Donald F Hunt

List of Publications by Year in Descending Order

366 papers	37,924 citations	101 h-index	185 g-index
373 ext. papers	40,665 ext. citations	8.9 avg, IF	6.6 L-index

#	Paper	IF	Citations
366	Nitrogen-Containing Aromatic Radical Anions Perform Multiple Proton and Electron Transfers Near-Simultaneously with Multiply Protonated Cations. *Analytical Chemistry*, **2021**, 93, 14365-14368	7.8	
365	Improved Sequence Analysis of Intact Proteins by Parallel Ion Parking during Electron Transfer Dissociation. *Analytical Chemistry*, **2021**, 93, 15728-15735	7.8	1
364	Advanced Strategies for Proton-Transfer Reactions Coupled with Parallel Ion Parking on a 21 T FT-ICR MS for Intact Protein Analysis. *Analytical Chemistry*, **2021**, 93, 9119-9128	7.8	3
363	Tumor Infiltrating Lymphocytes Target HLA-I Phosphopeptides Derived From Cancer Signaling in Colorectal Cancer. *Frontiers in Immunology*, **2021**, 12, 723566	8.4	0
362	Direct Target Site Identification of a Sulfonyl-Triazole Covalent Kinase Probe by LC-MS Chemical Proteomics. *Analytical Chemistry*, **2021**, 93, 11946-11955	7.8	7
361	Independent transcriptomic and proteomic regulation by type I and II protein arginine methyltransferases. *IScience*, **2021**, 24, 102971	6.1	1
360	MHC Phosphopeptides: Promising Targets for Immunotherapy of Cancer and Other Chronic Diseases. *Molecular and Cellular Proteomics*, **2021**, 20, 100112	7.6	2
359	MHC-restricted phosphopeptide antigens: preclinical validation and first-in-humans clinical trial in participants with high-risk melanoma **2020**, 8,		22
358	Deciphering the Enigma of the Histone H2A.Z-1/H2A.Z-2 Isoforms: Novel Insights and Remaining Questions. *Cells*, **2020**, 9,	7.9	2
357	Sequencing a Bispecific Antibody by Controlling Chain Concentration Effects When Using an Immobilized Nonspecific Protease. *Analytical Chemistry*, **2020**, 92, 10470-10477	7.8	1
356	Tyrosine Phosphorylation of the Myosin Regulatory Light Chain Controls Non-muscle Myosin II Assembly and Function in Migrating Cells. *Current Biology*, **2020**, 30, 2446-2458.e6	6.3	8
355	Transcription factor binding at Ig enhancers is linked to somatic hypermutation targeting. *European Journal of Immunology*, **2020**, 50, 380-395	6.1	2
354	Interlaboratory Study for Characterizing Monoclonal Antibodies by Top-Down and Middle-Down Mass Spectrometry. *Journal of the American Society for Mass Spectrometry*, **2020**, 31, 1783-1802	3.5	32
353	Ion-Ion Proton Transfer and Parallel Ion Parking for the Analysis of Mixtures of Intact Proteins on a Modified Orbitrap Mass Analyzer. *Journal of the American Society for Mass Spectrometry*, **2019**, 30, 2163-2173	3.5	19
352	Unambiguous Sequence Characterization of a Monoclonal Antibody in a Single Analysis Using a Nonspecific Immobilized Enzyme Reactor. *Analytical Chemistry*, **2019**, 91, 13547-13554	7.8	1
351	O-GlcNAc Site Mapping by Using a Combination of Chemoenzymatic Labeling, Copper-Free Click Chemistry, Reductive Cleavage, and Electron-Transfer Dissociation Mass Spectrometry. *Analytical Chemistry*, **2019**, 91, 2620-2625	7.8	17
350	Murine xenograft bioreactors for human immunopeptidome discovery. *Scientific Reports*, **2019**, 9, 18558	4.9	6

349	Protamines from liverwort are produced by post-translational cleavage and C-terminal di-aminopropanelation of several male germ-specific H1 histones. *Journal of Biological Chemistry*, **2019**, 294, 16364-16373	5.4	6
348	Phosphorylation coexists with O-GlcNAcylation in a plant virus protein and influences viral infection. *Molecular Plant Pathology*, **2018**, 19, 1427-1443	5.7	10
347	OGT (-GlcNAc Transferase) Selectively Modifies Multiple Residues Unique to Lamin A. *Cells*, **2018**, 7,	7.9	9
346	The Arabidopsis O-fucosyltransferase SPINDLY activates nuclear growth repressor DELLA. *Nature Chemical Biology*, **2017**, 13, 479-485	11.7	78
345	Peptide-binding motifs of two common equine class I MHC molecules in Thoroughbred horses. *Immunogenetics*, **2017**, 69, 351-358	3.2	
344	Identification of Glycopeptides as Posttranslationally Modified Neoantigens in Leukemia. *Cancer Immunology Research*, **2017**, 5, 376-384	12.5	63
343	A Dual Inhibitory Mechanism Sufficient to Maintain Cell-Cycle-Restricted CENP-A Assembly. *Molecular Cell*, **2017**, 65, 231-246	17.6	45
342	Shared peptide binding of HLA Class I and II alleles associate with cutaneous nevirapine hypersensitivity and identify novel risk alleles. *Scientific Reports*, **2017**, 7, 8653	4.9	30
341	Front-End Electron Transfer Dissociation Coupled to a 21 Tesla FT-ICR Mass Spectrometer for Intact Protein Sequence Analysis. *Journal of the American Society for Mass Spectrometry*, **2017**, 28, 1787-1795	3.5	27
340	Identification and Characterization of Complex Glycosylated Peptides Presented by the MHC Class II Processing Pathway in Melanoma. *Journal of Proteome Research*, **2017**, 16, 228-237	5.6	25
339	Canonical and Cross-reactive Binding of NK Cell Inhibitory Receptors to HLA-C Allotypes Is Dictated by Peptides Bound to HLA-C. *Frontiers in Immunology*, **2017**, 8, 193	8.4	26
338	The antigenic identity of human class I MHC phosphopeptides is critically dependent upon phosphorylation status. *Oncotarget*, **2017**, 8, 54160-54172	3.3	27
337	Characterization of the peptide binding specificity of the HLA class I alleles B*38:01 and B*39:06. *Immunogenetics*, **2016**, 68, 231-6	3.2	4
336	O-GlcNAcylation of master growth repressor DELLA by SECRET AGENT modulates multiple signaling pathways in Arabidopsis. *Genes and Development*, **2016**, 30, 164-76	12.6	59
335	Analysis of Monoclonal Antibody Sequence and Post-translational Modifications by Time-controlled Proteolysis and Tandem Mass Spectrometry. *Molecular and Cellular Proteomics*, **2016**, 15, 1479-88	7.6	29
334	Analyses of Histone Proteoforms Using Front-end Electron Transfer Dissociation-enabled Orbitrap Instruments. *Molecular and Cellular Proteomics*, **2016**, 15, 975-88	7.6	37
333	Identification of the Post-translational Modifications Present in Centromeric Chromatin. *Molecular and Cellular Proteomics*, **2016**, 15, 918-31	7.6	36
332	Protein derivatization and sequential ion/ion reactions to enhance sequence coverage produced by electron transfer dissociation mass spectrometry. *International Journal of Mass Spectrometry*, **2015**, 377, 617-624	1.9	23

331	A regulatory motif in nonmuscle myosin II-B regulates its role in migratory front-back polarity. *Journal of Cell Biology*, **2015**, 209, 23-32	7.3	27
330	Peptide Sequence Analysis by Electron Transfer Dissociation Mass Spectrometry: A Web-Based Tutorial. *Journal of the American Society for Mass Spectrometry*, **2015**, 26, 1256-8	3.5	9
329	The common equine class I molecule Eqca-1*00101 (ELA-A3.1) is characterized by narrow peptide binding and T cell epitope repertoires. *Immunogenetics*, **2015**, 67, 675-89	3.2	5
328	Complementary IMAC enrichment methods for HLA-associated phosphopeptide identification by mass spectrometry. *Nature Protocols*, **2015**, 10, 1308-18	18.8	57
327	Developmentally Regulated Post-translational Modification of Nucleoplasmin Controls Histone Sequestration and Deposition. *Cell Reports*, **2015**, 10, 1735-1748	10.6	31
326	Pepsin-Containing Membranes for Controlled Monoclonal Antibody Digestion Prior to Mass Spectrometry Analysis. *Analytical Chemistry*, **2015**, 87, 10942-9	7.8	28
325	Site-Specific Zwitterionic Polymer Conjugates of a Protein Have Long Plasma Circulation. *ChemBioChem*, **2015**, 16, 2451-5	3.8	24
324	Acyclovir Has Low but Detectable Influence on HLA-B*57:01 Specificity without Inducing Hypersensitivity. *PLoS ONE*, **2015**, 10, e0124878	3.7	8
323	GSK3- and PRMT-1-dependent modifications of desmoplakin control desmoplakin-cytoskeleton dynamics. *Journal of Cell Biology*, **2015**, 208, 597-612	7.3	39
322	Cross-talk between two essential nutrient-sensitive enzymes: O-GlcNAc transferase (OGT) and AMP-activated protein kinase (AMPK). *Journal of Biological Chemistry*, **2014**, 289, 10592-10606	5.4	124
321	Phosphorylation and arginine methylation mark histone H2A prior to deposition during Xenopus laevis development. *Epigenetics and Chromatin*, **2014**, 7, 22	5.8	21
320	Methylation of histone H3K23 blocks DNA damage in pericentric heterochromatin during meiosis. *ELife*, **2014**, 3, e02996	8.9	38
319	Front-end electron transfer dissociation: a new ionization source. *Analytical Chemistry*, **2013**, 85, 8385-90	7.8	49
318	Peptide-binding motifs associated with MHC molecules common in Chinese rhesus macaques are analogous to those of human HLA supertypes and include HLA-B27-like alleles. *Immunogenetics*, **2013**, 65, 371-86	3.2	18
317	O-Linked N-acetylglucosamine (O-GlcNAc) regulates emerin binding to barrier to autointegration factor (BAF) in a chromatin- and lamin B-enriched "niche". *Journal of Biological Chemistry*, **2013**, 288, 30192-30209	5.4	31
316	MHC class I-associated phosphopeptides are the targets of memory-like immunity in leukemia. *Science Translational Medicine*, **2013**, 5, 203ra125	17.5	140
315	O-GlcNAc modification of the coat protein of the potyvirus Plum pox virus enhances viral infection. *Virology*, **2013**, 442, 122-31	3.6	27
314	Structure-based design of altered MHC class II-restricted peptide ligands with heterogeneous immunogenicity. *Journal of Immunology*, **2013**, 191, 5097-106	5.3	18

313	Posttranslational modification of CENP-A influences the conformation of centromeric chromatin. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 11827-32	11.5	91
312	Mitogen-activated protein kinase signaling mediates phosphorylation of polycomb ortholog Cbx7. *Journal of Biological Chemistry*, **2013**, 288, 36398-408	5.4	7
311	Site-specific phosphorylation of the DNA damage response mediator rad9 by cyclin-dependent kinases regulates activation of checkpoint kinase 1. *PLoS Genetics*, **2013**, 9, e1003310	6	20
310	Identification and origin of N-linked □D-N-acetylglucosamine monosaccharide modifications on Arabidopsis proteins. *Plant Physiology*, **2013**, 161, 455-64	6.6	20
309	Increasing peptide identifications and decreasing search times for ETD spectra by pre-processing and calculation of parent precursor charge. *Proteome Science*, **2012**, 10, 8	2.6	4
308	Substrate specificity of mammalian N-terminal □amino methyltransferase NRMT. *Biochemistry*, **2012**, 51, 5942-50	3.2	40
307	Optimization of electron transfer dissociation via informed selection of reagents and operating parameters. *Analytical Chemistry*, **2012**, 84, 1781-5	7.8	37
306	Trk activation of the ERK1/2 kinase pathway stimulates intermediate chain phosphorylation and recruits cytoplasmic dynein to signaling endosomes for retrograde axonal transport. *Journal of Neuroscience*, **2012**, 32, 15495-510	6.6	69
305	Tandem mass spectrometry identifies many mouse brain O-GlcNAcylated proteins including EGF domain-specific O-GlcNAc transferase targets. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 7280-5	11.5	234
304	Identification of the peptide-binding motif recognized by the pigtail macaque class I MHC molecule Mane-A1*082:01 (Mane A*0301). *Immunogenetics*, **2012**, 64, 461-8	3.2	2
303	Drug hypersensitivity caused by alteration of the MHC-presented self-peptide repertoire. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 9959-64	11.5	290
302	Intestinal cell kinase (ICK) promotes activation of mTOR complex 1 (mTORC1) through phosphorylation of Raptor Thr-908. *Journal of Biological Chemistry*, **2012**, 287, 12510-9	5.4	22
301	O-GlcNAcylation of the Plum pox virus capsid protein catalyzed by SECRET AGENT: characterization of O-GlcNAc sites by electron transfer dissociation mass spectrometry. *Amino Acids*, **2011**, 40, 869-76	3.5	21
300	Protein arginine methyltransferase Prmt5-Mep50 methylates histones H2A and H4 and the histone chaperone nucleoplasmin in Xenopus laevis eggs. *Journal of Biological Chemistry*, **2011**, 286, 42221-42231	5.4	48
299	NRMT is an alpha-N-methyltransferase that methylates RCC1 and retinoblastoma protein. *Nature*, **2010**, 466, 1125-8	50.4	82
298	Histone H3 Thr 45 phosphorylation is a replication-associated post-translational modification in S. cerevisiae. *Nature Cell Biology*, **2010**, 12, 294-8	23.4	63
297	Comprehensive analysis of phosphorylation sites in Tensin1 reveals regulation by p38MAPK. *Molecular and Cellular Proteomics*, **2010**, 9, 2853-63	7.6	26
296	Enrichment and site mapping of O-linked N-acetylglucosamine by a combination of chemical/enzymatic tagging, photochemical cleavage, and electron transfer dissociation mass spectrometry. *Molecular and Cellular Proteomics*, **2010**, 9, 153-60	7.6	199

295	Predominant occupation of the class I MHC molecule H-2Kwm7 with a single self-peptide suggests a mechanism for its diabetes-protective effect. *International Immunology*, **2010**, 22, 191-203	4.9	2
294	CDK9 regulates AR promoter selectivity and cell growth through serine 81 phosphorylation. *Molecular Endocrinology*, **2010**, 24, 2267-80		98
293	Structural basis for the presentation of tumor-associated MHC class II-restricted phosphopeptides to CD4+ T cells. *Journal of Molecular Biology*, **2010**, 399, 596-603	6.5	29
292	Extensive crosstalk between O-GlcNAcylation and phosphorylation regulates cytokinesis. *Science Signaling*, **2010**, 3, ra2	8.8	231
291	Identification of a 17beta-hydroxysteroid dehydrogenase type 12 pseudogene as the source of a highly restricted BALB/c Meth A tumor rejection peptide. *Cancer Immunology, Immunotherapy*, **2010** , 59, 113-24	7.4	8
290	Par3 controls epithelial spindle orientation by aPKC-mediated phosphorylation of apical Pins. *Current Biology*, **2010**, 20, 1809-18	6.3	187
289	Immunologically Targeting the Leukaemia Phosphoproteome. *Blood*, **2010**, 116, 1016-1016	2.2	
288	Proteome-wide prediction of acetylation substrates. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 13785-90	11.5	99
287	A distinct H2A.X isoform is enriched in Xenopus laevis eggs and early embryos and is phosphorylated in the absence of a checkpoint. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 749-54	11.5	42
286	Identification of tumor-associated, MHC class II-restricted phosphopeptides as targets for immunotherapy. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 12073-8	11.5	79
285	Analysis of histones in Xenopus laevis. II. mass spectrometry reveals an index of cell type-specific modifications on H3 and H4. *Journal of Biological Chemistry*, **2009**, 284, 1075-85	5.4	41
284	A PGC-1alpha-O-GlcNAc transferase complex regulates FoxO transcription factor activity in response to glucose. *Journal of Biological Chemistry*, **2009**, 284, 5148-57	5.4	137
283	Analysis of histones in Xenopus laevis. I. A distinct index of enriched variants and modifications exists in each cell type and is remodeled during developmental transitions. *Journal of Biological Chemistry*, **2009**, 284, 1064-74	5.4	55
282	Characterization of the histone H2A.Z-1 and H2A.Z-2 isoforms in vertebrates. *BMC Biology*, **2009**, 7, 86	7.3	72
281	Post-acquisition ETD spectral processing for increased peptide identifications. *Journal of the American Society for Mass Spectrometry*, **2009**, 20, 1435-40	3.5	59
280	Proteomic analysis and identification of the structural and regulatory proteins of the Rhodobacter capsulatus gene transfer agent. *Journal of Proteome Research*, **2009**, 8, 967-73	5.6	21
279	Use of differential isotopic labeling and mass spectrometry to analyze capacitation-associated changes in the phosphorylation status of mouse sperm proteins. *Journal of Proteome Research*, **2009**, 8, 1431-40	5.6	60
278	C. elegans pur alpha, an activator of end-1, synergizes with the Wnt pathway to specify endoderm. *Developmental Biology*, **2009**, 327, 12-23	3.1	12

277	Acetylation of vertebrate H2A.Z and its effect on the structure of the nucleosome. *Biochemistry*, **2009**, 48, 5007-17	3.2	69
276	Phosphorylation-dependent interaction between antigenic peptides and MHC class I: a molecular basis for the presentation of transformed self. *Nature Immunology*, **2008**, 9, 1236-43	19.1	101
275	Methods for analyzing peptides and proteins on a chromatographic timescale by electron-transfer dissociation mass spectrometry. *Nature Protocols*, **2008**, 3, 1709-17	18.8	77
274	Diversity of aminopeptidases, derived from four lepidopteran gene duplications, and polycalins expressed in the midgut of Helicoverpa armigera: identification of proteins binding the delta-endotoxin, Cry1Ac of Bacillus thuringiensis. *Insect Biochemistry and Molecular Biology*, **2008**, 38, 685-96	4.5	62
273	Codependent functions of RSK2 and the apoptosis-promoting factor TIA-1 in stress granule assembly and cell survival. *Molecular Cell*, **2008**, 31, 722-36	17.6	119
272	Cathepsin L proteolytically processes histone H3 during mouse embryonic stem cell differentiation. *Cell*, **2008**, 135, 284-94	56.2	258
271	C-terminal phosphorylation of murine testis-specific histone H1t in elongating spermatids. *Journal of Proteome Research*, **2008**, 7, 4070-8	5.6	19
270	A phosphorylated subpopulation of the histone variant macroH2A1 is excluded from the inactive X chromosome and enriched during mitosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 1533-8	11.5	45
269	O-GlcNAc regulates FoxO activation in response to glucose. *Journal of Biological Chemistry*, **2008**, 283, 16283-92	5.4	224
268	TAB4 stimulates TAK1-TAB1 phosphorylation and binds polyubiquitin to direct signaling to NF-kappaB. *Journal of Biological Chemistry*, **2008**, 283, 19245-54	5.4	39
267	Phosphorylation by casein kinase 2 regulates Nap1 localization and function. *Molecular and Cellular Biology*, **2008**, 28, 1313-25	4.8	28
266	Inhibition of tristetraprolin deadenylation by poly(A) binding protein. *American Journal of Physiology - Renal Physiology*, **2008**, 295, G421-30	5.1	14
265	Proteomic, microarray, and signature-tagged mutagenesis analyses of anaerobic Pseudomonas aeruginosa at pH 6.5, likely representing chronic, late-stage cystic fibrosis airway conditions. *Journal of Bacteriology*, **2008**, 190, 2739-58	3.5	79
264	A PGC-1 O-GlcNAc Transferase Complex Regulates Foxo1a Activation in Response to Glucose. *FASEB Journal*, **2008**, 22, 613.1	0.9	
263	Differential-Expression Proteomics for the Study of Sulfur Metabolism in the Chemolithoautotrophic Acidithiobacillus ferrooxidans **2008**, 77-86		3
262	HDM2-binding partners: interaction with translation elongation factor EF1alpha. *Journal of Proteome Research*, **2007**, 6, 1410-7	5.6	19
261	Organismal differences in post-translational modifications in histones H3 and H4. *Journal of Biological Chemistry*, **2007**, 282, 7641-55	5.4	237
260	An experimentally derived database of candidate Ras-interacting proteins. *Journal of Proteome Research*, **2007**, 6, 1806-11	5.6	36

259	Characterization of histones and their post-translational modifications by mass spectrometry. *Current Opinion in Chemical Biology*, **2007**, 11, 66-73	9.7	124
258	Analysis of intact proteins on a chromatographic time scale by electron transfer dissociation tandem mass spectrometry. *International Journal of Mass Spectrometry*, **2007**, 259, 197-203	1.9	77
257	N-terminal alpha-methylation of RCC1 is necessary for stable chromatin association and normal mitosis. *Nature Cell Biology*, **2007**, 9, 596-603	23.4	103
256	Chemical derivatization of histones for facilitated analysis by mass spectrometry. *Nature Protocols*, **2007**, 2, 933-8	18.8	283
255	Protein phosphatase 1 regulates assembly and function of the beta-catenin degradation complex. *EMBO Journal*, **2007**, 26, 1511-21	13	94
254	Analysis of proteins and peptides on a chromatographic timescale by electron-transfer dissociation MS. *FEBS Journal*, **2007**, 274, 6269-76	5.7	32
253	Identification of histone H3 lysine 36 acetylation as a highly conserved histone modification. *Journal of Biological Chemistry*, **2007**, 282, 7632-40	5.4	103
252	Long-distance combinatorial linkage between methylation and acetylation on histone H3 N termini. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 2086-91	11.5	149
251	Periplasmic proteins of the extremophile Acidithiobacillus ferrooxidans: a high throughput proteomics analysis. *Molecular and Cellular Proteomics*, **2007**, 6, 2239-51	7.6	69
250	RNAi-dependent H3K27 methylation is required for heterochromatin formation and DNA elimination in Tetrahymena. *Genes and Development*, **2007**, 21, 1530-45	12.6	195
249	Identification of phosphorylation sites in betaPIX and PAK1. *Journal of Cell Science*, **2007**, 120, 3911-8	5.3	22
248	Analysis of phosphorylation sites on proteins from Saccharomyces cerevisiae by electron transfer dissociation (ETD) mass spectrometry. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 2193-8	11.5	509
247	Insulin controls subcellular localization and multisite phosphorylation of the phosphatidic acid phosphatase, lipin 1. *Journal of Biological Chemistry*, **2007**, 282, 277-86	5.4	168
246	Mass spectrometric identification of phosphorylation sites of rRNA transcription factor upstream binding factor. *American Journal of Physiology - Cell Physiology*, **2007**, 292, C1617-24	5.4	8
245	A novel model to identify interaction partners of the PTEN tumor suppressor gene in human bladder cancer. *Biochemical and Biophysical Research Communications*, **2007**, 352, 549-55	3.4	17
244	Immune Targeting of the Phosphoproteome in Lymphoma and Leukemia.. *Blood*, **2007**, 110, 285-285	2.2	1
243	Genomics, metagenomics and proteomics in biomining microorganisms. *Biotechnology Advances*, **2006**, 24, 197-211	17.8	122
242	The characterization of amphibian nucleoplasmins yields new insight into their role in sperm chromatin remodeling. *BMC Genomics*, **2006**, 7, 99	4.5	29

241	Distinct orientation of the alloreactive monoclonal CD8 T cell activation program by three different peptide/MHC complexes. *European Journal of Immunology*, **2006**, 36, 1856-66	6.1	18
240	Sorting of Pmel17 to melanosomes through the plasma membrane by AP1 and AP2: evidence for the polarized nature of melanocytes. *Journal of Cell Science*, **2006**, 119, 1080-91	5.3	48
239	RLIP76 (RalBP1) is an R-Ras effector that mediates adhesion-dependent Rac activation and cell migration. *Journal of Cell Biology*, **2006**, 174, 877-88	7.3	67
238	Identification of phosphorylation sites in GIT1. *Journal of Cell Science*, **2006**, 119, 2847-2850	5.3	23
237	A novel histone deacetylase pathway regulates mitosis by modulating Aurora B kinase activity. *Genes and Development*, **2006**, 20, 2566-79	12.6	134
236	Cortactin phosphorylation sites mapped by mass spectrometry. *Journal of Cell Science*, **2006**, 119, 2851-2853	5.3	40
235	Novel function of prothymosin alpha as a potent inhibitor of human immunodeficiency virus type 1 gene expression in primary macrophages. *Journal of Virology*, **2006**, 80, 9200-6	6.6	44
234	Negative regulation of LRP6 function by casein kinase I epsilon phosphorylation. *Journal of Biological Chemistry*, **2006**, 281, 12233-41	5.4	34
233	Identification of yin-yang regulators and a phosphorylation consensus for male germ cell-associated kinase (MAK)-related kinase. *Molecular and Cellular Biology*, **2006**, 26, 8639-54	4.8	58
232	Histone chaperone Asf1 is required for histone H3 lysine 56 acetylation, a modification associated with S phase in mitosis and meiosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 6988-93	11.5	207
231	Expression of Aedes trypsin-modulating oostatic factor on the virion of TMV: A potential larvicide. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 18963-8	11.5	31
230	Identification of class I MHC-associated phosphopeptides as targets for cancer immunotherapy. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 14889-94	11.5	133
229	Processing of a class I-restricted epitope from tyrosinase requires peptide N-glycanase and the cooperative action of endoplasmic reticulum aminopeptidase 1 and cytosolic proteases. *Journal of Immunology*, **2006**, 177, 5440-50	5.3	36
228	Expression patterns and post-translational modifications associated with mammalian histone H3 variants. *Journal of Biological Chemistry*, **2006**, 281, 559-68	5.4	246
227	Comprehensive phosphoprotein analysis of linker histone H1 from Tetrahymena thermophila. *Molecular and Cellular Proteomics*, **2006**, 5, 1593-609	7.6	52
226	Proteomic and bioinformatic characterization of the biogenesis and function of melanosomes. *Journal of Proteome Research*, **2006**, 5, 3135-44	5.6	157
225	The PANE1 gene encodes a novel human minor histocompatibility antigen that is selectively expressed in B-lymphoid cells and B-CLL. *Blood*, **2006**, 107, 3779-86	2.2	86
224	Protein profile of osteoarthritic human articular cartilage using tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2006**, 20, 2999-3006	2.2	31

223	Site-specific casein kinase 1epsilon-dependent phosphorylation of Dishevelled modulates beta-catenin signaling. *FEBS Journal*, **2006**, 273, 4594-602	5.7	35
222	Genomic and functional evolution of the Drosophila melanogaster sperm proteome. *Nature Genetics*, **2006**, 38, 1440-5	36.3	214
221	mTOR-dependent stimulation of the association of eIF4G and eIF3 by insulin. *EMBO Journal*, **2006**, 25, 1659-68	13	102
220	Protein digestion and phosphopeptide enrichment on a glass microchip. *Analytica Chimica Acta*, **2006**, 564, 116-22	6.6	31
219	The utility of ETD mass spectrometry in proteomic analysis. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2006**, 1764, 1811-22	4	432
218	Cortactin phosphorylation sites mapped by mass spectrometry. *Journal of Cell Science*, **2006**, 119, 2851-3	5.3	28
217	Identification of phosphorylation sites in GIT1. *Journal of Cell Science*, **2006**, 119, 2847-50	5.3	18
216	Methods for the detection of paxillin post-translational modifications and interacting proteins by mass spectrometry. *Journal of Proteome Research*, **2005**, 4, 1832-41	5.6	65
215	Modifications of human histone H3 variants during mitosis. *Biochemistry*, **2005**, 44, 13202-13	3.2	77
214	Analysis of protein phosphorylation by mass spectrometry. *Methods*, **2005**, 35, 256-64	4.6	107
213	The platelet microparticle proteome. *Journal of Proteome Research*, **2005**, 4, 1516-21	5.6	261
212	Impaired assembly results in the accumulation of multiple HLA-C heavy chain folding intermediates. *Journal of Immunology*, **2005**, 175, 6651-8	5.3	10
211	Electron transfer dissociation of peptide anions. *Journal of the American Society for Mass Spectrometry*, **2005**, 16, 880-2	3.5	217
210	Resetting the epigenetic histone code in the MRL-lpr/lpr mouse model of lupus by histone deacetylase inhibition. *Journal of Proteome Research*, **2005**, 4, 2032-42	5.6	125
209	Regulation of HP1-chromatin binding by histone H3 methylation and phosphorylation. *Nature*, **2005** , 438, 1116-22	50.4	739
208	Saccharomyces cerevisiae Rad9 acts as a Mec1 adaptor to allow Rad53 activation. *Current Biology*, **2005**, 15, 1364-75	6.3	187
207	Use of selected reaction monitoring mass spectrometry for the detection of specific MHC class I peptide antigens on A3 supertype family members. *Cancer Immunology, Immunotherapy*, **2005**, 54, 359-71	7.4	33
206	Tandem mass spectrometry for peptide and protein sequence analysis. *BioTechniques*, **2005**, 38, 519, 521, 523	2.5	82

205	Activation of a nuclear Cdc2-related kinase within a mitogen-activated protein kinase-like TDY motif by autophosphorylation and cyclin-dependent protein kinase-activating kinase. *Molecular and Cellular Biology*, **2005**, 25, 6047-64	4.8	46
204	Talin phosphorylation sites mapped by mass spectrometry. *Journal of Cell Science*, **2005**, 118, 4921-3	5.3	42
203	FAK phosphorylation sites mapped by mass spectrometry. *Journal of Cell Science*, **2005**, 118, 4931-5	5.3	42
202	Serine 31 phosphorylation of histone variant H3.3 is specific to regions bordering centromeres in metaphase chromosomes. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 6344-9	11.5	151
201	Protein identification using sequential ion/ion reactions and tandem mass spectrometry. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 9463-8	11.5	346
200	Identification of the surfactant protein A receptor 210 as the unconventional myosin 18A. *Journal of Biological Chemistry*, **2005**, 280, 34447-57	5.4	41
199	Proteomic characterization of messenger ribonucleoprotein complexes bound to nontranslated or translated poly(A) mRNAs in the rat cerebral cortex. *Journal of Biological Chemistry*, **2005**, 280, 6496-503	5.4	34
198	Paxillin phosphorylation sites mapped by mass spectrometry. *Journal of Cell Science*, **2005**, 118, 4925-9	5.3	47
197	Nuclear import of TFIIB is mediated by Kap114p, a karyopherin with multiple cargo-binding domains. *Molecular Biology of the Cell*, **2005**, 16, 3200-10	3.5	14
196	Simian virus 40 small t antigen mediates conformation-dependent transfer of protein phosphatase 2A onto the androgen receptor. *Molecular and Cellular Biology*, **2005**, 25, 1298-308	4.8	56
195	Mass spectrometry analysis of Arabidopsis histone H3 reveals distinct combinations of post-translational modifications. *Nucleic Acids Research*, **2004**, 32, 6511-8	20.1	175
194	Identification of novel and widely expressed cancer/testis gene isoforms that elicit spontaneous cytotoxic T-lymphocyte reactivity to melanoma. *Cancer Research*, **2004**, 64, 1157-63	10.1	18
193	FANCG is phosphorylated at serines 383 and 387 during mitosis. *Molecular and Cellular Biology*, **2004**, 24, 8576-85	4.8	36
192	The Fanconi anemia core complex forms four complexes of different sizes in different subcellular compartments. *Journal of Biological Chemistry*, **2004**, 279, 26201-9	5.4	39
191	MAPKAP kinase 2 phosphorylates tristetraprolin on in vivo sites including Ser178, a site required for 14-3-3 binding. *Journal of Biological Chemistry*, **2004**, 279, 10176-84	5.4	224
190	The vertebrate Ndc80 complex contains Spc24 and Spc25 homologs, which are required to establish and maintain kinetochore-microtubule attachment. *Current Biology*, **2004**, 14, 131-7	6.3	136
189	Aurora B phosphorylates centromeric MCAK and regulates its localization and microtubule depolymerization activity. *Current Biology*, **2004**, 14, 273-86	6.3	389
188	The enhancement of histone H4 and H2A serine 1 phosphorylation during mitosis and S-phase is evolutionarily conserved. *Chromosoma*, **2004**, 112, 360-71	2.8	89

187	Anion dependence in the partitioning between proton and electron transfer in ion/ion reactions. *International Journal of Mass Spectrometry*, **2004**, 236, 33-42	1.9	180
186	Peptide and protein sequence analysis by electron transfer dissociation mass spectrometry. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 9528-33	11.5	2005
185	Characterization of phosphorylation sites on histone H1 isoforms by tandem mass spectrometry. *Journal of Proteome Research*, **2004**, 3, 1219-27	5.6	109
184	A neutral loss activation method for improved phosphopeptide sequence analysis by quadrupole ion trap mass spectrometry. *Analytical Chemistry*, **2004**, 76, 3590-8	7.8	345
183	Novel linear quadrupole ion trap/FT mass spectrometer: performance characterization and use in the comparative analysis of histone H3 post-translational modifications. *Journal of Proteome Research*, **2004**, 3, 621-6	5.6	339
182	Preventing the spontaneous modification of an HLA-A2-restricted peptide at an N-terminal glutamine or an internal cysteine residue enhances peptide antigenicity. *Journal of Immunotherapy*, **2004**, 27, 177-83	5	7
181	The Immunogenicity of a Human Lymphoid Cell-Restricted Minor Histocompatibility Antigen Results from Differential Protein Translation.. *Blood*, **2004**, 104, 305-305	2.2	
180	Tapasin is a facilitator, not an editor, of class I MHC peptide binding. *Journal of Immunology*, **2003**, 171, 5287-95	5.3	89
179	Toward a protein profile of Escherichia coli: comparison to its transcription profile. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 9232-7	11.5	158
178	Identification of the beta cell antigen targeted by a prevalent population of pathogenic CD8+ T cells in autoimmune diabetes. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 8384-8	11.5	313
177	The minor histocompatibility antigen HA-3 arises from differential proteasome-mediated cleavage of the lymphoid blast crisis (Lbc) oncoprotein. *Blood*, **2003**, 102, 621-9	2.2	91
176	Weak agonist self-peptides promote selection and tuning of virus-specific T cells. *European Journal of Immunology*, **2003**, 33, 685-96	6.1	17
175	Identification of a shared epitope recognized by melanoma-specific, HLA-A3-restricted cytotoxic T lymphocytes. *Immunology Letters*, **2003**, 90, 131-5	4.1	9
174	Proteomic analysis of early melanosomes: identification of novel melanosomal proteins. *Journal of Proteome Research*, **2003**, 2, 69-79	5.6	127
173	Phosphoproteome analysis of capacitated human sperm. Evidence of tyrosine phosphorylation of a kinase-anchoring protein 3 and valosin-containing protein/p97 during capacitation. *Journal of Biological Chemistry*, **2003**, 278, 11579-89	5.4	384
172	Histone methyltransferases direct different degrees of methylation to define distinct chromatin domains. *Molecular Cell*, **2003**, 12, 1591-8	17.6	641
171	Competition between two MHC binding registers in a single peptide processed from myelin basic protein influences tolerance and susceptibility to autoimmunity. *Journal of Experimental Medicine*, **2003**, 197, 1391-7	16.6	42
170	A large nucleolar U3 ribonucleoprotein required for 18S ribosomal RNA biogenesis. *Nature*, **2002**, 417, 967-70	50.4	562

169	Gene silencing: trans-histone regulatory pathway in chromatin. *Nature*, **2002**, 418, 498	50.4	374
168	Phosphoproteome analysis by mass spectrometry and its application to Saccharomyces cerevisiae. *Nature Biotechnology*, **2002**, 20, 301-5	44.5	1586
167	Pathways mediating the nuclear import of histones H3 and H4 in yeast. *Journal of Biological Chemistry*, **2002**, 277, 862-8	5.4	116
166	Cytosolic malate dehydrogenase confers selectivity of the nucleic acid-conducting channel. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 1707-12	11.5	31
165	Analysis of MHC class II antigen processing by quantitation of peptides that constitute nested sets. *Journal of Immunology*, **2002**, 169, 5089-97	5.3	74
164	Androgen receptor phosphorylation. Regulation and identification of the phosphorylation sites. *Journal of Biological Chemistry*, **2002**, 277, 29304-14	5.4	263
163	Gas channels for NH(3): proteins from hyperthermophiles complement an Escherichia coli mutant. *Journal of Bacteriology*, **2002**, 184, 3396-400	3.5	34
162	Set2 is a nucleosomal histone H3-selective methyltransferase that mediates transcriptional repression. *Molecular and Cellular Biology*, **2002**, 22, 1298-306	4.8	435
161	Identification by mass spectrometry of CD8(+)-T-cell Mycobacterium tuberculosis epitopes within the Rv0341 gene product. *Infection and Immunity*, **2002**, 70, 2926-32	3.7	35
160	Personal commentary on proteomics. *Journal of Proteome Research*, **2002**, 1, 15-9	5.6	17
159	A receptor for activated C kinase is part of messenger ribonucleoprotein complexes associated with polyA-mRNAs in neurons. *Journal of Neuroscience*, **2002**, 22, 8827-37	6.6	62
158	Smac is required for cytochrome c-induced apoptosis in prostate cancer LNCaP cells. *Cancer Research*, **2002**, 62, 18-23	10.1	26
157	Binding of function-blocking mAbs to mouse and human P-selectin glycoprotein ligand-1 peptides with and without tyrosine sulfation. *Journal of Leukocyte Biology*, **2002**, 72, 470-7	6.5	12
156	Methylation of histone H4 at arginine 3 occurs in vivo and is mediated by the nuclear receptor coactivator PRMT1. *Current Biology*, **2001**, 11, 996-1000	6.3	353
155	Identification and modulation of a naturally processed T cell epitope from the diabetes-associated autoantigen human glutamic acid decarboxylase 65 (hGAD65). *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 1763-8	11.5	85
154	The immunogenicity of a new human minor histocompatibility antigen results from differential antigen processing. *Journal of Experimental Medicine*, **2001**, 193, 195-206	16.6	160
153	The HA-2 minor histocompatibility antigen is derived from a diallelic gene encoding a novel human class I myosin protein. *Journal of Immunology*, **2001**, 167, 3223-30	5.3	104
152	Differences in the expression of human class I MHC alleles and their associated peptides in the presence of proteasome inhibitors. *Journal of Immunology*, **2001**, 167, 1212-21	5.3	70

151	Nuclear import of histone H2A and H2B is mediated by a network of karyopherins. *Journal of Cell Biology*, **2001**, 153, 251-62	7.3	132
150	Identification of cyclin B1 as a shared human epithelial tumor-associated antigen recognized by T cells. *Journal of Experimental Medicine*, **2001**, 194, 1313-23	16.6	108
149	Composition and functional characterization of yeast 66S ribosome assembly intermediates. *Molecular Cell*, **2001**, 8, 505-15	17.6	263
148	Substrate recognition by ADAR1 and ADAR2. *Rna*, **2001**, 7, 846-58	5.8	160
147	Serum protein immunogenicity: implications for liver xenografting. *Electrophoresis*, **2000**, 21, 965-75	3.6	1
146	Melanomas with concordant loss of multiple melanocytic differentiation proteins: immune escape that may be overcome by targeting unique or undefined antigens. *Cancer Immunology, Immunotherapy*, **2000**, 48, 661-72	7.4	82
145	Immunodominance among EBV-derived epitopes restricted by HLA-B27 does not correlate with epitope abundance in EBV-transformed B-lymphoblastoid cell lines. *Journal of Immunology*, **2000**, 164, 6120-9	5.3	69
144	Escherichia coli alpha-hemolysin (HlyA) is heterogeneously acylated in vivo with 14-, 15-, and 17-carbon fatty acids. *Journal of Biological Chemistry*, **2000**, 275, 36698-702	5.4	40
143	Phosphorylated peptides are naturally processed and presented by major histocompatibility complex class I molecules in vivo. *Journal of Experimental Medicine*, **2000**, 192, 1755-62	16.6	163
142	T cell tolerance based on avidity thresholds rather than complete deletion allows maintenance of maximal repertoire diversity. *Journal of Immunology*, **2000**, 165, 25-33	5.3	66
141	A hyperglycemic peptide hormone from the Caribbean shrimp Penaeus (litopenaeus) schmitti. *Peptides*, **2000**, 21, 331-8	3.8	16
140	Mitotic phosphorylation of histone H3 is governed by Ipl1/aurora kinase and Glc7/PP1 phosphatase in budding yeast and nematodes. *Cell*, **2000**, 102, 279-91	56.2	721
139	Subfemtomole MS and MS/MS peptide sequence analysis using nano-HPLC micro-ESI fourier transform ion cyclotron resonance mass spectrometry. *Analytical Chemistry*, **2000**, 72, 4266-74	7.8	285
138	A myosin I isoform in the nucleus. *Science*, **2000**, 290, 337-41	33.3	205
137	Sequencing the Primordial Soup **2000**, 163-177		18
136	Domain identification of hormone-sensitive lipase by circular dichroism and fluorescence spectroscopy, limited proteolysis, and mass spectrometry. *Journal of Biological Chemistry*, **1999**, 274, 15382-8	5.4	30
135	Biochemical identification of a mutated human melanoma antigen recognized by CD4(+) T cells. *Journal of Experimental Medicine*, **1999**, 189, 757-66	16.6	150
134	Mass-spectrometric evaluation of HLA-A*0201-associated peptides identifies dominant naturally processed forms of CTL epitopes from MART-1 and gp100. *International Journal of Cancer*, **1999**, 82, 669-77	7.5	71

133	A cardioactive peptide from the southern armyworm, Spodoptera eridania. *Peptides*, **1999**, 20, 53-61	3.8	26
132	A novel ESI source for coupling capillary electrophoresis and mass spectrometry: Sequence determination of tumor peptides at the attomole level. *Journal of Separation Science*, **1998**, 10, 281-285		52
131	The minor histocompatibility antigen HA-1: a diallelic gene with a single amino acid polymorphism. *Science*, **1998**, 279, 1054-7	33.3	359
130	The class I antigen-processing pathway for the membrane protein tyrosinase involves translation in the endoplasmic reticulum and processing in the cytosol. *Journal of Experimental Medicine*, **1998**, 187, 37-48	16.6	101
129	The immunodominant antigen of an ultraviolet-induced regressor tumor is generated by a somatic point mutation in the DEAD box helicase p68. *Journal of Experimental Medicine*, **1997**, 185, 695-705	16.6	112
128	HLA class I binding motifs derived from random peptide libraries differ at the COOH terminus from those of eluted peptides. *Journal of Experimental Medicine*, **1997**, 185, 367-71	16.6	40
127	Identification of a novel marker for primordial smooth muscle and its differential expression pattern in contractile vs noncontractile cells. *Journal of Cell Biology*, **1997**, 137, 925-37	7.3	26
126	The HLA-A*0201-restricted H-Y antigen contains a posttranslationally modified cysteine that significantly affects T cell recognition. *Immunity*, **1997**, 6, 273-81	32.3	251
125	Specific recognition of thymic self-peptides induces the positive selection of cytotoxic T lymphocytes. *Immunity*, **1997**, 7, 221-31	32.3	84
124	Platelet Adhesion to Collagen Under Flow Causes Dissociation of a Phosphoprotein Complex of Heat-Shock Proteins and Protein Phosphatase 1. *Blood*, **1997**, 90, 1516-1526	2.2	46
123	The isolation of parvalbumin isoforms from the tail muscle of the American alligator (Alligator mississipiensis). *Journal of Inorganic Biochemistry*, **1997**, 66, 67-76	4.2	8
122	Susceptibility to ankylosing spondylitis correlates with the C-terminal residue of peptides presented by various HLA-B27 subtypes. *European Journal of Immunology*, **1997**, 27, 368-73	6.1	99
121	Characterization of a helix-loop-helix (EF hand) motif of silver hake parvalbumin isoform B. *Protein Science*, **1997**, 6, 2397-408	6.3	11
120	Platelet Adhesion to Collagen Under Flow Causes Dissociation of a Phosphoprotein Complex of Heat-Shock Proteins and Protein Phosphatase 1. *Blood*, **1997**, 90, 1516-1526	2.2	1
119	G protein gamma subunits with altered prenylation sequences are properly modified when expressed in Sf9 cells. *Journal of Biological Chemistry*, **1996**, 271, 18582-7	5.4	30
118	Complete primary structure of the molt-inhibiting hormone (MIH) of the Mexican crayfish Procambarus bouvieri (Ortmann). *Peptides*, **1996**, 17, 367-74	3.8	43
117	Isolation of NEB-LFamide, a novel myotropic neuropeptide from the grey fleshfly. *Molecular and Cellular Endocrinology*, **1996**, 117, 157-65	4.4	49
116	A Listeria monocytogenes pentapeptide is presented to cytolytic T lymphocytes by the H2-M3 MHC class Ib molecule. *Immunity*, **1996**, 5, 73-9	32.3	103

115	The proteolytic fragments generated by vertebrate proteasomes: structural relationships to major histocompatibility complex class I binding peptides. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 8572-7	11.5	99
114	Conservation of minor histocompatibility antigens between human and non-human primates. *European Journal of Immunology*, **1996**, 26, 2680-5	6.1	12
113	An HLA-A2-restricted tyrosinase antigen on melanoma cells results from posttranslational modification and suggests a novel pathway for processing of membrane proteins. *Journal of Experimental Medicine*, **1996**, 183, 527-34	16.6	347
112	Protamines of reptiles. *Journal of Biological Chemistry*, **1996**, 271, 23547-57	5.4	18
111	Autoreactive cytotoxic T lymphocytes in human immunodeficiency virus type 1-infected subjects. *Journal of Experimental Medicine*, **1996**, 183, 2509-16	16.6	44
110	Mimosine targets serine hydroxymethyltransferase. *Journal of Biological Chemistry*, **1996**, 271, 2548-56	5.4	42
109	Use of tandem mass spectrometry for MHC ligand analysis **1996**, 603-623		4
108	Mass Spectrometric Methods for Peptide Sequencing: Applications to Immunology and Protein Acylation **1996**, 281-305		6
107	The isolation and identification of three diuretic kinins from the abdominal ventral nerve cord of adult Helicoverpa zea. *Journal of Insect Physiology*, **1995**, 41, 723-730	2.4	45
106	Identification of a graft versus host disease-associated human minor histocompatibility antigen. *Science*, **1995**, 268, 1476-80	33.3	353
105	Hemolytic, but not cell-invasive activity, of adenylate cyclase toxin is selectively affected by differential fatty-acylation in Escherichia coli. *Journal of Biological Chemistry*, **1995**, 270, 20250-3	5.4	76
104	Amino acid sequence of the minor isomorph of the crustacean hyperglycemic hormone (CHH-II) of the Mexican crayfish Procambarus bouvieri (Ortmann): presence of a D-amino acid. *Peptides*, **1995**, 16, 1375-83	3.8	60
103	Multiplicity of N-terminal structures of medium-chain alcohol dehydrogenases. Mass-spectrometric analysis of plant, lower vertebrate and higher vertebrate class I, II, and III forms of the enzyme. *FEBS Letters*, **1995**, 367, 237-40	3.8	13
102	Human H-Y: a male-specific histocompatibility antigen derived from the SMCY protein. *Science*, **1995**, 269, 1588-90	33.3	305
101	The loss of female sex pheromone after mating in the corn earworm moth Helicoverpa zea: identification of a male pheromonostatic peptide. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 5082-6	11.5	93
100	Modulation of c-Myb-induced transcription activation by a phosphorylation site near the negative regulatory domain. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 6429-33	11.5	71
99	Identification of a peptide recognized by five melanoma-specific human cytotoxic T cell lines. *Science*, **1994**, 264, 716-9	33.3	738
98	Internal lysine palmitoylation in adenylate cyclase toxin from Bordetella pertussis. *Science*, **1994**, 266, 433-5	33.3	205

97	Direct analysis of tumor-associated peptide antigens. *Current Opinion in Immunology*, **1994**, 6, 733-40	7.8	49
96	Sequencing and characterization of trypsin modulating oostatic factor (TMOF) from the ovaries of the grey fleshfly, Neobellieria (Sarcophaga) bullata. *Regulatory Peptides*, **1994**, 50, 61-72		80
95	Primary structures of two proteins from the venom of the Mexican red knee tarantula (Brachypelma smithii). *Toxicon*, **1994**, 32, 1083-93	2.8	31
94	trans-2,3-cis-3,4-Dihydroxyproline, a New Naturally Occurring Amino Acid, Is the Sixth Residue in the Tandemly Repeated Consensus Decapeptides of an Adhesive Protein from Mytilus edulis. *Journal of the American Chemical Society*, **1994**, 116, 10803-10804	16.4	106
93	Naturally processed peptides longer than nine amino acid residues bind to the class I MHC molecule HLA-A2.1 with high affinity and in different conformations. *Journal of Immunology*, **1994**, 152, 2874-81	5.3	78
92	Mass spectrometry and characterization of Aedes aegypti trypsin modulating oostatic factor (TMOF) and its analogs. *Insect Biochemistry and Molecular Biology*, **1993**, 23, 703-12	4.5	53
91	Otoconin-22, the major protein of aragonitic frog otoconia, is a homolog of phospholipase A2. *Biochemistry*, **1993**, 32, 5017-24	3.2	61
90	Primary structure of the major isomorph of the crustacean hyperglycemic hormone (CHH-I) from the sinus gland of the Mexican crayfish Procambarus bouvieri (Ortmann): interspecies comparison. *Peptides*, **1993**, 14, 7-16	3.8	59
89	Structure and expression of chloroplast-localized porphobilinogen deaminase from pea (Pisum sativum L.) isolated by redundant polymerase chain reaction. *Plant Physiology*, **1993**, 103, 139-47	6.6	36
88	Molecular structure of a protein-tyrosine/threonine kinase activating p42 mitogen-activated protein (MAP) kinase: MAP kinase kinase. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 173-7	11.5	162
87	Direct identification of an endogenous peptide recognized by multiple HLA-A2.1-specific cytotoxic T cells. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 10275-9	11.5	113
86	Isolation and Characterization of Naturally Processed Peptides Bound by Class II Molecules and Peptides Presented by Normal and Mutant Antigen-Presenting Cells. *Chemical Immunology and Allergy*, **1993**, 57, 152-165		3
85	Isolation and Characterization of Naturally Processed Peptides Bound by Class II Molecules and Peptides Presented by Normal and Mutant Antigen-Presenting Cells. *Chemical Immunology and Allergy*, **1993**, 57, 152-165		7
84	Peptides presented to the immune system by the murine class II major histocompatibility complex molecule I-Ad. *Science*, **1992**, 256, 1817-20	33.3	619
83	Invariant chain peptides in most HLA-DR molecules of an antigen-processing mutant. *Science*, **1992**, 258, 1801-4	33.3	201
82	HLA-A2.1-associated peptides from a mutant cell line: a second pathway of antigen presentation. *Science*, **1992**, 255, 1264-6	33.3	471
81	Characterization of peptides bound to the class I MHC molecule HLA-A2.1 by mass spectrometry. *Science*, **1992**, 255, 1261-3	33.3	1036
80	Identification of Tyr-185 as the site of tyrosine autophosphorylation of recombinant mitogen-activated protein kinase p42mapk. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 5779-83	11.5	53

79	Molecular cloning, nuclear gene structure, and developmental expression of NADPH: protochlorophyllide oxidoreductase in pea (Pisum sativum L.). *Plant Molecular Biology*, **1992**, 18, 967-72	4.6	99
78	Gln-41 is intermolecularly cross-linked to Lys-113 in F-actin by N-(4-azidobenzoyl)-putrescine. *Protein Science*, **1992**, 1, 132-44	6.3	31
77	Optimization of capillary zone electrophoresis/electrospray ionization parameters for the mass spectrometry and tandem mass spectrometry analysis of peptides. *Journal of the American Society for Mass Spectrometry*, **1992**, 3, 289-300	3.5	108
76	Mosquito Oostatic Hormone. *ACS Symposium Series*, **1991**, 133-142	0.4	10
75	Characterization of posttranslational modifications in neuron-specific class III beta-tubulin by mass spectrometry. *Proceedings of the National Academy of Sciences of the United States of America*, **1991** , 88, 4685-9	11.5	220
74	Identity of a second type of allatostatin from cockroach brains: an octadecapeptide amide with a tyrosine-rich address sequence. *Proceedings of the National Academy of Sciences of the United States of America*, **1991**, 88, 2412-6	11.5	162
73	Brain calbindin-D28k and an Mr 29,000 calcium binding protein in cerebellum are different but related proteins: evidence obtained from sequence analysis by tandem mass spectrometry. *Biochemistry*, **1991**, 30, 656-62	3.2	16
72	Isolation and identification of a new diuretic peptide from the tobacco hornworm, Manduca sexta. *Biochemical and Biophysical Research Communications*, **1991**, 181, 927-32	3.4	84
71	Evidence for domain organization within the 61-kDa calmodulin-dependent cyclic nucleotide phosphodiesterase from bovine brain. *Biochemistry*, **1991**, 30, 7931-40	3.2	84
70	The complete sequence of the acidic subunit from Mojave toxin determined by Edman degradation and mass spectrometry. *BBA - Proteins and Proteomics*, **1990**, 1037, 413-21		30
69	The amino acid sequence of the acidic subunit B-chain of crotoxin. *BBA - Proteins and Proteomics*, **1990**, 1040, 217-24		25
68	Surface-induced dissociation of peptide ions in Fourier-transform mass spectrometry. *Journal of the American Society for Mass Spectrometry*, **1990**, 1, 413-6	3.5	95
67	A new peptide in the FMRFamide family isolated from the CNS of the hawkmoth, Manduca sexta. *Peptides*, **1990**, 11, 849-56	3.8	129
66	Identification of proctolin in the central nervous system of the horseshoe crab, Limulus polyphemus. *Peptides*, **1990**, 11, 205-11	3.8	18
65	Analysis of tryptic peptides from the C-terminal region of alpha-crystallin from cataractous and normal human lenses. *Experimental Eye Research*, **1990**, 50, 695-702	3.7	14
64	PROTEIN AND OLIGOPEPTIDE SEQUENCE ANALYSIS ON THE TSQ-70 TRIPLE QUADRUPOLE MASS SPECTROMETER **1990**, 117-126		
63	Tamdem quadrupole fourier transform mass spectrometry. *Analytica Chimica Acta*, **1989**, 225, 1-10	6.6	14
62	Oligopeptide sequence analysis by collision-activated dissociation of multiply charged ions. *Rapid Communications in Mass Spectrometry*, **1989**, 3, 122-4	2.2	38

61	Fourier-transform mass spectrometry of large molecules by electrospray ionization. *Proceedings of the National Academy of Sciences of the United States of America*, **1989**, 86, 9075-8	11.5	177
60	Complete amino acid sequence of a human monocyte chemoattractant, a putative mediator of cellular immune reactions. *Proceedings of the National Academy of Sciences of the United States of America*, **1989**, 86, 1850-4	11.5	122
59	Structural characterization of toxic cyclic peptides from blue-green algae by tandem mass spectrometry. *Proceedings of the National Academy of Sciences of the United States of America*, **1989**, 86, 770-4	11.5	112
58	Protein Sequence Analysis by Tandem Quadrupole Fourier Transform Mass Spectrometry **1989**, 183-190		3
57	LASER PHOTODISSOCIATION FOURIER TRANSFORM MASS SPECTROMETRY: NEW METHODOLOGY FOR SEQUENCE ANALYSIS OF OLIGOPEPTIDES AND LOCATION OF DISULFIDE BONDS **1989**, 160-167		1
56	SEQUENCE ANALYSIS OF PROTEIN C-TERMINAL PROTEOLYTIC FRAGMENTS, PROTEIN ISOLATED FROM 2D-GELS, AND MURINE CALBINDIN: NEW METHODOLOGY **1989**, 168-175		4
55	Affinity labeling, molecular cloning, and comparative amino acid sequence analyses of sex steroid-binding protein of plasma. A multidisciplinary approach for understanding steroid-protein interaction and its physiological role. *Annals of the New York Academy of Sciences*, **1988**, 538, 10-24	6.5	26
54	Characterization of a benzyladenine binding-site peptide isolated from a wheat cytokinin-binding protein: sequence analysis and identification of a single affinity-labeled histidine residue by mass spectrometry. *Proceedings of the National Academy of Sciences of the United States of America*, **1988**, 85, 5927-31	11.5	54
53	Fourier Transform Mass Spectrometry of Large (m/z >5,000) Biomolecules. *ACS Symposium Series*, **1987**, 100-115	0.4	4
52	Tandem quadrupole Fourier-transform mass spectrometry of oligopeptides and small proteins. *Proceedings of the National Academy of Sciences of the United States of America*, **1987**, 84, 620-3	11.5	129
51	Peptide sequence analysis by laser photodissociation Fourier transform mass spectrometry. *Journal of the Chemical Society Chemical Communications*, **1987**, 548		55
50	Sequence homology in the metalloproteins; purple acid phosphatase from beef spleen and uteroferrin from porcine uterus. *Biochemical and Biophysical Research Communications*, **1987**, 144, 1154-60	3.4	54
49	Amino acid sequence analysis of the neuronal type II calmodulin-dependent protein kinase by tandem mass spectrometry. *Biochemical and Biophysical Research Communications*, **1987**, 148, 1104-9	3.4	14
48	Application of low energy CID in the determination of structures of [M −halogen]+ ions obtained from diethyl halosuccinates under electron impact. *Organic Mass Spectrometry*, **1987**, 22, 61-63		7
47	Protein sequencing by tandem mass spectrometry. *Proceedings of the National Academy of Sciences of the United States of America*, **1986**, 83, 6233-7	11.5	1058
46	Tandem quadrupole-Fourier transform mass spectrometry of oligopeptides. *Analytical Chemistry*, **1985**, 57, 2728-33	7.8	38
45	Ionization and mass analysis of nonvolatile compounds by particle bombardment tandem-quadrupole Fourier transform mass spectrometry. *Analytical Chemistry*, **1985**, 57, 765-8	7.8	63
44	Scheme for the Direct Analysis of Organics in the Environment by Tandem Mass Spectrometry. *Analytical Chemistry*, **1985**, 57, 525-537	7.8	58

43	The effect of configuration of gas phase protonated ethenedicarboxylates on their low energy collision induced dissociation behaviour. *Organic Mass Spectrometry*, **1984**, 19, 238-240		19
42	Simulation of electron impact mass spectra by charge exchange in chemical ionization mass spectrometry. *Analytical Chemistry*, **1984**, 56, 1111-1114	7.8	10
41	GC/MS and MS/MS studies of diesel exhaust mutagenicity and emissions from chemically-defined fuels. *Environmental Science & Technology*, **1984**, 18, 428-34	10.3	51
40	The amino acid sequence of delta haemolysin purified from a canine isolate of S. aureus. *FEBS Letters*, **1984**, 169, 25-29	3.8	10
39	Analysis of organics in the environment by functional group using a triple quadrupole mass spectrometer. *Journal of Chromatography A*, **1983**, 271, 93-105	4.5	35
38	Nitric oxide chemical ionization mass spectrometry of alcohols. *Analytical Chemistry*, **1982**, 54, 492-496	7.8	18
37	Determination of organosulfur compounds in hydrocarbon matrixes by collision activated dissociation mass spectrometry. *Analytical Chemistry*, **1982**, 54, 574-578	7.8	29
36	Analysis of nitrated polycyclic aromatic hydrocarbons in diesel particulates. *Analytical Chemistry*, **1982**, 54, 265-271	7.8	250
35	Retro-Diels-Alder, .gamma.-hydrogen rearrangement, and decarboxylation reactions. Pathways for fragmentation in the collisions activated dissociation mass spectra of ketones and carboxylic acid (M-1)- ions. *Journal of Organic Chemistry*, **1982**, 47, 738-741	4.2	23
34	MS/MS analysis of diesel emissions and fuels treated with NO2. *Journal of Applied Toxicology*, **1982**, 2, 231-7	4.1	34
33	Sequence analysis of oligopeptides by secondary ion/collision activated dissociation mass spectrometry. *Analytical Chemistry*, **1981**, 53, 1704-1706	7.8	120
32	Sequence analysis of polypeptides by collision activated dissociation on a triple quadrupole mass spectrometer. *Biological Mass Spectrometry*, **1981**, 8, 397-408		63
31	Pulsed Positive Ion-Negative Ion Chemical Ionization Mass Spectrometry of Animal Drugs: Sulfonamides. *Journal of the Association of Official Analytical Chemists*, **1980**, 63, 452-459		5
30	Collision activated decompositions in mixture analysis with a triple quadrupole mass spectrometer. *Analytical Chemistry*, **1980**, 52, 386-390	7.8	103
29	Gas-phase ion/molecule isotope-exchange reactions: methodology for counting hydrogen atoms in specific organic structural environments by chemical ionization mass spectrometry. *Journal of the American Chemical Society*, **1980**, 102, 6953-6963	16.4	125
28	Electron capture negative ion chemical ionization mass spectrometry. *Analytical Chemistry*, **1978**, 50, 1781-1784	7.8	178
27	Determination of molecular compositions on a quadrupole mass spectrometer by pulsed positive ion negative ion chemical ionization mass spectrometry. *Analytical Chemistry*, **1977**, 49, 1884-1884	7.8	8
26	Chemical ionization mass spectrometry of salts and thermally labile organics with field desorption emitters as solids probes. *Analytical Chemistry*, **1977**, 49, 1160-1163	7.8	96

25	Pulsed positive negative ion chemical ionization mass spectrometry. *Analytical Chemistry*, **1976**, 48, 2098-2104	7.8	232
24	Iron carbonyl complexes of pentalene and dihydropentalene. *Journal of Organometallic Chemistry*, **1976**, 104, 373-376	2.3	13
23	Oxygen as a reagent gas for the analysis of 2,3,7,8-tetrachlorodibenzo-p-dioxin by negative ion chemical ionization mass spectrometry. *Journal of the Chemical Society Chemical Communications*, **1975**, 151		21
22	Positive and negative chemical ionization mass spectrometry using a Townsend discharge ion source. *Analytical Chemistry*, **1975**, 47, 1730-1734	7.8	70
21	Nitric oxide chemical ionization mass spectra of olefins. *Analytical Chemistry*, **1975**, 47, 2136-2141	7.8	46
20	Nitric oxide chemical ionization mass spectra of alkanes. *Analytical Chemistry*, **1975**, 47, 1965-1969	7.8	35
19	Chemical ionization mass spectrometry studies VII: Deuterium labeled decanes. *Organic Mass Spectrometry*, **1973**, 7, 441-448		19
18	Selective Reagents for Chemical Ionization Mass Spectrometry **1973**, 359-376		1
17	Argon-water mixtures as reagents for chemical ionization mass spectrometry. *Analytical Chemistry*, **1972**, 44, 1306-1309	7.8	42
16	Chemical ionization mass spectrometry studies. Nitric oxide as a reagent gas. *Journal of the Chemical Society Chemical Communications*, **1972**, 620		16
15	Stable transition metal .pi. complex of dimethylaminopentalene. *Journal of the American Chemical Society*, **1972**, 94, 7198-7199	16.4	23
14	Determination of active hydrogen in organic compounds by chemical ionization mass spectrometry. *Analytical Chemistry*, **1972**, 44, 1292-1294	7.8	88
13	Conversion of olefins to ethylene ketals with mercuric acetate and palladium chloride. *Tetrahedron Letters*, **1972**, 13, 3595-3598	2	15
12	Chemical ionization mass spectrometry studies. *Journal of Organometallic Chemistry*, **1972**, 43, 163-173	2.3	37
11	Chemistry of (cycloheptatrienone)tricarbonyliron and (cycloheptadienone)tricarbonyliron in highly acidic media. *Journal of Organometallic Chemistry*, **1972**, 38, 349-365	2.3	48
10	Phenylpentalenediiron pentacarbonyl. *Journal of Organometallic Chemistry*, **1972**, 46, C22-C24	2.3	19
9	Heptafulvenetricarbonyliron. *Journal of Organometallic Chemistry*, **1971**, 30, C22-C24	2.3	29
8	Cheical ionization mass spectrometry studies. I. Identification of alcohols. *Tetrahedron Letters*, **1971**, 12, 4535-4538	2	14

7	Chemical ionization mass spectrometry II. Diferentiation of primary, secondary, and tertiary amines. *Tetrahedron Letters*, **1971**, 12, 4539-4542	2	47
6	Phenethyl alcohol and tryptophol: autoantibiotics produced by the fungus Candida albicans. *Science*, **1969**, 163, 192-4	33.3	132
5	Solvolysis and dissociation of 7-substituted norbornadiene Group VIb metal tetracarbonyls. *Inorganic Chemistry*, **1969**, 8, 446-450	5.1	5
4	Structure elucidation of dinucleotides by mass spectrometry. *Biochemical and Biophysical Research Communications*, **1968**, 33, 378-83	3.4	37
3	The 7-norbornadienyltricarbonyliron cation. *Journal of the American Chemical Society*, **1968**, 90, 2561-2568	18.4	21
2	Protonation of norbornadienetricarbonyliron. *Journal of the American Chemical Society*, **1967**, 89, 6387-6389	2.4	17
1	Transcriptomic and proteomic regulation through abundant, dynamic, and independent arginine methylation by Type I and Type II PRMTs		2