

# Marta R Hidalgo

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

920  
citations

840776

11  
h-index

713466

21  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1892  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-scale mechanistic modeling of signaling pathways made easy: A bioconductor/cytoscape/web server framework for the analysis of omic data. Computational and Structural Biotechnology Journal, 2021, 19, 2968-2978.	4.1	9
2	Hepatic steatosis and steatohepatitis: a functional meta-analysis of sex-based differences in transcriptomic studies. Biology of Sex Differences, 2021, 12, 29.	4.1	18
3	Common pathways and functional profiles reveal underlying patterns in Breast, Kidney and Lung cancers. Biology Direct, 2021, 16, 9.	4.6	7
4	Mechanistic modeling of the SARS-CoV-2 disease map. BioData Mining, 2021, 14, 5.	4.0	11
5	Functional Signatures in Non-Small-Cell Lung Cancer: A Systematic Review and Meta-Analysis of Sex-Based Differences in Transcriptomic Studies. Cancers, 2021, 13, 143.	3.7	19
6	Mechanistic models of signaling pathways deconvolute the glioblastoma single-cell functional landscape. NAR Cancer, 2020, 2, zcaa011.	3.1	11
7	Unveiling Sex-Based Differences in the Effects of Alcohol Abuse: A Comprehensive Functional Meta-Analysis of Transcriptomic Studies. Genes, 2020, 11, 1106.	2.4	19
8	A comparison of mechanistic signaling pathway activity analysis methods. Briefings in Bioinformatics, 2019, 20, 1655-1668.	6.5	33
9	Community assessment to advance computational prediction of cancer drug combinations in a pharmacogenomic screen. Nature Communications, 2019, 10, 2674.	12.8	240
10	Differential metabolic activity and discovery of therapeutic targets using summarized metabolic pathway models. Npj Systems Biology and Applications, 2019, 5, 7.	3.0	30
11	Using mechanistic models for the clinical interpretation of complex genomic variation. Scientific Reports, 2019, 9, 18937.	3.3	20
12	The effects of death and post-mortem cold ischemia on human tissue transcriptomes. Nature Communications, 2018, 9, 490.	12.8	198
13	Models of cell signaling uncover molecular mechanisms of high-risk neuroblastoma and predict disease outcome. Biology Direct, 2018, 13, 16.	4.6	26
14	Gene Expression Integration into Pathway Modules Reveals a Pan-Cancer Metabolic Landscape. Cancer Research, 2018, 78, 6059-6072.	0.9	40
15	A Henneberg-based algorithm for generating tree-decomposable minimally rigid graphs. Journal of Symbolic Computation, 2017, 79, 232-248.	0.8	2
16	Reference genome assessment from a population scale perspective: an accurate profile of variability and noise. Bioinformatics, 2017, 33, 3511-3517.	4.1	0
17	High throughput estimation of functional cell activities reveals disease mechanisms and predicts relevant clinical outcomes. Oncotarget, 2017, 8, 5160-5178.	1.8	66
18	Actionable pathways: interactive discovery of therapeutic targets using signaling pathway models. Nucleic Acids Research, 2016, 44, W212-W216.	14.5	27

#	ARTICLE	IF	CITATIONS
19	Babelomics 5.0: functional interpretation for new generations of genomic data. Nucleic Acids Research, 2015, 43, W117-W121.	14.5	114
20	h-graphs: A new representation for tree decompositions of graphs. CAD Computer Aided Design, 2015, 67-68, 38-47.	2.7	2
21	The Reachability Problem in Constructive Geometric Constraint Solving Based Dynamic Geometry. Journal of Automated Reasoning, 2014, 52, 99-122.	1.4	6
22	Data structures and algorithms for topological analysis. , 2014, , .		0
23	Computing parameter ranges in constructive geometric constraint solving: Implementation and correctness proof. CAD Computer Aided Design, 2012, 44, 709-720.	2.7	10