Daniel Martinez Molina

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11490888/publications.pdf

Version: 2024-02-01

20 papers	4,038 citations	623574 14 h-index	752573 20 g-index
25 all docs	25 docs citations	25 times ranked	6088 citing authors

#	Article	IF	Citations
1	Monitoring Drug Target Engagement in Cells and Tissues Using the Cellular Thermal Shift Assay. Science, 2013, 341, 84-87.	6.0	1,444
2	The cellular thermal shift assay for evaluating drug target interactions in cells. Nature Protocols, 2014, 9, 2100-2122.	5.5	900
3	Tracking cancer drugs in living cells by thermal profiling of the proteome. Science, 2014, 346, 1255784.	6.0	812
4	The Cellular Thermal Shift Assay: A Novel Biophysical Assay for In Situ Drug Target Engagement and Mechanistic Biomarker Studies. Annual Review of Pharmacology and Toxicology, 2016, 56, 141-161.	4.2	213
5	Structural basis for synthesis of inflammatory mediators by human leukotriene C4 synthase. Nature, 2007, 448, 613-616.	13.7	166
6	CETSA screening identifies known and novel thymidylate synthase inhibitors and slow intracellular activation of 5-fluorouracil. Nature Communications, 2016, 7, 11040.	5.8	126
7	Cellularly active N-hydroxyurea FEN1 inhibitors block substrate entry to the active site. Nature Chemical Biology, 2016, 12, 815-821.	3.9	57
8	Determining direct binders of the Androgen Receptor using a high-throughput Cellular Thermal Shift Assay. Scientific Reports, 2018, 8, 163.	1.6	50
9	Catalysis within the lipid bilayerâ€”structure and mechanism of the MAPEG family of integral membrane proteins. Current Opinion in Structural Biology, 2008, 18, 442-449.	2.6	41
10	CETSA: a target engagement assay with potential to transform drug discovery. Future Medicinal Chemistry, 2015, 7, 975-978.	1.1	40
11	Engineering membrane protein overproduction in Escherichia coli. Protein Science, 2008, 17, 673-680.	3.1	34
12	Positioning High-Throughput CETSA in Early Drug Discovery through Screening against B-Raf and PARP1. SLAS Discovery, 2019, 24, 121-132.	1.4	34
13	Arginine 104 Is a Key Catalytic Residue in Leukotriene C4 Synthase. Journal of Biological Chemistry, 2010, 285, 40771-40776.	1.6	30
14	A Tale of Two Tails: Efficient Profiling of Protein Degraders by Specific Functional and Target Engagement Readouts. SLAS Discovery, 2021, 26, 534-546.	1.4	21
15	Deciphering the Allosteric Binding Mechanism of the Human Tropomyosin Receptor Kinase A (hTrkA) Inhibitors. ACS Chemical Biology, 2019, 14, 1205-1216.	1.6	16
16	Proteome-wide cellular thermal shift assay revealsÂunexpected cross-talk between brassinosteroid and auxin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2118220119.	3.3	15
17	CETSA MS Profiling for a Comparative Assessment of FDA-Approved Antivirals Repurposed for COVID-19 Therapy Identifies TRIP13 as a Remdesivir Off-Target. SLAS Discovery, 2021, 26, 336-344.	1.4	12
18	High-level expression, purification, and crystallization of recombinant rat leukotriene C4 synthase from the yeast Pichia pastoris. Protein Expression and Purification, 2008, 60, 1-6.	0.6	10

#	Article	IF	Citations
19	Mechanistic Insights into a CDK9 Inhibitor Via Orthogonal Proteomics Methods. ACS Chemical Biology, 2022, 17, 54-67.	1.6	6
20	Expression and purification of the recombinant membrane protein YidC: A case study for increased stability and solubility. Protein Expression and Purification, 2008, 62, 49-52.	0.6	4