

Weiguo Tao

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.

148
papers

7,202
citations

45
h-index

82
g-index

157
ext. papers

8,552
ext. citations

8.1
avg, IF

5.9
L-index

#	Paper	IF	Citations
148	Aptamer in bioanalytical applications. <i>Analytical Chemistry</i> , 2011 , 83, 4440-52	7.8	608
147	PTEN-deficient intestinal stem cells initiate intestinal polyposis. <i>Nature Genetics</i> , 2007 , 39, 189-98	36.3	357
146	Quantitative phosphoproteomics identifies SnRK2 protein kinase substrates and reveals the effectors of abscisic acid action. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 11205-10	11.5	288
145	Quantitative phosphoproteome analysis using a dendrimer conjugation chemistry and tandem mass spectrometry. <i>Nature Methods</i> , 2005 , 2, 591-8	21.6	279
144	Nitric oxide negatively regulates abscisic acid signaling in guard cells by S-nitrosylation of OST1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 613-8	11.5	256
143	Advances in quantitative proteomics via stable isotope tagging and mass spectrometry. <i>Current Opinion in Biotechnology</i> , 2003 , 14, 110-8	11.4	243
142	Reciprocal Regulation of the TOR Kinase and ABA Receptor Balances Plant Growth and Stress Response. <i>Molecular Cell</i> , 2018 , 69, 100-112.e6	17.6	224
141	Phosphoproteins in extracellular vesicles as candidate markers for breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3175-3180	11.5	201
140	MAP Kinase Cascades Regulate the Cold Response by Modulating ICE1 Protein Stability. <i>Developmental Cell</i> , 2017 , 43, 618-629.e5	10.2	195
139	Copper(II)-Assisted Enantiomeric Analysis of d,l-Amino Acids Using the Kinetic Method: Chiral Recognition and Quantification in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2000 , 122, 10598-10609	16.4	190
138	Mass spectrometric quantitation of chiral drugs by the kinetic method. <i>Analytical Chemistry</i> , 2001 , 73, 1692-8	7.8	145
137	BNIP3 Protein Suppresses PINK1 Kinase Proteolytic Cleavage to Promote Mitophagy. <i>Journal of Biological Chemistry</i> , 2016 , 291, 21616-21629	5.4	134
136	In-depth analyses of kinase-dependent tyrosine phosphoproteomes based on metal ion-functionalized soluble nanoparticles. <i>Molecular and Cellular Proteomics</i> , 2010 , 9, 2162-72	7.6	131
135	Kinetic Resolution of d,l-Amino Acids Based on Gas-Phase Dissociation of Copper(II) Complexes. <i>Analytical Chemistry</i> , 1999 , 71, 4427-9	7.8	126
134	Profiling constitutive proteolytic events in vivo. <i>Biochemical Journal</i> , 2007 , 407, 41-8	3.8	125
133	Proteomic analysis identifies that 14-3-3zeta interacts with beta-catenin and facilitates its activation by Akt. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 15370-5	11.5	119
132	Leucine-rich repeat extensin proteins regulate plant salt tolerance in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 13123-13128	11.5	113

131	Chiral analysis by MS. <i>Analytical Chemistry</i> , 2003 , 75, 25A-31A	7.8	109
130	Regulation of hemolysin expression and virulence of <i>Staphylococcus aureus</i> by a serine/threonine kinase and phosphatase. <i>PLoS ONE</i> , 2010 , 5, e11071	3.7	107
129	Sensitive kinase assay linked with phosphoproteomics for identifying direct kinase substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5615-20	11.5	98
128	Rapid ambient mass spectrometric profiling of intact, untreated bacteria using desorption electrospray ionization. <i>Chemical Communications</i> , 2007 , 61-3	5.8	87
127	Rapid direct lipid profiling of bacteria using desorption electrospray ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2011 , 301, 37-44	1.9	82
126	Quantitative chiral analysis of sugars by electrospray ionization tandem mass spectrometry using modified amino acids as chiral reference compounds. <i>Analytical Chemistry</i> , 2002 , 74, 3458-62	7.8	82
125	Arabidopsis Duodecuple Mutant of PYL ABA Receptors Reveals PYL Repression of ABA-Independent SnRK2 Activity. <i>Cell Reports</i> , 2018 , 23, 3340-3351.e5	10.6	81
124	Chiral resolution of d- and l-amino acids by tandem mass spectrometry of Ni(II)-bound trimeric complexes. <i>International Journal of Mass Spectrometry</i> , 2001 , 204, 159-169	1.9	78
123	The methyl-CpG-binding protein MBD7 facilitates active DNA demethylation to limit DNA hyper-methylation and transcriptional gene silencing. <i>Molecular Cell</i> , 2015 , 57, 971-983	17.6	77
122	Identification of the components of a glycolytic enzyme metabolon on the human red blood cell membrane. <i>Journal of Biological Chemistry</i> , 2013 , 288, 848-58	5.4	76
121	Identification of proteolytic cleavage sites by quantitative proteomics. <i>Journal of Proteome Research</i> , 2007 , 6, 2850-8	5.6	76
120	An integrated chemical, mass spectrometric and computational strategy for (quantitative) phosphoproteomics: application to <i>Drosophila melanogaster</i> Kc167 cells. <i>Molecular BioSystems</i> , 2007 , 3, 275-86		73
119	Polar acetalization and transacetalization in the gas phase: the Eberlin reaction. <i>Chemical Reviews</i> , 2006 , 106, 188-211	68.1	73
118	Parallel Reactions for Enantiomeric Quantification of Peptides by Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 757-760	16.4	73
117	Facile determination of double bond position in unsaturated fatty acids and esters by low temperature plasma ionization mass spectrometry. <i>Analytical Chemistry</i> , 2011 , 83, 4738-44	7.8	65
116	A RAF-SnRK2 kinase cascade mediates early osmotic stress signaling in higher plants. <i>Nature Communications</i> , 2020 , 11, 613	17.4	61
115	A pair of transposon-derived proteins function in a histone acetyltransferase complex for active DNA demethylation. <i>Cell Research</i> , 2017 , 27, 226-240	24.7	59
114	Differentiation and quantitation of isomeric dipeptides by low-energy dissociation of copper(II)-bound complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2001 , 12, 490-6	3.5	57

113	Rapid enantiomeric determination of β -hydroxy acids by electrospray ionization tandem mass spectrometry. <i>Chemical Communications</i> , 2000 , 2023-2024	5.8	57
112	The SnRK2 kinases modulate miRNA accumulation in Arabidopsis. <i>PLoS Genetics</i> , 2017 , 13, e1006753	6	56
111	Quantitative measurement of phosphoproteome response to osmotic stress in arabidopsis based on Library-Assisted eXtracted Ion Chromatogram (LAXIC). <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 2354-69	7.6	55
110	Quotient ratio method for quantitative enantiomeric determination by mass spectrometry. <i>Analytical Chemistry</i> , 2002 , 74, 3783-9	7.8	55
109	Kinetic method for the simultaneous chiral analysis of different amino acids in mixtures. <i>Journal of Mass Spectrometry</i> , 2003 , 38, 386-93	2.2	52
108	Mapping proteome-wide targets of protein kinases in plant stress responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3270-3280	11.5	49
107	Regulation of parkin and PINK1 by neddylation. <i>Human Molecular Genetics</i> , 2012 , 21, 2514-23	5.6	48
106	Rapid enantiomeric quantification of an antiviral nucleoside agent (D,L-FMAU, 2Sfluoro-5-methyl-beta,D,L-arabinofurano-syluracil) by mass spectrometry. <i>Journal of Medicinal Chemistry</i> , 2001 , 44, 3541-4	8.3	48
105	EZH2 Modifies Sunitinib Resistance in Renal Cell Carcinoma by Kinome Reprogramming. <i>Cancer Research</i> , 2017 , 77, 6651-6666	10.1	45
104	Identification of cytoskeletal elements enclosing the ATP pools that fuel human red blood cell membrane cation pumps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12794-9	11.5	45
103	Ligand and metal-ion effects in metal-ion clusters used for chiral analysis of alpha-hydroxy acids by the kinetic method. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 373, 618-27	4.4	45
102	An Arabidopsis Nucleoporin NUP85 modulates plant responses to ABA and salt stress. <i>PLoS Genetics</i> , 2017 , 13, e1007124	6	43
101	The E3 ubiquitin ligase CHIP mediates ubiquitination and proteasomal degradation of PRMT5. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 335-46	4.9	43
100	Playing tag with quantitative proteomics. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 393, 503-13	4.4	43
99	A novel quantitative proteomics strategy to study phosphorylation-dependent peptide-protein interactions. <i>Journal of Proteome Research</i> , 2007 , 6, 133-40	5.6	38
98	Arabidopsis AGDP1 links H3K9me2 to DNA methylation in heterochromatin. <i>Nature Communications</i> , 2018 , 9, 4547	17.4	38
97	Isolation and analysis of extracellular vesicles in a Morpho butterfly wing-integrated microvortex biochip. <i>Biosensors and Bioelectronics</i> , 2020 , 154, 112073	11.8	37
96	Analytical Pipeline for Discovery and Verification of Glycoproteins from Plasma-Derived Extracellular Vesicles as Breast Cancer Biomarkers. <i>Analytical Chemistry</i> , 2018 , 90, 6307-6313	7.8	35

95	Direct detection of fatty acid ethyl esters using low temperature plasma (LTP) ambient ionization mass spectrometry for rapid bacterial differentiation. <i>Analyst, The</i> , 2011 , 136, 3091-7	5	35
94	Identification of serine/threonine kinase substrates in the human pathogen group B streptococcus. <i>Journal of Proteome Research</i> , 2009 , 8, 2563-74	5.6	34
93	MET18 Connects the Cytosolic Iron-Sulfur Cluster Assembly Pathway to Active DNA Demethylation in Arabidopsis. <i>PLoS Genetics</i> , 2015 , 11, e1005559	6	33
92	Identification of extracellular signal-regulated kinase 1 (ERK1) direct substrates using stable isotope labeled kinase assay-linked phosphoproteomics. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 3199-210	7.6	32
91	Serine/threonine phosphatase Stp1 mediates post-transcriptional regulation of hemolysin, autolysis, and virulence of group B Streptococcus. <i>Journal of Biological Chemistry</i> , 2011 , 286, 44197-44210	5.4	32
90	Universal Plant Phosphoproteomics Workflow and Its Application to Tomato Signaling in Response to Cold Stress. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 2068-2080	7.6	30
89	A protein complex regulates RNA processing of intronic heterochromatin-containing genes in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E7377-E7384	11.5	30
88	Identification of direct tyrosine kinase substrates based on protein kinase assay-linked phosphoproteomics. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 2969-80	7.6	30
87	Arabinose biosynthesis is critical for salt stress tolerance in Arabidopsis. <i>New Phytologist</i> , 2019 , 224, 274-290	9.8	29
86	Cloning, expression, and hemostatic activities of a disintegrin, r-mojastin 1, from the mohave rattlesnake (<i>Crotalus scutulatus scutulatus</i>). <i>Thrombosis Research</i> , 2010 , 126, e211-9	8.2	29
85	Sequential phosphoproteomics and N-glycoproteomics of plasma-derived extracellular vesicles. <i>Nature Protocols</i> , 2020 , 15, 161-180	18.8	29
84	MST50 is involved in multiple MAP kinase signaling pathways in <i>Magnaporthe oryzae</i> . <i>Environmental Microbiology</i> , 2017 , 19, 1959-1974	5.2	28
83	Three-Dimensionally Functionalized Reverse Phase Glycoprotein Array for Cancer Biomarker Discovery and Validation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15311-15314	16.4	27
82	Phosphorylation assay based on multifunctionalized soluble nanopolymer. <i>Analytical Chemistry</i> , 2011 , 83, 2767-74	7.8	27
81	Analytical challenges translating mass spectrometry-based phosphoproteomics from discovery to clinical applications. <i>Electrophoresis</i> , 2014 , 35, 3430-40	3.6	26
80	Structure of the Arabidopsis JM14-H3K4me3 Complex Provides Insight into the Substrate Specificity of KDM5 Subfamily Histone Demethylases. <i>Plant Cell</i> , 2018 , 30, 167-177	11.6	26
79	Synthesis of B- and P-Heterocycles by Reaction of Cyclic Acetals and Ketals with Borinium and Phosphonium Ions. <i>Journal of Organic Chemistry</i> , 1999 , 64, 3213-3223	4.2	25
78	A phosphorylation-based switch controls TAA1-mediated auxin biosynthesis in plants. <i>Nature Communications</i> , 2020 , 11, 679	17.4	25

77	Phosphatase of regenerating liver 3 (PRL3) provokes a tyrosine phosphoproteome to drive prometastatic signal transduction. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 3759-77	7.6	23
76	Characterization of toxins from the broad-banded water snake <i>Helicops angulatus</i> (Linnaeus, 1758): isolation of a cysteine-rich secretory protein, Helicopsin. <i>Archives of Toxicology</i> , 2011 , 85, 305-13	5.8	23
75	Recent advances in phosphoproteomics and application to neurological diseases. <i>Analyst, The</i> , 2017 , 142, 4373-4387	5	22
74	Chemical visualization of phosphoproteomes on membrane. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 629-39	7.6	22
73	Regulation of Syk by phosphorylation on serine in the linker insert. <i>Journal of Biological Chemistry</i> , 2010 , 285, 39844-54	5.4	22
72	A novel quantitative proteomics reagent based on soluble nanoparticles. <i>Chemical Communications</i> , 2007 , 1251-3	5.8	20
71	Highly Efficient Phosphoproteome Capture and Analysis from Urinary Extracellular Vesicles. <i>Journal of Proteome Research</i> , 2018 , 17, 3308-3316	5.6	19
70	Characterization and Applications of Extracellular Vesicle Proteome with Post-Translational Modifications. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 107, 21-30	14.6	19
69	Proteomic studies of Syk-interacting proteins using a novel amine-specific isotope tag and GFP nanotrapp. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 319-28	3.5	19
68	Identification of drug targets in vitro and in living cells by soluble-nanopolymer-based proteomics. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4133-6	16.4	19
67	Chiral Preferences in the Dissociation of Homogeneous Amino Acid/Metal Ion Clusters. <i>European Journal of Mass Spectrometry</i> , 2002 , 8, 107-115	1.1	19
66	ArhGAP15, a Rac-specific GTPase-activating protein, plays a dual role in inhibiting small GTPase signaling. <i>Journal of Biological Chemistry</i> , 2013 , 288, 21117-21125	5.4	18
65	Multiplexed quantitation of protein expression and phosphorylation based on functionalized soluble nanoparticles. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18201-4	16.4	18
64	Long Noncoding RNA LINC00152 Facilitates the Leukemogenesis of Acute Myeloid Leukemia by Promoting CDK9 Through miR-193a. <i>DNA and Cell Biology</i> , 2019 , 38, 236-242	3.6	18
63	In-Depth Analyses of B Cell Signaling Through Tandem Mass Spectrometry of Phosphopeptides Enriched by PolyMAC. <i>International Journal of Mass Spectrometry</i> , 2015 , 377, 744-753	1.9	17
62	CDK8 is associated with RAP2.6 and SnRK2.6 and positively modulates abscisic acid signaling and drought response in Arabidopsis. <i>New Phytologist</i> , 2020 , 228, 1573-1590	9.8	17
61	Replacement of C-O by P-O in Cyclic Acetals and Ketals. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 386-389	16.4	17
60	Global phosphoproteomics of activated B cells using complementary metal ion functionalized soluble nanoparticles. <i>Analytical Chemistry</i> , 2014 , 86, 6363-71	7.8	16

59	Is phosphoproteomics ready for clinical research?. <i>Clinica Chimica Acta</i> , 2013 , 420, 23-7	6.2	16
58	An evolutionarily conserved iron-sulfur cluster underlies redox sensory function of the Chloroplast Sensor Kinase. <i>Communications Biology</i> , 2020 , 3, 13	6.7	16
57	Chemical proteomics tracks virus entry and uncovers NCAM1 as Zika virus receptor. <i>Nature Communications</i> , 2020 , 11, 3896	17.4	16
56	Time-Resolved Proteomic Visualization of Dendrimer Cellular Entry and Trafficking. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12772-12775	16.4	15
55	Ascl2 inhibits myogenesis by antagonizing the transcriptional activity of myogenic regulatory factors. <i>Development (Cambridge)</i> , 2017 , 144, 235-247	6.6	15
54	Plasma-Derived Extracellular Vesicle Phosphoproteomics through Chemical Affinity Purification. <i>Journal of Proteome Research</i> , 2020 , 19, 2563-2574	5.6	14
53	Acquisition of Cholangiocarcinoma Traits during Advanced Hepatocellular Carcinoma Development in Mice. <i>American Journal of Pathology</i> , 2018 , 188, 656-671	5.8	14
52	Synergistically Bifunctional Paramagnetic Separation Enables Efficient Isolation of Urine Extracellular Vesicles and Downstream Phosphoproteomic Analysis. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 3622-3630	9.5	13
51	Purification and characterization of a metalloproteinase, Porthidin-1, from the venom of Lansberg's hog-nosed pitvipers (<i>Porthidium lansbergii hutmanni</i>). <i>Toxicon</i> , 2011 , 57, 608-18	2.8	12
50	Syk inhibits the activity of protein kinase A by phosphorylating tyrosine 330 of the catalytic subunit. <i>Journal of Biological Chemistry</i> , 2013 , 288, 10870-81	5.4	11
49	Quantitative analysis of snake venoms using soluble polymer-based isotope labeling. <i>Molecular and Cellular Proteomics</i> , 2008 , 7, 785-99	7.6	11
48	Parallel Reactions for Enantiomeric Quantification of Peptides by Mass Spectrometry. <i>Angewandte Chemie</i> , 2001 , 113, 779-782	3.6	11
47	Epigenetic targeting of neuropilin-1 prevents bypass signaling in drug-resistant breast cancer. <i>Oncogene</i> , 2021 , 40, 322-333	9.2	11
46	The sensor histidine kinase RgfC affects group B streptococcal virulence factor expression independent of its response regulator RgfA. <i>Infection and Immunity</i> , 2015 , 83, 1078-88	3.7	10
45	Current technologies to identify protein kinase substrates in high throughput. <i>Frontiers in Biology</i> , 2013 , 8, 216-227		10
44	Tissue phosphoproteomics with PolyMAC identifies potential therapeutic targets in a transgenic mouse model of HER2 positive breast cancer. <i>Electrophoresis</i> , 2014 , 35, 3463-9	3.6	10
43	Gas-phase SN2 reactivity of dicoordinated borinium cations using pentaquadrupole mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2001 , 12, 948-55	3.5	10
42	Metal-assisted esterification: glutaric acid-iron(II) complexes in the gas phase. <i>Rapid Communications in Mass Spectrometry</i> , 2001 , 15, 484-8	2.2	10

41	Functionalized soluble nanopolymers for phosphoproteome analysis. <i>Methods in Molecular Biology</i> , 2011 , 790, 277-85	1.4	10
40	Liquid chromatographic studies of the effect of phosphate on the binding properties of silica-immobilized bovine serum albumin. <i>Journal of Chromatographic Science</i> , 2001 , 39, 205-12	1.4	9
39	Discovery of Nicotinamide Adenine Dinucleotide Binding Proteins in the Escherichia coli Proteome Using a Combined Energetic- and Structural-Bioinformatics-Based Approach. <i>Journal of Proteome Research</i> , 2017 , 16, 470-480	5.6	8
38	Eberlin reaction of arenosulfonylium cations with cyclic acetals and ketals: ring contraction and cycloreversion. <i>Perkin Transactions II RSC</i> , 2001 , 350-355		7
37	Specific visualization and identification of phosphoproteome in gels. <i>Analytical Chemistry</i> , 2014 , 86, 6741-8	7.8	6
36	Quantitative phospho-proteomics based on soluble nanopolymers. <i>Methods in Molecular Biology</i> , 2009 , 527, 117-29, ix	1.4	6
35	Methyltransferase-like 21e inhibits 26S proteasome activity to facilitate hypertrophy of type IIb myofibers. <i>FASEB Journal</i> , 2019 , 33, 9672-9684	0.9	5
34	Identification of the Direct Substrates of the ABL Kinase via Kinase Assay Linked Phosphoproteomics with Multiple Drug Treatments. <i>Journal of Proteome Research</i> , 2019 , 18, 1679-1690	5.6	5
33	Soluble nanopolymer-based phosphoproteomics for studying protein phosphatase. <i>Methods</i> , 2007 , 42, 289-97	4.6	5
32	Identification of Direct Kinase Substrates via Kinase Assay-Linked Phosphoproteomics. <i>Methods in Molecular Biology</i> , 2016 , 1355, 263-73	1.4	5
31	Glass Fiber-Supported Hybrid Monolithic Spin Tip for Enrichment of Phosphopeptides from Urinary Extracellular Vesicles. <i>Analytical Chemistry</i> , 2020 , 92, 14790-14797	7.8	5
30	Extracellular Vesicles and Their Emerging Roles as Cellular Messengers in Endocrinology: An Endocrine Society Scientific Statement.. <i>Endocrine Reviews</i> , 2022 ,	27.2	5
29	Estimating the Efficiency of Phosphopeptide Identification by Tandem Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1127-1135	3.5	4
28	Sensitive measurement of total protein phosphorylation level in complex protein samples. <i>Analyst, The</i> , 2015 , 140, 3390-6	5	4
27	Identification of Upstream Kinases by Fluorescence Complementation Mass Spectrometry. <i>ACS Central Science</i> , 2017 , 3, 1078-1085	16.8	4
26	Tracking Pathogen Infections by Time-Resolved Chemical Proteomics. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2235-2240	16.4	4
25	Multiplexed Imaging of Protein Phosphorylation on Membranes Based on Ti(IV) Functionalized Nanopolymers. <i>ChemBioChem</i> , 2016 , 17, 900-3	3.8	3
24	High-Throughput Phosphorylation Screening and Validation through Ti(IV)-Nanopolymer Functionalized Reverse Phase Phosphoprotein Array. <i>Analytical Chemistry</i> , 2018 , 90, 10263-10270	7.8	3

23	A quantitative proteomics-based competition binding assay to characterize pITAM-protein interactions. <i>Analytical Chemistry</i> , 2013 , 85, 5071-7	7.8	3
22	Intracellular targets for a phosphotyrosine peptidomimetic include the mitotic kinesin, MCAK. <i>Biochemical Pharmacology</i> , 2013 , 86, 597-611	6	3
21	A domesticated Harbinger transposase forms a complex with HDA6 and promotes histone H3 deacetylation at genes but not TEs in Arabidopsis. <i>Journal of Integrative Plant Biology</i> , 2021 , 63, 1462-1474	8.2	3
20	Quantitation of the phosphoproteome using the library-assisted extracted ion chromatogram (LAXIC) strategy. <i>Methods in Molecular Biology</i> , 2014 , 1156, 407-16	1.4	2
19	Identification of Drug Targets In Vitro and in Living Cells by Soluble-Nanopolymer-Based Proteomics. <i>Angewandte Chemie</i> , 2011 , 123, 4219-4222	3.6	2
18	Soluble polymer-based isotopic labeling (SoPIL): a new strategy to discover protein biomarkers?. <i>Expert Review of Proteomics</i> , 2007 , 4, 603-7	4.2	2
17	Ersatz von CD durch PD bei cyclischen Acetalen und Ketalen. <i>Angewandte Chemie</i> , 1999 , 111, 399-401	3.6	2
16	Microcystin-LR Induces NLRP3 Inflammasome Activation via FOXO1 Phosphorylation, Resulting in Interleukin-1 β Secretion and Pyroptosis in Hepatocytes. <i>Toxicological Sciences</i> , 2021 , 179, 53-69	4.4	2
15	The Na pump Ena1 is a yeast epsin-specific cargo requiring its ubiquitylation and phosphorylation sites for internalization. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	2
14	Phosphoproteomic Strategy for Profiling Osmotic Stress Signaling in Arabidopsis. <i>Journal of Visualized Experiments</i> , 2020 ,	1.6	1
13	Tracking Pathogen Infections by Time-Resolved Chemical Proteomics. <i>Angewandte Chemie</i> , 2020 , 132, 2255-2260	3.6	1
12	Characterization of the microRNA transcriptomes and proteomics of cochlear tissue-derived small extracellular vesicles from mice of different ages after birth.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 154	10.3	1
11	Kinase Assay-Linked Phosphoproteomics: Discovery of Direct Kinase Substrates. <i>Methods in Enzymology</i> , 2017 , 586, 453-471	1.7	0
10	Universal non-antibody detection of protein phosphorylation using pIMAGO. <i>Current Protocols in Chemical Biology</i> , 2015 , 7, 17-25	1.8	0
9	Identification of Plant Kinase Substrates Based on Kinase Assay-Linked Phosphoproteomics. <i>Methods in Molecular Biology</i> , 2017 , 1636, 327-335	1.4	0
8	Conservation of Cdc14 phosphatase specificity in plant fungal pathogens: implications for antifungal development. <i>Scientific Reports</i> , 2020 , 10, 12073	4.9	0
7	Universal Sample Preparation Workflow for Plant Phosphoproteomic Profiling. <i>Methods in Molecular Biology</i> , 2021 , 2358, 93-103	1.4	0
6	Innenrücktitelbild: Tracking Pathogen Infections by Time-Resolved Chemical Proteomics (Angew. Chem. 6/2020). <i>Angewandte Chemie</i> , 2020 , 132, 2543-2543	3.6	

- 5 Identification and Quantification of Newly Synthesized Proteins Using Mass Spectrometry-Based Chemical Proteomics **2019**, 207-229
- 4 Quantitative Proteomics by Mass Spectrometry **2011**, 101-128
- 3 Profiling Glycoproteins on Functionalized Reverse Phase Protein Array. *Methods in Molecular Biology*, **2021**, 2237, 207-215 1.4
- 2 Phosphatase and Kinase Substrate Specificity Profiling with Pooled Synthetic Peptides and Mass Spectrometry. *Methods in Molecular Biology*, **2021**, 2329, 51-70 1.4
- 1 Proteomics in Stem Cells 223-242