

Daniel Martinez Molina

List of Publications by Citations

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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.

21
papers

2,736
citations

13
h-index

25
g-index

25
ext. papers

3,391
ext. citations

11.3
avg, IF

4.87
L-index

#	Paper	IF	Citations
21	Monitoring drug target engagement in cells and tissues using the cellular thermal shift assay. <i>Science</i> , 2013 , 341, 84-7	33.3	982
20	The cellular thermal shift assay for evaluating drug target interactions in cells. <i>Nature Protocols</i> , 2014 , 9, 2100-22	18.8	559
19	Tracking cancer drugs in living cells by thermal profiling of the proteome. <i>Science</i> , 2014 , 346, 1255784	33.3	526
18	The Cellular Thermal Shift Assay: A Novel Biophysical Assay for In Situ Drug Target Engagement and Mechanistic Biomarker Studies. <i>Annual Review of Pharmacology and Toxicology</i> , 2016 , 56, 141-61	17.9	156
17	Structural basis for synthesis of inflammatory mediators by human leukotriene C4 synthase. <i>Nature</i> , 2007 , 448, 613-6	50.4	151
16	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
15	Cellularly active N-hydroxyurea FEN1 inhibitors block substrate entry to the active site. <i>Nature Chemical Biology</i> , 2016 , 12, 815-21	11.7	41
14	Catalysis within the lipid bilayer-structure and mechanism of the MAPEG family of integral membrane proteins. <i>Current Opinion in Structural Biology</i> , 2008 , 18, 442-9	8.1	37
13	Engineering membrane protein overproduction in Escherichia coli. <i>Protein Science</i> , 2008 , 17, 673-80	6.3	33
12	Arginine 104 is a key catalytic residue in leukotriene C4 synthase. <i>Journal of Biological Chemistry</i> , 2010 , 285, 40771-6	5.4	29
11	Determining direct binders of the Androgen Receptor using a high-throughput Cellular Thermal Shift Assay. <i>Scientific Reports</i> , 2018 , 8, 163	4.9	28
10	Positioning High-Throughput CETSA in Early Drug Discovery through Screening against B-Raf and PARP1. <i>SLAS Discovery</i> , 2019 , 24, 121-132	3.4	22
9	Deciphering the Allosteric Binding Mechanism of the Human Tropomyosin Receptor Kinase A (hTrkA) Inhibitors. <i>ACS Chemical Biology</i> , 2019 , 14, 1205-1216	4.9	11
8	High-level expression, purification, and crystallization of recombinant rat leukotriene C(4) synthase from the yeast <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2008 , 60, 1-6	2	9
7	A Tale of Two Tails: Efficient Profiling of Protein Degraders by Specific Functional and Target Engagement Readouts. <i>SLAS Discovery</i> , 2021 , 26, 534-546	3.4	7
6	CETSA MS Profiling for a Comparative Assessment of FDA-Approved Antivirals Repurposed for COVID-19 Therapy Identifies TRIP13 as a Remdesivir Off-Target. <i>SLAS Discovery</i> , 2021 , 26, 336-344	3.4	6
5	Expression and purification of the recombinant membrane protein YidC: a case study for increased stability and solubility. <i>Protein Expression and Purification</i> , 2008 , 62, 49-52	2	4

4	Proteome-wide cellular thermal shift assay reveals unexpected cross-talk between brassinosteroid and auxin signaling.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2118220119	11.5	3
3	In-depth characterization of Staurosporine induced proteome thermal stability changes		2
2	CETSA-MS profiling for a comparative assessment of FDA approved antivirals repurposed for COVID-19 therapy identifies Trip13 as a Remdesivir off-target		1
1	Label-Free Techniques for Target Discovery and Validation. <i>Methods and Principles in Medicinal Chemistry</i> , 2019 , 131-152	0.4	