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An efficient proteome-wide strategy for discovery and characterization of cellular nucleotide-protein interactions

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#	Paper	IF	Citations
32	Monitoring structural modulation of redox-sensitive proteins in cells with MS-CETSA. <i>Redox Biology</i> , 2019 , 24, 101168	11.3	23
31	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	29.1	39
30	Perspective on CETSA Literature: Toward More Quantitative Data Interpretation. <i>SLAS Discovery</i> , 2020 , 25, 118-126	3.4	16
29	CETSA in integrated proteomics studies of cellular processes. <i>Current Opinion in Chemical Biology</i> , 2020 , 54, 54-62	9.7	16
28	A Novel Mechanism of Monoethylhexyl Phthalate in Lipid Accumulation via Inhibiting Fatty Acid Beta-Oxidation on Hepatic Cells. <i>Environmental Science & Technology</i> , 2020 , 54, 15925-15934	10.3	5
27	Paroxetine binding and activation of phosphofructokinase implicates energy metabolism in antidepressant mode of action. <i>Journal of Psychiatric Research</i> , 2020 , 129, 8-14	5.2	5
26	Interaction profiling methods to map protein and pathway targets of bioactive ligands. <i>Current Opinion in Chemical Biology</i> , 2020 , 54, 76-84	9.7	2
25	The discovery and maturation of peptide biologics targeting the small G-protein Cdc42: A bioblockade for Ras-driven signaling. <i>Journal of Biological Chemistry</i> , 2020 , 295, 2866-2884	5.4	10
24	Thermal proteome profiling for interrogating protein interactions. <i>Molecular Systems Biology</i> , 2020 , 16, e9232	12.2	53
23	Cellular thermal shift assay for the identification of drug-target interactions in the Plasmodium falciparum proteome. <i>Nature Protocols</i> , 2020 , 15, 1881-1921	18.8	27
22	System Biology-Guided Chemical Proteomics to Discover Protein Targets of Monoethylhexyl Phthalate in Regulating Cell Cycle. <i>Environmental Science & Technology</i> , 2021 , 55, 1842-1851	10.3	6
21	Improved Proteomics-Based Drug Mechanism-of-Action Studies Using 16-Plex Isobaric Mass Tags. <i>Journal of Proteome Research</i> , 2021 , 20, 1792-1801	5.6	5
20	TP-MAP - an Integrated Software Package for the Analysis of 1D and 2D Thermal Profiling Data.		0
19	Recent advances in identifying protein targets in drug discovery. <i>Cell Chemical Biology</i> , 2021 , 28, 394-423	13.2	17
18	Chemoproteomics for Plasmodium Parasite Drug Target Discovery. <i>ChemBioChem</i> , 2021 , 22, 2591-2599	3.8	2
17	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	9.8	2
16	CETSA interaction proteomics define specific RNA-modification pathways as key components of fluorouracil-based cancer drug cytotoxicity. <i>Cell Chemical Biology</i> , 2021 ,	8.2	1

15	Sensitive Measurement of Drug-Target Engagement by a Cellular Thermal Shift Assay with Multiplex Proximity Extension Readout. <i>Analytical Chemistry</i> , 2021 , 93, 10999-11009	7.8	4
14	Three Essential Resources to Improve Differential Scanning Fluorimetry (DSF) Experiments.		6
13	Capsaicin acts through tNOX (ENOX2) to induce autophagic apoptosis in p53-mutated HSC-3 cells but autophagy in p53-functional SAS oral cancer cells. <i>American Journal of Cancer Research</i> , 2020 , 10, 3230-3247	4.4	2
12	Capsaicin exerts therapeutic effects by targeting tNOX-SIRT1 axis and augmenting ROS-dependent autophagy in melanoma cancer cells. <i>American Journal of Cancer Research</i> , 2021 , 11, 4199-4219	4.4	1
11	Thermal Proteome Profiling to Identify Protein-ligand Interactions in the Apicomplexan Parasite. <i>Bio-protocol</i> , 2021 , 11, e4207	0.9	0
10	A novel role of 3′5′-cAMP in the regulation of actin cytoskeleton in Arabidopsis.		
9	Lung Adenocarcinoma Transcriptomic Analysis Predicts Adenylate Kinase Signatures Contributing to Tumor Progression and Negative Patient Prognosis.. <i>Metabolites</i> , 2021 , 11,	5.6	1
8	A new strategy for the rapid identification and validation of direct toxicity targets of psoralen-induced hepatotoxicity. <i>Toxicology Letters</i> , 2022 , 363, 11-26	4.4	0
7	De novo mapping of the apicomplexan Ca ²⁺ -responsive proteome.		
6	18beta-Glycyrrhetic acid induces ROS-mediated apoptosis to ameliorate hepatic fibrosis by targeting PRDX1/2 in activated HSCs. <i>Journal of Pharmaceutical Analysis</i> , 2022 ,	14	0
5	Human peroxiredoxin 6 is essential for malaria parasites and provides a host-based drug target. <i>Cell Reports</i> , 2022 , 39, 110923	10.6	0
4	Temporal and thermal profiling of the Toxoplasma proteome implicates parasite Protein Phosphatase 1 in the regulation of Ca ²⁺ -responsive pathways. 11,		0
3	Metabolites as signalling molecules.		1
2	Don't let go of ion-fractionation mass spectrometry for untargeted mapping of protein-metabolite interactomes.		0
1	Identification and evaluation of small-molecule inhibitors against the dNTPase SAMHD1 via a comprehensive screening funnel.		0