Maria I Pires Pacheco

List of Publications by Year
in descending order

20	646	840119 11	839053 18
papers	citations	h-index	g-index

23	23	23	866
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fast Reconstruction of Compact Context-Specific Metabolic Network Models. PLoS Computational Biology, 2014, 10, e1003424.	1.5	212
2	The gut microbial metabolite formate exacerbates colorectal cancer progression. Nature Metabolism, 2022, 4, 458-475.	5.1	97
3	Integrated InÂVitro and In Silico Modeling Delineates the Molecular Effects of a Synbiotic Regimen on Colorectal-Cancer-Derived Cells. Cell Reports, 2019, 27, 1621-1632.e9.	2.9	59
4	Identifying and targeting cancer-specific metabolism with network-based drug target prediction. EBioMedicine, 2019, 43, 98-106.	2.7	53
5	Integrated metabolic modelling reveals cell-type specific epigenetic control points of the macrophage metabolic network. BMC Genomics, 2015, 16, 809.	1.2	35
6	Loss of Ambra1 promotes melanoma growth and invasion. Nature Communications, 2021, 12, 2550.	5.8	30
7	Benchmarking Procedures for High-Throughput Context Specific Reconstruction Algorithms. Frontiers in Physiology, 2015, 6, 410.	1.3	26
8	The Power of LC-MS Based Multiomics: Exploring Adipogenic Differentiation of Human Mesenchymal Stem/Stromal Cells. Molecules, 2019, 24, 3615.	1.7	23
9	Towards improved genome-scale metabolic network reconstructions: unification, transcript specificity and beyond. Briefings in Bioinformatics, 2015, 17, bbv100.	3.2	19
10	The neural stem cell fate determinant TRIM32 regulates complex behavioral traits. Frontiers in Cellular Neuroscience, 2015, 9, 75.	1.8	18
11	DCcov: Repositioning of drugs and drug combinations for SARS-CoV-2 infected lung through constraint-based modeling. IScience, 2021, 24, 103331.	1.9	16
12	Towards the routine use of in silico screenings for drug discovery using metabolic modelling. Biochemical Society Transactions, 2020, 48, 955-969.	1.6	13
13	The FASTCORE Family: For the Fast Reconstruction of Compact Context-Specific Metabolic Networks Models. Methods in Molecular Biology, 2018, 1716, 101-110.	0.4	11
14	A dynamic multi-tissue model to study human metabolism. Npj Systems Biology and Applications, 2021, 7, 5.	1.4	10
15	Importance of the biomass formulation for cancer metabolic modeling and drug prediction. IScience, 2021, 24, 103110.	1.9	8
16	Towards the network-based prediction of repurposed drugs using patient-specific metabolic models. EBioMedicine, 2019, 43, 26-27.	2.7	7
17	Bruceine D Identified as a Drug Candidate against Breast Cancer by a Novel Drug Selection Pipeline and Cell Viability Assay. Pharmaceuticals, 2022, 15, 179.	1.7	3
18	Project-based learning course on metabolic network modelling in computational systems biology. PLoS Computational Biology, 2022, 18, e1009711.	1.5	3

#	Article	IF	Citations
19	Towards the Integration of Metabolic Network Modelling and Machine Learning for the Routine Analysis of High-Throughput Patient Data. Computational Biology, 2019, , 401-424.	0.1	0
20	Integrated in Vitro and in Silico Modelling Delineates the Molecular Effects of a Symbiotic Regimen on Colorectal Cancer-Derived Cells. SSRN Electronic Journal, 0, , .	0.4	0