# Marta R Hidalgo

List of Publications by Year
in descending order

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|---|---|---|---|
| 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 | Community assessment to advance computational prediction of cancer drug combinations in a pharmacogenomic screen. Nature Communications, 2019, 10, 2674. | 12.8 | 240 |
| 2 | The effects of death and post-mortem cold ischemia on human tissue transcriptomes. Nature Communications, 2018, 9, 490. | 12.8 | 198 |
| 3 | Babelomics 5.0: functional interpretation for new generations of genomic data. Nucleic Acids Research, 2015, 43, W117-W121. | 14.5 | 114 |
| 4 | High throughput estimation of functional cell activities reveals disease mechanisms and predicts relevant clinical outcomes. Oncotarget, 2017, 8, 5160-5178. | 1.8 | 66 |
| 5 | Gene Expression Integration into Pathway Modules Reveals a Pan-Cancer Metabolic Landscape. Cancer Research, 2018, 78, 6059-6072. | 0.9 | 40 |
| 6 | A comparison of mechanistic signaling pathway activity analysis methods. Briefings in Bioinformatics, 2019, 20, 1655-1668. | 6.5 | 33 |
| 7 | Differential metabolic activity and discovery of therapeutic targets using summarized metabolic pathway models. Npj Systems Biology and Applications, 2019, 5, 7. | 3.0 | 30 |
| 8 | Actionable pathways: interactive discovery of therapeutic targets using signaling pathway models. Nucleic Acids Research, 2016, 44, W212-W216. | 14.5 | 27 |
| 9 | Models of cell signaling uncover molecular mechanisms of high-risk neuroblastoma and predict disease outcome. Biology Direct, 2018, 13, 16. | 4.6 | 26 |
| 10 | Using mechanistic models for the clinical interpretation of complex genomic variation. Scientific Reports, 2019, 9, 18937. | 3.3 | 20 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Mechanistic models of signaling pathways deconvolute the glioblastoma single-cell functional landscape. NAR Cancer, 2020, 2, zcaa011. | 3.1 | 11 |
| 15 | Mechanistic modeling of the SARS-CoV-2 disease map. BioData Mining, 2021, 14, 5. | 4.0 | 11 |
| 16 | Computing parameter ranges in constructive geometric constraint solving: Implementation and correctness proof. CAD Computer Aided Design, 2012, 44, 709-720. | 2.7 | 10 |
| 17 | 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 |
| 18 | Common pathways and functional profiles reveal underlying patterns in Breast, Kidney and Lung cancers. Biology Direct, 2021, 16, 9. | 4.6 | 7 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | The Reachability Problem in Constructive Geometric Constraint Solving Based Dynamic Geometry. Journal of Automated Reasoning, 2014, 52, 99-122. | 1.4 | 6 |
| 20 | h-graphs: A new representation for tree decompositions of graphs. CAD Computer Aided Design, 2015, 67-68, 38-47. | 2.7 | 2 |
| 21 | A Henneberg-based algorithm for generating tree-decomposable minimally rigid graphs. Journal of Symbolic Computation, 2017, 79, 232-248. | 0.8 | 2 |
| 22 | Data structures and algorithms for topological analysis. , 2014, , . | | 0 |
| 23 | Reference genome assessment from a population scale perspective: an accurate profile of variability and noise. Bioinformatics, 2017, 33, 3511-3517. | 4.1 | 0 |