

Pr Nordlund

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.

40
papers

5,272
citations

21
h-index

45
g-index

45
ext. papers

6,402
ext. citations

13.9
avg, IF

5.67
L-index

#	Paper	IF	Citations
40	Monitoring drug target engagement in cells and tissues using the cellular thermal shift assay. <i>Science</i> , 2013 , 341, 84-7	32.2	951
39	Ribonucleotide reductases. <i>Annual Review of Biochemistry</i> , 2006 , 75, 681-706	27.9	820
38	Thermofluor-based high-throughput stability optimization of proteins for structural studies. <i>Analytical Biochemistry</i> , 2006 , 357, 289-98	3	661
37	The cellular thermal shift assay for evaluating drug target interactions in cells. <i>Nature Protocols</i> , 2014 , 9, 2100-22	18.1	540
36	Tracking cancer drugs in living cells by thermal profiling of the proteome. <i>Science</i> , 2014 , 346, 1255784	32.2	511
35	Chemical screening methods to identify ligands that promote protein stability, protein crystallization, and structure determination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 15835-40	11.1	470
34	Understanding transport by the major facilitator superfamily (MFS): structures pave the way. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 123-32	46.7	207
33	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	17.4	154
32	A saposin-lipoprotein nanoparticle system for membrane proteins. <i>Nature Methods</i> , 2016 , 13, 345-51	21	149
31	CETSA screening identifies known and novel thymidylate synthase inhibitors and slow intracellular activation of 5-fluorouracil. <i>Nature Communications</i> , 2016 , 7, 11040	16.9	95
30	Thermal proximity coaggregation for system-wide profiling of protein complex dynamics in cells. <i>Science</i> , 2018 , 359, 1170-1177	32.2	90
29	Modulation of Protein-Interaction States through the Cell Cycle. <i>Cell</i> , 2018 , 173, 1481-1494.e13	54.5	75
28	Identifying purine nucleoside phosphorylase as the target of quinine using cellular thermal shift assay. <i>Science Translational Medicine</i> , 2019 , 11,	16.9	74
27	Engineering protein thermostability using a generic activity-independent biophysical screen inside the cell. <i>Nature Communications</i> , 2013 , 4, 2901	16.9	60
26	Selectivity mechanism of a bacterial homolog of the human drug-peptide transporters PepT1 and PepT2. <i>Nature Structural and Molecular Biology</i> , 2014 , 21, 728-31	17.2	59
25	Dual blockade of the lipid kinase PIP4Ks and mitotic pathways leads to cancer-selective lethality. <i>Nature Communications</i> , 2017 , 8, 2200	16.9	44
24	Horizontal Cell Biology: Monitoring Global Changes of Protein Interaction States with the Proteome-Wide Cellular Thermal Shift Assay (CETSA). <i>Annual Review of Biochemistry</i> , 2019 , 88, 383-408	27.9	41

23	Structural basis for phosphoinositide substrate recognition, catalysis, and membrane interactions in human inositol polyphosphate 5-phosphatases. <i>Structure</i> , 2014 , 22, 744-55	5	35
22	Monitoring structural modulation of redox-sensitive proteins in cells with MS-CETSA. <i>Redox Biology</i> , 2019 , 24, 101168	10.9	22
21	An efficient proteome-wide strategy for discovery and characterization of cellular nucleotide-protein interactions. <i>PLoS ONE</i> , 2018 , 13, e0208273	3.6	21
20	Cellular thermal shift assay for the identification of drug-target interactions in the Plasmodium falciparum proteome. <i>Nature Protocols</i> , 2020 , 15, 1881-1921	18.1	21
19	VP22 core domain from Herpes simplex virus 1 reveals a surprising structural conservation in both the Alpha- and Gammaherpesvirinae subfamilies. <i>Journal of General Virology</i> , 2015 , 96, 1436-1445	4.7	19
18	New ideas for non-animal approaches to predict repeated-dose systemic toxicity: Report from an EPAA Blue Sky Workshop. <i>Regulatory Toxicology and Pharmacology</i> , 2020 , 114, 104668	3.3	18
17	Molecular insights into substrate recognition and catalytic mechanism of the chaperone and FKBP peptidyl-prolyl isomerase SlyD. <i>BMC Biology</i> , 2016 , 14, 82	7	17
16	Structural Basis for the Specificity of Human NUDT16 and Its Regulation by Inosine Monophosphate. <i>PLoS ONE</i> , 2015 , 10, e0131507	3.6	16
15	Structural and dynamic insights into substrate binding and catalysis of human lipocalin prostaglandin D synthase. <i>Journal of Lipid Research</i> , 2013 , 54, 1630-1643	6	15
14	CETSA in integrated proteomics studies of cellular processes. <i>Current Opinion in Chemical Biology</i> , 2020 , 54, 54-62	9.4	14
13	Structure of the C-Terminal Domain of the Multifunctional ICP27 Protein from Herpes Simplex Virus 1. <i>Journal of Virology</i> , 2015 , 89, 8828-39	6.3	13
12	Understanding specificity in metabolic pathways--structural biology of human nucleotide metabolism. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 396, 157-63	3.3	13
11	Structural and biochemical characterization of human PR70 in isolation and in complex with the scaffolding subunit of protein phosphatase 2A. <i>PLoS ONE</i> , 2014 , 9, e101846	3.6	11
10	Structure of the Varicella Zoster Virus Thymidylate Synthase Establishes Functional and Structural Similarities as the Human Enzyme and Potentiates Itself as a Target of Brivudine. <i>PLoS ONE</i> , 2015 , 10, e0143947	3.6	10
9	Interaction between human BAP31 and respiratory syncytial virus small hydrophobic (SH) protein. <i>Virology</i> , 2015 , 482, 105-10	3.5	10
8	Target identification and validation of natural products with label-free methodology: A critical review from 2005 to 2020. <i>Pharmacology & Therapeutics</i> , 2020 , 216, 107690	13.4	10
7	CETSA-based target engagement of taxanes as biomarkers for efficacy and resistance. <i>Scientific Reports</i> , 2019 , 9, 19384	4.7	9
6	The structure and catalytic mechanism of human sphingomyelin phosphodiesterase like 3a--an acid sphingomyelinase homologue with a novel nucleotide hydrolase activity. <i>FEBS Journal</i> , 2016 , 283, 1107-234	5.4	8

5	Quantitation of ERK1/2 inhibitor cellular target occupancies with a reversible slow off-rate probe. <i>Chemical Science</i> , 2018 , 9, 8608-8618	9.1	4
4	Structure of the Open Reading Frame 49 Protein Encoded by Kaposi's Sarcoma-Associated Herpesvirus. <i>Journal of Virology</i> , 2017 , 91,	6.3	3
3	Mutant p53-reactivating compound APR-246 synergizes with asparaginase in inducing growth suppression in acute lymphoblastic leukemia cells. <i>Cell Death and Disease</i> , 2021 , 12, 709	9.5	1
2	Recent advances in proteome-wide label-free target deconvolution for bioactive small molecules. <i>Medicinal Research Reviews</i> , 2021 , 41, 2893-2926	13.8	1
1	New prepacked 96-well filter plates, His MultiTrap FF and His MultiTrap HP for reproducible purification screening of histidine-tagged proteins. <i>FASEB Journal</i> , 2006 , 20, A103	0.9	