Weili Miao

List of Publications by Year
in descending order

41	1,196	430754	434063
papers	citations	18 h-index	31 g-index

45	45	45	1759
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SARS-CoV-2 B.1.1.7 and B.1.351 spike variants bind human ACE2 with increased affinity. Lancet Infectious Diseases, The, 2021, 21, 1070.	4.6	188
2	RNA-binding proteins contribute to small RNA loading in plant extracellular vesicles. Nature Plants, 2021, 7, 342-352.	4.7	153
3	CPT1A/2-Mediated FAO Enhancementâ€"A Metabolic Target in Radioresistant Breast Cancer. Frontiers in Oncology, 2019, 9, 1201.	1.3	91
4	YY1 interacts with guanine quadruplexes to regulate DNA looping and gene expression. Nature Chemical Biology, 2021, 17, 161-168.	3.9	68
5	Adenylate Kinase 4 Modulates the Resistance of Breast Cancer Cells to Tamoxifen through an m6A-Based Epitranscriptomic Mechanism. Molecular Therapy, 2020, 28, 2593-2604.	3.7	52
6	Pyruvate kinase M2 regulates homologous recombination-mediated DNA double-strand break repair. Cell Research, 2018, 28, 1090-1102.	5.7	51
7	YTHDF2 Binds to 5-Methylcytosine in RNA and Modulates the Maturation of Ribosomal RNA. Analytical Chemistry, 2020, 92, 1346-1354.	3.2	50
8	Elevated Hexokinase II Expression Confers Acquired Resistance to 4-Hydroxytamoxifen in Breast Cancer Cells. Molecular and Cellular Proteomics, 2019, 18, 2273-2284.	2.5	35
9	Fast solid-phase extraction of N-linked glycopeptides by amine-functionalized mesoporous silica nanoparticles. Analyst, The, 2016, 141, 2435-2440.	1.7	34
10	A Targeted Proteomic Approach for Heat Shock Proteins Reveals DNAJB4 as a Suppressor for Melanoma Metastasis. Analytical Chemistry, 2018, 90, 6835-6842.	3.2	29
11	The proximal proteome of 17 SARS-CoV-2 proteins links to disrupted antiviral signaling and host translation. PLoS Pathogens, 2021, 17, e1009412.	2.1	27
12	easyCLIP analysis of RNA-protein interactions incorporating absolute quantification. Nature Communications, 2021, 12, 1569.	5.8	26
13	The surfaceome of multiple myeloma cells suggests potential immunotherapeutic strategies and protein markers of drug resistance. Nature Communications, 2022, 13, .	5.8	26
14	HSP90 inhibitors stimulate DNAJB4 protein expression through a mechanism involving N6-methyladenosine. Nature Communications, 2019, 10, 3613.	5.8	24
15	A High-Throughput Targeted Proteomic Approach for Comprehensive Profiling of Methylglyoxal-Induced Perturbations of the Human Kinome. Analytical Chemistry, 2016, 88, 9773-9779.	3.2	23
16	Dual regulation of Arabidopsis AGO2 by arginine methylation. Nature Communications, 2019, 10, 844.	5.8	23
17	Integrated Genomic and Proteomic Analyses Reveal Novel Mechanisms of the Methyltransferase SETD2 in Renal Cell Carcinoma Development. Molecular and Cellular Proteomics, 2019, 18, 437-447.	2.5	22
18	Parallel-Reaction-Monitoring-Based Proteome-Wide Profiling of Differential Kinase Protein Expression during Prostate Cancer Metastasis in Vitro. Analytical Chemistry, 2019, 91, 9893-9900.	3.2	19

#	Article	IF	Citations
19	Imatinib-Induced Changes in Protein Expression and ATP-Binding Affinities of Kinases in Chronic Myelocytic Leukemia Cells. Analytical Chemistry, 2019, 91, 3209-3214.	3.2	18
20	Discovery of 2-((3-Acrylamido-4-methylphenyl)amino)-N-(2-methyl-5-(3,4,5-trimethoxybenzamido)phenyl)-4-(methylamino)pyrimidine-5-carbox (CHMFL-BMX-078) as a Highly Potent and Selective Type II Irreversible Bone Marrow Kinase in the X Chromosome (BMX) Kinase Inhibitor. Journal of Medicinal Chemistry, 2017, 60, 1793-1816.	2.9	17
21	Structure-activity relationship investigation for benzonaphthyridinone derivatives as novel potent Bruton's tyrosine kinase (BTK) irreversible inhibitors. European Journal of Medicinal Chemistry, 2017, 137, 545-557.	2.6	16
22	Arsenite Binds to the Zinc Finger Motif of TIP60 Histone Acetyltransferase and Induces Its Degradation via the 26S Proteasome. Chemical Research in Toxicology, 2017, 30, 1685-1693.	1.7	16
23	Identification of Helicase Proteins as Clients for HSP90. Analytical Chemistry, 2018, 90, 11751-11755.	3.2	16
24	Targeted Quantitative Kinome Analysis Identifies PRPS2 as a Promoter for Colorectal Cancer Metastasis. Journal of Proteome Research, 2019, 18, 2279-2286.	1.8	16
25	Targeted Profiling of Heat Shock Proteome in Radioresistant Breast Cancer Cells. Chemical Research in Toxicology, 2019, 32, 326-332.	1.7	14
26	Quantitative Interrogation of the Human Kinome Perturbed by Two BRAF Inhibitors. Journal of Proteome Research, 2019, 18, 2624-2631.	1.8	12
27	Modulation of N-terminal methyltransferase 1 by an N6-methyladenosine-based epitranscriptomic mechanism. Biochemical and Biophysical Research Communications, 2021, 546, 54-58.	1.0	11
28	Targeted Profiling of Epitranscriptomic Reader, Writer, and Eraser Proteins Accompanied with Radioresistance in Breast Cancer Cells. Analytical Chemistry, 2022, 94, 1525-1530.	3.2	8
29	Discovery of TBC1D7 as a Potential Driver for Melanoma Cell Invasion. Proteomics, 2020, 20, e1900347.	1.3	7
30	Parallelâ€reaction monitoring revealed altered expression of a number of epitranscriptomic reader, writer, and eraser proteins accompanied with colorectal cancer metastasis. Proteomics, 2023, 23, e2200059.	1.3	7
31	SLIRP Interacts with Helicases to Facilitate 2â€²-O-Methylation of rRNA and to Promote Translation. Journal of the American Chemical Society, 2019, 141, 10958-10961.	6.6	6
32	High-Throughput Targeted Quantitative Analysis of the Interaction between HSP90 and Kinases. Analytical Chemistry, 2019, 91, 11507-11509.	3.2	6
33	Targeted Proteomic Analysis Revealed Kinome Reprogramming during Acquisition of Radioresistance in Breast Cancer Cells. Journal of Proteome Research, 2021, 20, 2830-2838.	1.8	6
34	Targeting chaperon protein HSP70 as a novel therapeutic strategy for FLT3-ITD-positive acute myeloid leukemia. Signal Transduction and Targeted Therapy, 2021, 6, 334.	7.1	6
35	A Targeted Quantitative Proteomic Method Revealed a Substantial Reprogramming of Kinome during Melanoma Metastasis. Scientific Reports, 2020, 10, 2485.	1.6	5
36	Precisely designed rattle-type mTiO₂@P(NIPAM-co-MBA) microspheres with screening gel network for highly selective extraction of phosphopeptidome. RSC Advances, 2014, 4, 42957-42964.	1.7	4

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37	Quantitative Proteomic Analysis Revealed Broad Roles of N⁶-Methyladenosine in Heat Shock Response. Journal of Proteome Research, 2021, 20, 3611-3620.	1.8	4
38	Proteome-Wide Characterizations of N⁶-Methyl-Adenosine Triphosphate- and N⁶-Furfuryl-Adenosine Triphosphate-Binding Capabilities of Kinases. Analytical Chemistry, 2021, 93, 13251-13259.	3.2	4
39	Targeted Proteomic Approaches for Proteome-Wide Characterizations of the AMP-Binding Capacities of Kinases. Journal of Proteome Research, 2022, 21, 2063-2070.	1.8	3
40	Mass spectrometry for human kinome analysis. , 2022, , 191-216.		1
41	Quantitative proteomics revealed new functions of ALKBH4. Proteomics, 2022, 22, e2100231.	1.3	0