Weiguo Tao

List of Publications by Year in Descending Order

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	Characterization of the microRNA transcriptomes and proteomics of cochlear tissue-derived small extracellular vesicles from mice of different ages after birth.. *Cellular and Molecular Life Sciences*, **2022**, 79, 154	10.3	1
147	Extracellular Vesicles and Their Emerging Roles as Cellular Messengers in Endocrinology: An Endocrine Society Scientific Statement.. *Endocrine Reviews*, **2022**,	27.2	5
146	Profiling Glycoproteins on Functionalized Reverse Phase Protein Array. *Methods in Molecular Biology*, **2021**, 2237, 207-215	1.4	
145	Microcystin-LR Induces NLRP3 Inflammasome Activation via FOXO1 Phosphorylation, Resulting in Interleukin-1 Secretion and Pyroptosis in Hepatocytes. *Toxicological Sciences*, **2021**, 179, 53-69	4.4	2
144	A domesticated Harbinger transposase forms a complex with HDA6 and promotes histone H3 deacetylation at genes but not TEs in Arabidopsis. *Journal of Integrative Plant Biology*, **2021**, 63, 1462-1474	8.3	3
143	Epigenetic targeting of neuropilin-1 prevents bypass signaling in drug-resistant breast cancer. *Oncogene*, **2021**, 40, 322-333	9.2	11
142	Synergistically Bifunctional Paramagnetic Separation Enables Efficient Isolation of Urine Extracellular Vesicles and Downstream Phosphoproteomic Analysis. *ACS Applied Materials & Interfaces*, **2021**, 13, 3622-3630	9.5	13
141	Phosphatase and Kinase Substrate Specificity Profiling with Pooled Synthetic Peptides and Mass Spectrometry. *Methods in Molecular Biology*, **2021**, 2329, 51-70	1.4	
140	Universal Sample Preparation Workflow for Plant Phosphoproteomic Profiling. *Methods in Molecular Biology*, **2021**, 2358, 93-103	1.4	0
139	Plasma-Derived Extracellular Vesicle Phosphoproteomics through Chemical Affinity Purification. *Journal of Proteome Research*, **2020**, 19, 2563-2574	5.6	14
138	CDK8 is associated with RAP2.6 and SnRK2.6 and positively modulates abscisic acid signaling and drought response in Arabidopsis. *New Phytologist*, **2020**, 228, 1573-1590	9.8	17
137	Innenrücktitelbild: Tracking Pathogen Infections by Time-Resolved Chemical Proteomics (Angew. Chem. 6/2020). *Angewandte Chemie*, **2020**, 132, 2543-2543	3.6	
136	Mapping proteome-wide targets of protein kinases in plant stress responses. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 3270-3280	11.5	49
135	A RAF-SnRK2 kinase cascade mediates early osmotic stress signaling in higher plants. *Nature Communications*, **2020**, 11, 613	17.4	61
134	Isolation and analysis of extracellular vesicles in a Morpho butterfly wing-integrated microvortex biochip. *Biosensors and Bioelectronics*, **2020**, 154, 112073	11.8	37
133	Phosphoproteomic Strategy for Profiling Osmotic Stress Signaling in Arabidopsis. *Journal of Visualized Experiments*, **2020**,	1.6	1
132	A phosphorylation-based switch controls TAA1-mediated auxin biosynthesis in plants. *Nature Communications*, **2020**, 11, 679	17.4	25

131	An evolutionarily conserved iron-sulfur cluster underlies redox sensory function of the Chloroplast Sensor Kinase. *Communications Biology*, **2020**, 3, 13	6.7	16
130	Sequential phosphoproteomics and N-glycoproteomics of plasma-derived extracellular vesicles. *Nature Protocols*, **2020**, 15, 161-180	18.8	29
129	Tracking Pathogen Infections by Time-Resolved Chemical Proteomics. *Angewandte Chemie - International Edition*, **2020**, 59, 2235-2240	16.4	4
128	Tracking Pathogen Infections by Time-Resolved Chemical Proteomics. *Angewandte Chemie*, **2020**, 132, 2255-2260	3.6	1
127	Glass Fiber-Supported Hybrid Monolithic Spin Tip for Enrichment of Phosphopeptides from Urinary Extracellular Vesicles. *Analytical Chemistry*, **2020**, 92, 14790-14797	7.8	5
126	The Na pump Ena1 is a yeast epsin-specific cargo requiring its ubiquitylation and phosphorylation sites for internalization. *Journal of Cell Science*, **2020**, 133,	5.3	2
125	Conservation of Cdc14 phosphatase specificity in plant fungal pathogens: implications for antifungal development. *Scientific Reports*, **2020**, 10, 12073	4.9	0
124	Chemical proteomics tracks virus entry and uncovers NCAM1 as Zika virus receptor. *Nature Communications*, **2020**, 11, 3896	17.4	16
123	Methyltransferase-like 21e inhibits 26S proteasome activity to facilitate hypertrophy of type IIb myofibers. *FASEB Journal*, **2019**, 33, 9672-9684	0.9	5
122	Arabinose biosynthesis is critical for salt stress tolerance in Arabidopsis. *New Phytologist*, **2019**, 224, 274-290	9.8	29
121	Identification of the Direct Substrates of the ABL Kinase via Kinase Assay Linked Phosphoproteomics with Multiple Drug Treatments. *Journal of Proteome Research*, **2019**, 18, 1679-1690	5.6	5
120	Identification and Quantification of Newly Synthesized Proteins Using Mass Spectrometry-Based Chemical Proteomics **2019**, 207-229		
119	Long Noncoding RNA LINC00152 Facilitates the Leukemogenesis of Acute Myeloid Leukemia by Promoting CDK9 Through miR-193a. *DNA and Cell Biology*, **2019**, 38, 236-242	3.6	18
118	Analytical Pipeline for Discovery and Verification of Glycoproteins from Plasma-Derived Extracellular Vesicles as Breast Cancer Biomarkers. *Analytical Chemistry*, **2018**, 90, 6307-6313	7.8	35
117	Reciprocal Regulation of the TOR Kinase and ABA Receptor Balances Plant Growth and Stress Response. *Molecular Cell*, **2018**, 69, 100-112.e6	17.6	224
116	Acquisition of Cholangiocarcinoma Traits during Advanced Hepatocellular Carcinoma Development in Mice. *American Journal of Pathology*, **2018**, 188, 656-671	5.8	14
115	Highly Efficient Phosphoproteome Capture and Analysis from Urinary Extracellular Vesicles. *Journal of Proteome Research*, **2018**, 17, 3308-3316	5.6	19
114	Universal Plant Phosphoproteomics Workflow and Its Application to Tomato Signaling in Response to Cold Stress. *Molecular and Cellular Proteomics*, **2018**, 17, 2068-2080	7.6	30

113	Characterization and Applications of Extracellular Vesicle Proteome with Post-Translational Modifications. *TrAC - Trends in Analytical Chemistry*, **2018**, 107, 21-30	14.6	19
112	High-Throughput Phosphorylation Screening and Validation through Ti(IV)-Nanopolymer Functionalized Reverse Phase Phosphoprotein Array. *Analytical Chemistry*, **2018**, 90, 10263-10270	7.8	3
111	Arabidopsis Duodecuple Mutant of PYL ABA Receptors Reveals PYL Repression of ABA-Independent SnRK2 Activity. *Cell Reports*, **2018**, 23, 3340-3351.e5	10.6	81
110	Structure of the Arabidopsis JMJ14-H3K4me3 Complex Provides Insight into the Substrate Specificity of KDM5 Subfamily Histone Demethylases. *Plant Cell*, **2018**, 30, 167-177	11.6	26
109	Leucine-rich repeat extensin proteins regulate plant salt tolerance in. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 13123-13128	11.5	113
108	Arabidopsis AGDP1 links H3K9me2 to DNA methylation in heterochromatin. *Nature Communications*, **2018**, 9, 4547	17.4	38
107	MST50 is involved in multiple MAP kinase signaling pathways in Magnaporthe oryzae. *Environmental Microbiology*, **2017**, 19, 1959-1974	5.2	28
106	Phosphoproteins in extracellular vesicles as candidate markers for breast cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 3175-3180	11.5	201
105	Discovery of Nicotinamide Adenine Dinucleotide Binding Proteins in the Escherichia coli Proteome Using a Combined Energetic- and Structural-Bioinformatics-Based Approach. *Journal of Proteome Research*, **2017**, 16, 470-480	5.6	8
104	Estimating the Efficiency of Phosphopeptide Identification by Tandem Mass Spectrometry. *Journal of the American Society for Mass Spectrometry*, **2017**, 28, 1127-1135	3.5	4
103	A pair of transposon-derived proteins function in a histone acetyltransferase complex for active DNA demethylation. *Cell Research*, **2017**, 27, 226-240	24.7	59
102	EZH2 Modifies Sunitinib Resistance in Renal Cell Carcinoma by Kinome Reprogramming. *Cancer Research*, **2017**, 77, 6651-6666	10.1	45
101	MAP Kinase Cascades Regulate the Cold Response by Modulating ICE1 Protein Stability. *Developmental Cell*, **2017**, 43, 618-629.e5	10.2	195
100	Recent advances in phosphoproteomics and application to neurological diseases. *Analyst, The*, **2017** , 142, 4373-4387	5	22
99	The SnRK2 kinases modulate miRNA accumulation in Arabidopsis. *PLoS Genetics*, **2017**, 13, e1006753	6	56
98	An Arabidopsis Nucleoporin NUP85 modulates plant responses to ABA and salt stress. *PLoS Genetics*, **2017**, 13, e1007124	6	43
97	Identification of Upstream Kinases by Fluorescence Complementation Mass Spectrometry. *ACS Central Science*, **2017**, 3, 1078-1085	16.8	4
96	A protein complex regulates RNA processing of intronic heterochromatin-containing genes in. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E7377-E7384	11.5	30

95	Kinase Assay-Linked Phosphoproteomics: Discovery of Direct Kinase Substrates. *Methods in Enzymology*, **2017**, 586, 453-471	1.7	0
94	Identification of Plant Kinase Substrates Based on Kinase Assay-Linked Phosphoproteomics. *Methods in Molecular Biology*, **2017**, 1636, 327-335	1.4	0
93	Ascl2 inhibits myogenesis by antagonizing the transcriptional activity of myogenic regulatory factors. *Development (Cambridge)*, **2017**, 144, 235-247	6.6	15
92	BNIP3 Protein Suppresses PINK1 Kinase Proteolytic Cleavage to Promote Mitophagy. *Journal of Biological Chemistry*, **2016**, 291, 21616-21629	5.4	134
91	Three-Dimensionally Functionalized Reverse Phase Glycoprotein Array for Cancer Biomarker Discovery and Validation. *Journal of the American Chemical Society*, **2016**, 138, 15311-15314	16.4	27
90	Multiplexed Imaging of Protein Phosphorylation on Membranes Based on Ti(IV) Functionalized Nanopolymers. *ChemBioChem*, **2016**, 17, 900-3	3.8	3
89	The E3 ubiquitin ligase CHIP mediates ubiquitination and proteasomal degradation of PRMT5. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2016**, 1863, 335-46	4.9	43
88	Identification of Direct Kinase Substrates via Kinase Assay-Linked Phosphoproteomics. *Methods in Molecular Biology*, **2016**, 1355, 263-73	1.4	5
87	Sensitive measurement of total protein phosphorylation level in complex protein samples. *Analyst, The*, **2015**, 140, 3390-6	5	4
86	In-Depth Analyses of B Cell Signaling Through Tandem Mass Spectrometry of Phosphopeptides Enriched by PolyMAC. *International Journal of Mass Spectrometry*, **2015**, 377, 744-753	1.9	17
85	The sensor histidine kinase RgfC affects group B streptococcal virulence factor expression independent of its response regulator RgfA. *Infection and Immunity*, **2015**, 83, 1078-88	3.7	10
84	Time-Resolved Proteomic Visualization of Dendrimer Cellular Entry and Trafficking. *Journal of the American Chemical Society*, **2015**, 137, 12772-12775	16.4	15
83	Universal non-antibody detection of protein phosphorylation using pIMAGO. *Current Protocols in Chemical Biology*, **2015**, 7, 17-25	1.8	0
82	Nitric oxide negatively regulates abscisic acid signaling in guard cells by S-nitrosylation of OST1. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 613-8	11.5	256
81	The methyl-CpG-binding protein MBD7 facilitates active DNA demethylation to limit DNA hyper-methylation and transcriptional gene silencing. *Molecular Cell*, **2015**, 57, 971-983	17.6	77
80	MET18 Connects the Cytosolic Iron-Sulfur Cluster Assembly Pathway to Active DNA Demethylation in Arabidopsis. *PLoS Genetics*, **2015**, 11, e1005559	6	33
79	Global phosphoproteomics of activated B cells using complementary metal ion functionalized soluble nanopolymers. *Analytical Chemistry*, **2014**, 86, 6363-71	7.8	16
78	Specific visualization and identification of phosphoproteome in gels. *Analytical Chemistry*, **2014**, 86, 6741-8	7.8	6

77	Quantitation of the phosphoproteome using the library-assisted extracted ion chromatogram (LAXIC) strategy. *Methods in Molecular Biology*, **2014**, 1156, 407-16	1.4	2
76	Tissue phosphoproteomics with PolyMAC identifies potential therapeutic targets in a transgenic mouse model of HER2 positive breast cancer. *Electrophoresis*, **2014**, 35, 3463-9	3.6	10
75	Analytical challenges translating mass spectrometry-based phosphoproteomics from discovery to clinical applications. *Electrophoresis*, **2014**, 35, 3430-40	3.6	26
74	Identification of extracellular signal-regulated kinase 1 (ERK1) direct substrates using stable isotope labeled kinase assay-linked phosphoproteomics. *Molecular and Cellular Proteomics*, **2014**, 13, 3199-210	7.6	32
73	Current technologies to identify protein kinase substrates in high throughput. *Frontiers in Biology*, **2013**, 8, 216-227		10
72	ArhGAP15, a Rac-specific GTPase-activating protein, plays a dual role in inhibiting small GTPase signaling. *Journal of Biological Chemistry*, **2013**, 288, 21117-21125	5.4	18
71	A quantitative proteomics-based competition binding assay to characterize pITAM-protein interactions. *Analytical Chemistry*, **2013**, 85, 5071-7	7.8	3
70	Phosphatase of regenerating liver 3 (PRL3) provokes a tyrosine phosphoproteome to drive prometastatic signal transduction. *Molecular and Cellular Proteomics*, **2013**, 12, 3759-77	7.6	23
69	Identification of the components of a glycolytic enzyme metabolon on the human red blood cell membrane. *Journal of Biological Chemistry*, **2013**, 288, 848-58	5.4	76
68	Intracellular targets for a phosphotyrosine peptidomimetic include the mitotic kinesin, MCAK. *Biochemical Pharmacology*, **2013**, 86, 597-611	6	3
67	Is phosphoproteomics ready for clinical research?. *Clinica Chimica Acta*, **2013**, 420, 23-7	6.2	16
66	Syk inhibits the activity of protein kinase A by phosphorylating tyrosine 330 of the catalytic subunit. *Journal of Biological Chemistry*, **2013**, 288, 10870-81	5.4	11
65	Quantitative phosphoproteomics identifies SnRK2 protein kinase substrates and reveals the effectors of abscisic acid action. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 11205-10	11.5	288
64	Quantitative measurement of phosphoproteome response to osmotic stress in arabidopsis based on Library-Assisted eXtracted Ion Chromatogram (LAXIC). *Molecular and Cellular Proteomics*, **2013**, 12, 2354-69	7.6	55
63	Identification of direct tyrosine kinase substrates based on protein kinase assay-linked phosphoproteomics. *Molecular and Cellular Proteomics*, **2013**, 12, 2969-80	7.6	30
62	Regulation of parkin and PINK1 by neddylation. *Human Molecular Genetics*, **2012**, 21, 2514-23	5.6	48
61	Multiplexed quantitation of protein expression and phosphorylation based on functionalized soluble nanopolymers. *Journal of the American Chemical Society*, **2012**, 134, 18201-4	16.4	18
60	Identification of cytoskeletal elements enclosing the ATP pools that fuel human red blood cell membrane cation pumps. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 12794-9	11.5	45

59	Chemical visualization of phosphoproteomes on membrane. *Molecular and Cellular Proteomics*, **2012**, 11, 629-39	7.6	22
58	Sensitive kinase assay linked with phosphoproteomics for identifying direct kinase substrates. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 5615-20	11.5	98
57	Purification and characterization of a metalloproteinase, Porthidin-1, from the venom of Lansbergs hog-nosed pitvipers (Porthidium lansbergii hutmanni). *Toxicon*, **2011**, 57, 608-18	2.8	12
56	Quantitative Proteomics by Mass Spectrometry **2011**, 101-128		
55	Aptamer in bioanalytical applications. *Analytical Chemistry*, **2011**, 83, 4440-52	7.8	608
54	Characterization of toxins from the broad-banded water snake Helicops angulatus (Linnaeus, 1758): isolation of a cysteine-rich secretory protein, Helicopsin. *Archives of Toxicology*, **2011**, 85, 305-13	5.8	23
53	Proteomic studies of Syk-interacting proteins using a novel amine-specific isotope tag and GFP nanotrap. *Journal of the American Society for Mass Spectrometry*, **2011**, 22, 319-28	3.5	19
52	Identification of Drug Targets In Vitro and in Living Cells by Soluble-Nanopolymer-Based Proteomics. *Angewandte Chemie*, **2011**, 123, 4219-4222	3.6	2
51	Identification of drug targets in vitro and in living cells by soluble-nanopolymer-based proteomics. *Angewandte Chemie - International Edition*, **2011**, 50, 4133-6	16.4	19
50	Direct detection of fatty acid ethyl esters using low temperature plasma (LTP) ambient ionization mass spectrometry for rapid bacterial differentiation. *Analyst, The*, **2011**, 136, 3091-7	5	35
49	Phosphorylation assay based on multifunctionalized soluble nanopolymer. *Analytical Chemistry*, **2011**, 83, 2767-74	7.8	27
48	Facile determination of double bond position in unsaturated fatty acids and esters by low temperature plasma ionization mass spectrometry. *Analytical Chemistry*, **2011**, 83, 4738-44	7.8	65
47	Rapid direct lipid profiling of bacteria using desorption electrospray ionization mass spectrometry. *International Journal of Mass Spectrometry*, **2011**, 301, 37-44	1.9	82
46	Serine/threonine phosphatase Stp1 mediates post-transcriptional regulation of hemolysin, autolysis, and virulence of group B Streptococcus. *Journal of Biological Chemistry*, **2011**, 286, 44197-44210	5.4	32
45	Functionalized soluble nanopolymers for phosphoproteome analysis. *Methods in Molecular Biology*, **2011**, 790, 277-85	1.4	10
44	Regulation of Syk by phosphorylation on serine in the linker insert. *Journal of Biological Chemistry*, **2010**, 285, 39844-54	5.4	22
43	In-depth analyses of kinase-dependent tyrosine phosphoproteomes based on metal ion-functionalized soluble nanopolymers. *Molecular and Cellular Proteomics*, **2010**, 9, 2162-72	7.6	131
42	Cloning, expression, and hemostatic activities of a disintegrin, r-mojastin 1, from the mohave rattlesnake (Crotalus scutulatus scutulatus). *Thrombosis Research*, **2010**, 126, e211-9	8.2	29

41	Regulation of hemolysin expression and virulence of Staphylococcus aureus by a serine/threonine kinase and phosphatase. *PLoS ONE*, **2010**, 5, e11071	3.7	107
40	Playing tag with quantitative proteomics. *Analytical and Bioanalytical Chemistry*, **2009**, 393, 503-13	4.4	43
39	Identification of serine/threonine kinase substrates in the human pathogen group B streptococcus. *Journal of Proteome Research*, **2009**, 8, 2563-74	5.6	34
38	Quantitative phospho-proteomics based on soluble nanopolymers. *Methods in Molecular Biology*, **2009**, 527, 117-29, ix	1.4	6
37	Quantitative analysis of snake venoms using soluble polymer-based isotope labeling. *Molecular and Cellular Proteomics*, **2008**, 7, 785-99	7.6	11
36	Rapid ambient mass spectrometric profiling of intact, untreated bacteria using desorption electrospray ionization. *Chemical Communications*, **2007**, 61-3	5.8	87
35	An integrated chemical, mass spectrometric and computational strategy for (quantitative) phosphoproteomics: application to Drosophila melanogaster Kc167 cells. *Molecular BioSystems*, **2007**, 3, 275-86		73
34	A novel quantitative proteomics reagent based on soluble nanopolymers. *Chemical Communications* , **2007**, 1251-3	5.8	20
33	Identification of proteolytic cleavage sites by quantitative proteomics. *Journal of Proteome Research*, **2007**, 6, 2850-8	5.6	76
32	PTEN-deficient intestinal stem cells initiate intestinal polyposis. *Nature Genetics*, **2007**, 39, 189-98	36.3	357
31	Soluble polymer-based isotopic labeling (SoPIL): a new strategy to discover protein biomarkers?. *Expert Review of Proteomics*, **2007**, 4, 603-7	4.2	2
30	Profiling constitutive proteolytic events in vivo. *Biochemical Journal*, **2007**, 407, 41-8	3.8	125
29	Soluble nanopolymer-based phosphoproteomics for studying protein phosphatase. *Methods*, **2007**, 42, 289-97	4.6	5
28	A novel quantitative proteomics strategy to study phosphorylation-dependent peptide-protein interactions. *Journal of Proteome Research*, **2007**, 6, 133-40	5.6	38
27	Polar acetalization and transacetalization in the gas phase: the Eberlin reaction. *Chemical Reviews*, **2006**, 106, 188-211	68.1	73
26	Quantitative phosphoproteome analysis using a dendrimer conjugation chemistry and tandem mass spectrometry. *Nature Methods*, **2005**, 2, 591-8	21.6	279
25	Proteomic analysis identifies that 14-3-3zeta interacts with beta-catenin and facilitates its activation by Akt. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 15370-5	11.5	119
24	Kinetic method for the simultaneous chiral analysis of different amino acids in mixtures. *Journal of Mass Spectrometry*, **2003**, 38, 386-93	2.2	52

23	Advances in quantitative proteomics via stable isotope tagging and mass spectrometry. *Current Opinion in Biotechnology*, **2003**, 14, 110-8	11.4	243
22	Chiral analysis by MS. *Analytical Chemistry*, **2003**, 75, 25A-31A	7.8	109
21	Ligand and metal-ion effects in metal-ion clusters used for chiral analysis of alpha-hydroxy acids by the kinetic method. *Analytical and Bioanalytical Chemistry*, **2002**, 373, 618-27	4.4	45
20	Chiral Preferences in the Dissociation of Homogeneous Amino Acid/Metal Ion Clusters. *European Journal of Mass Spectrometry*, **2002**, 8, 107-115	1.1	19
19	Quotient ratio method for quantitative enantiomeric determination by mass spectrometry. *Analytical Chemistry*, **2002**, 74, 3783-9	7.8	55
18	Quantitative chiral analysis of sugars by electrospray ionization tandem mass spectrometry using modified amino acids as chiral reference compounds. *Analytical Chemistry*, **2002**, 74, 3458-62	7.8	82
17	Chiral resolution of d- and l-amino acids by tandem mass spectrometry of Ni(II)-bound trimeric complexes. *International Journal of Mass Spectrometry*, **2001**, 204, 159-169	1.9	78
16	Differentiation and quantitation of isomeric dipeptides by low-energy dissociation of copper(II)-bound complexes. *Journal of the American Society for Mass Spectrometry*, **2001**, 12, 490-6	3.5	57
15	Gas-phase SN2 reactivity of dicoordinated borinium cations using pentaquadrupole mass spectrometry. *Journal of the American Society for Mass Spectrometry*, **2001**, 12, 948-55	3.5	10
14	Metal-assisted esterification: glutaric acid-iron(II) complexes in the gas phase. *Rapid Communications in Mass Spectrometry*, **2001**, 15, 484-8	2.2	10
13	Parallel Reactions for Enantiomeric Quantification of Peptides by Mass Spectrometry. *Angewandte Chemie*, **2001**, 113, 779-782	3.6	11
12	Parallel Reactions for Enantiomeric Quantification of Peptides by Mass Spectrometry. *Angewandte Chemie - International Edition*, **2001**, 40, 757-760	16.4	73
11	Liquid chromatographic studies of the effect of phosphate on the binding properties of silica-immobilized bovine serum albumin. *Journal of Chromatographic Science*, **2001**, 39, 205-12	1.4	9
10	Eberlin reaction of arenesulfenylium cations with cyclic acetals and ketals: ring contraction and cycloreversion. *Perkin Transactions II RSC*, **2001**, 350-355		7
9	Mass spectrometric quantitation of chiral drugs by the kinetic method. *Analytical Chemistry*, **2001**, 73, 1692-8	7.8	145
8	Rapid enantiomeric quantification of an antiviral nucleoside agent (D,L-FMAU, 2Sfluoro-5-methyl-beta,D,L-arabinofurano-syluracil) by mass spectrometry. *Journal of Medicinal Chemistry*, **2001**, 44, 3541-4	8.3	48
7	Copper(II)-Assisted Enantiomeric Analysis ofd,l-Amino Acids Using the Kinetic Method:Chiral Recognition and Quantification in the Gas Phase. *Journal of the American Chemical Society*, **2000**, 122, 10598-10609	16.4	190
6	Rapid enantiomeric determination of hydroxy acids by electrospray ionization tandem mass spectrometry. *Chemical Communications*, **2000**, 2023-2024	5.8	57

5	Ersatz von C□ durch P□ bei cyclischen Acetalen und Ketalen. *Angewandte Chemie*, **1999**, 111, 399-401	3.6	2
4	Replacement of C-O by P-O in Cyclic Acetals and Ketals. *Angewandte Chemie - International Edition*, **1999**, 38, 386-389	16.4	17
3	Kinetic Resolution of d,l-Amino Acids Based on Gas-Phase Dissociation of Copper(II) Complexes. *Analytical Chemistry*, **1999**, 71, 4427-9	7.8	126
2	Synthesis of B- and P-Heterocycles by Reaction of Cyclic Acetals and Ketals with Borinium and Phosphonium Ions. *Journal of Organic Chemistry*, **1999**, 64, 3213-3223	4.2	25
1	Proteomics in Stem Cells223-242		