Miquel Duran-Frigola

List of Publications by Year
in descending order

38 papers	**2,315** citations	430874 **18** h-index	345221 **36** g-index
49 all docs	**49** docs citations	**49** times ranked	**4589** citing authors

#	ARTICLE	IF	CITATIONS
1	Connecting chemistry and biology through molecular descriptors. Current Opinion in Chemical Biology, 2022, 66, 102090.	6.1	24
2	A community challenge for a pancancer drug mechanism of action inference from perturbational profile data. Cell Reports Medicine, 2022, 3, 100492.	6.5	33
3	Evaluation of kidney function among people living with HIV initiating antiretroviral therapy in Zambia. PLOS Global Public Health, 2022, 2, e0000124.	1.6	1
4	Cervical cancer screening outcomes in Zambia, 2010–19: a cohort study. The Lancet Global Health, 2021, 9, e832-e840.	6.3	15
5	Bioactivity descriptors for uncharacterized chemical compounds. Nature Communications, 2021, 12, 3932.	12.8	44
6	Computational Applications in Secondary Metabolite Discovery (CAiSMD): an online workshop. Journal of Cheminformatics, 2021, 13, 64.	6.1	3
7	Identification and drug-induced reversion of molecular signatures of Alzheimer's disease onset and progression in AppNL-G-F, AppNL-F, and 3xTg-AD mouse models. Genome Medicine, 2021, 13, 168.	8.2	7
8	Bioactivity Profile Similarities to Expand the Repertoire of COVID-19 Drugs. Journal of Chemical Information and Modeling, 2020, 60, 5730-5734.	5.4	3
9	Personalized cancer therapy prioritization based on driver alteration co-occurrence patterns. Genome Medicine, 2020, 12, 78.	8.2	10
10	Extending the small-molecule similarity principle to all levels of biology with the Chemical Checker. Nature Biotechnology, 2020, 38, 1087-1096.	17.5	78
11	Antigen-stimulated PBMC transcriptional protective signatures for malaria immunization. Science Translational Medicine, 2020, 12, .	12.4	33
12	Patient-reported reasons for declining same-day antiretroviral therapy initiation in routine HIV care settings in Lusaka, Zambia: results from a mixed-effects regression analysis. Journal of the International AIDS Society, 2020, 23, e25560.	3.0	11
13	A reference map of the human binary protein interactome. Nature, 2020, 580, 402-408.	27.8	724
14	Encircling the regions of the pharmacogenomic landscape that determine drug response. Genome Medicine, 2019, 11, 17.	8.2	14
15	Cover Image, Volume 9, Issue 6. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2019, 9, e1451.	14.6	0
16	Formatting biological big data for modern machine learning in drug discovery. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2019, 9, e1408.	14.6	17
17	Rationalizing Drug Response in Cancer Cell Lines. Journal of Molecular Biology, 2018, 430, 3016-3027.	4.2	9
18	Systems analysis of intracellular pH vulnerabilities for cancer therapy. Nature Communications, 2018, 9, 2997.	12.8	277

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19	Exploring the OncoGenomic Landscape of cancer. Genome Medicine, 2018, 10, 61.	8.2	7
20	Drug repositioning beyond the low-hanging fruits. Current Opinion in Systems Biology, 2017, 3, 95-102.	2.6	11
21	A PanorOmic view of personal cancer genomes. Nucleic Acids Research, 2017, 45, W195-W200.	14.5	6
22	Detecting similar binding pockets to enable systems polypharmacology. PLoS Computational Biology, 2017, 13, e1005522.	3.2	35
23	Residues Coevolution Guides the Systematic Identification of Alternative Functional Conformations in Proteins. Structure, 2016, 24, 116-126.	3.3	56
24	Widespread Expansion of Protein Interaction Capabilities by Alternative Splicing. Cell, 2016, 164, 805-817.	28.9	479
25	Systems-Wide Prediction of Enzyme Promiscuity Reveals a New Underground Alternative Route for Pyridoxal 5′-Phosphate Production in E. coli. PLoS Computational Biology, 2016, 12, e1004705.	3.2	20
26	Isolation of Human Colon Stem Cells Using Surface Expression of PTK7. Stem Cell Reports, 2015, 5, 979-987.	4.8	52
27	Systematic Identification of Molecular Links between Core and Candidate Genes in Breast Cancer. Journal of Molecular Biology, 2015, 427, 1436-1450.	4.2	24
28	Drug sensitivity in cancer cell lines is not tissue-specific. Molecular Cancer, 2015, 14, 40.	19.2	39
29	IntSide: a web server for the chemical and biological examination of drug side effects. Bioinformatics, 2015, 31, 612-613.	4.1	28
30	A chemo-centric view of human health and disease. Nature Communications, 2014, 5, 5676.	12.8	23
31	Charting the molecular links between driver and susceptibility genes in colorectal cancer. Biochemical and Biophysical Research Communications, 2014, 445, 734-738.	2.1	6
32	Modifications of Microvascular EC Surface Modulate Phototoxicity of a Porphycene anti-ICAM-1 Immunoconjugate; Therapeutic Implications. Langmuir, 2013, 29, 9734-9743.	3.5	15
33	Analysis of Chemical and Biological Features Yields Mechanistic Insights into Drug Side Effects. Chemistry and Biology, 2013, 20, 594-603.	6.0	50
34	Structural Systems Pharmacology: The Role of 3D Structures in Next-Generation Drug Development. Chemistry and Biology, 2013, 20, 674-684.	6.0	42
35	Recycling side-effects into clinical markers for drug repositioning. Genome Medicine, 2012, 4, 3.	8.2	39
36	Dual fluorescence in 9-amino-2,7,12,17-tetraphenylporphycene. Physical Chemistry Chemical Physics, 2011, 13, 10326.	2.8	26

#	ARTICLE	IF	CITATIONS
37	A Community Challenge for Pancancer Drug Mechanism of Action Inference from Perturbational Profile Data. SSRN Electronic Journal, 0, , .	0.4	0
38	Extending the Small Molecule Similarity Principle to All Levels of Biology. SSRN Electronic Journal, 0, , .	0.4	0