

Andr Mateus

List of Publications by Citations

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Version: 2024-04-19

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

1,544
citations

18
h-index

39
g-index

47
ext. papers

2,364
ext. citations

20.1
avg, IF

4.71
L-index

#	Paper	IF	Citations
42	A new antibiotic selectively kills Gram-negative pathogens. <i>Nature</i> , 2019 , 576, 459-464	50.4	202
41	Species-specific activity of antibacterial drug combinations. <i>Nature</i> , 2018 , 559, 259-263	50.4	137
40	Pervasive Protein Thermal Stability Variation during the Cell Cycle. <i>Cell</i> , 2018 , 173, 1495-1507.e18	56.2	109
39	Rapid measurement of intracellular unbound drug concentrations. <i>Molecular Pharmaceutics</i> , 2013 , 10, 2467-78	5.6	108
38	The functional landscape of the human phosphoproteome. <i>Nature Biotechnology</i> , 2020 , 38, 365-373	44.5	106
37	CETSA screening identifies known and novel thymidylate synthase inhibitors and slow intracellular activation of 5-fluorouracil. <i>Nature Communications</i> , 2016 , 7, 11040	17.4	96
36	A Dual-Mechanism Antibiotic Kills Gram-Negative Bacteria and Avoids Drug Resistance. <i>Cell</i> , 2020 , 181, 1518-1532.e14	56.2	88
35	Thermal proteome profiling in bacteria: probing protein state. <i>Molecular Systems Biology</i> , 2018 , 14, e8242.2	22.2	82
34	Thermal proteome profiling: unbiased assessment of protein state through heat-induced stability changes. <i>Proteome Science</i> , 2016 , 15, 13	2.6	62
33	Prediction of intracellular exposure bridges the gap between target- and cell-based drug discovery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E6231-E6239	11.5	60
32	Thermal proteome profiling for interrogating protein interactions. <i>Molecular Systems Biology</i> , 2020 , 16, e9232	12.2	53
31	Intracellular drug bioavailability: a new predictor of system dependent drug disposition. <i>Scientific Reports</i> , 2017 , 7, 43047	4.9	49
30	Direct Measurement of Intracellular Compound Concentration by RapidFire Mass Spectrometry Offers Insights into Cell Permeability. <i>Journal of Biomolecular Screening</i> , 2016 , 21, 156-64		43
29	Mechanistic Modeling of Pitavastatin Disposition in Sandwich-Cultured Human Hepatocytes: A Proteomics-Informed Bottom-Up Approach. <i>Drug Metabolism and Disposition</i> , 2016 , 44, 505-16	4	37
28	Outer membrane lipoprotein Nlpl scaffolds peptidoglycan hydrolases within multi-enzyme complexes in <i>Escherichia coli</i> . <i>EMBO Journal</i> , 2020 , 39, e102246	13	36
27	Assessment of pharmacokinetic changes of meropenem during therapy in septic critically ill patients. <i>BMC Pharmacology & Toxicology</i> , 2014 , 15, 21	2.6	30
26	Bioaccumulation of therapeutic drugs by human gut bacteria. <i>Nature</i> , 2021 , 597, 533-538	50.4	29

25	A high-throughput cell-based method to predict the unbound drug fraction in the brain. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 3005-10	8.3	24
24	Spatiotemporal proteomics uncovers cathepsin-dependent macrophage cell death during Salmonella infection. <i>Nature Microbiology</i> , 2020 , 5, 1119-1133	26.6	17
23	Intracellular Drug Bioavailability: Effect of Neutral Lipids and Phospholipids. <i>Molecular Pharmaceutics</i> , 2018 , 15, 2224-2233	5.6	17
22	Bacterial retrons encode tripartite toxin/antitoxin systems		15
21	Phage proteins block and trigger retron toxin/antitoxin systems		15
20	Impact of phosphorylation on thermal stability of proteins. <i>Nature Methods</i> , 2021 , 18, 757-759	21.6	15
19	Piperazin-1-ylpyridazine Derivatives Are a Novel Class of Human dCTP Pyrophosphatase 1 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 4279-4292	8.3	14
18	The functional proteome landscape of Escherichia coli. <i>Nature</i> , 2020 , 588, 473-478	50.4	14
17	Identification of Triazolothiadiazoles as Potent Inhibitors of the dCTP Pyrophosphatase 1. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 2148-2154	8.3	12
16	Exploiting loss of heterozygosity for allele-selective colorectal cancer chemotherapy. <i>Nature Communications</i> , 2020 , 11, 1308	17.4	11
15	Improved predictions of time-dependent drug-drug interactions by determination of cytosolic drug concentrations. <i>Scientific Reports</i> , 2019 , 9, 5850	4.9	10
14	A computational method for detection of ligand-binding proteins from dose range thermal proteome profiles. <i>Nature Communications</i> , 2020 , 11, 5783	17.4	8
13	Impact of phosphorylation on thermal stability of proteins		7
12	Towards a systematic map of the functional role of protein phosphorylation		6
11	The outer membrane lipoprotein NlpI nucleates hydrolases within peptidoglycan multi-enzyme complexes in Escherichia coli		5
10	SARS-CoV-2 infection remodels the host protein thermal stability landscape. <i>Molecular Systems Biology</i> , 2021 , 17, e10188	12.2	5
9	Isocotoin suppresses hepatitis E virus replication through inhibition of heat shock protein 90. <i>Antiviral Research</i> , 2021 , 185, 104997	10.8	4
8	High-throughput functional characterization of protein phosphorylation sites in yeast. <i>Nature Biotechnology</i> , 2021 ,	44.5	3

7	Rtpca: an R package for differential thermal proximity coaggregation analysis. <i>Bioinformatics</i> , 2021 , 37, 431-433	7.2	3
6	Drug Target Identification in Tissues by Thermal Proteome Profiling. <i>Annual Review of Pharmacology and Toxicology</i> , 2021 ,	17.9	2
5	A dual-mechanism antibiotic targets Gram-negative bacteria and avoids drug resistance		1
4	Computational analysis of ligand dose range thermal proteome profiles		1
3	The rise of proteome-wide biophysics. <i>Molecular Systems Biology</i> , 2021 , 17, e10442	12.2	1
2	Transcriptional and Post-Transcriptional Polar Effects in Bacterial Gene Deletion Libraries. <i>MSystems</i> , 2021 , 6, e0081321	7.6	1
1	Hepatocyte size fractionation allows dissection of human liver zonation. <i>Journal of Cellular Physiology</i> , 2021 , 236, 5885-5894	7	0