nucleic Acids Research</i> , 2013, 41, D605-D612.	14.5	505
18	Construction and completion of flux balance models from pathway databases. <i>Bioinformatics</i> , 2012, 28, 388-396.	4.1	86

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19	Accurate Atom-Mapping Computation for Biochemical Reactions. Journal of Chemical Information and Modeling, 2012, 52, 2970-2982.	5.4	67
20	Regulatory network operations in the Pathway Tools software. BMC Bioinformatics, 2012, 13, 243.	2.6	13
21	The MetaCyc database of metabolic pathways and enzymes and the BioCyc collection of pathway/genome databases. Nucleic Acids Research, 2012, 40, D742-D753.	14.5	561
22	Browsing Metabolic and Regulatory Networks with BioCyc. Methods in Molecular Biology, 2012, 804, 197-216.	0.9	27
23	The Pathway Tools Pathway Prediction Algorithm. Standards in Genomic Sciences, 2011, 5, 424-429.	1.5	109
24	Using cellular network diagrams to interpret large-scale datasets: past progress and future challenges. Proceedings of SPIE, 2011, , .	0.8	1
25	Web-based metabolic network visualization with a zooming user interface. BMC Bioinformatics, 2011, 12, 176.	2.6	30
26	EcoCyc: a comprehensive database of Escherichia coli biology. Nucleic Acids Research, 2011, 39, D583-D590.	14.5	444
27	Creation of a Genome-Wide Metabolic Pathway Database for <i>Populus trichocarpa</i> Using a New Approach for Reconstruction and Curation of Metabolic Pathways for Plants. Plant Physiology, 2010, 153, 1479-1491.	4.8	115
28	The MetaCyc database of metabolic pathways and enzymes and the BioCyc collection of pathway/genome databases. Nucleic Acids Research, 2010, 38, D473-D479.	14.5	403
29	An advanced web query interface for biological databases. Database: the Journal of Biological Databases and Curation, 2010, 2010, baq006-baq006.	3.0	10
30	Pathway Tools version 13.0: integrated software for pathway/genome informatics and systems biology. Briefings in Bioinformatics, 2010, 11, 40-79.	6.5	551
31	Multidimensional annotation of the Escherichia coli K-12 genome. Nucleic Acids Research, 2007, 35, 7577-7590.	14.5	168
32	The MetaCyc Database of metabolic pathways and enzymes and the BioCyc collection of Pathway/Genome Databases. Nucleic Acids Research, 2007, 36, D623-D631.	14.5	600
33	Masquerade Detection via Customized Grammars. Lecture Notes in Computer Science, 2005, , 141-159.	1.3	21
34	Generation of fast interpreters for Huffman compressed bytecode. Science of Computer Programming, 2005, 57, 295-317.	1.9	4