

Donald F Hunt

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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	Peptide and protein sequence analysis by electron transfer dissociation mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 9528-33	11.5	2005
365	Phosphoproteome analysis by mass spectrometry and its application to <i>Saccharomyces cerevisiae</i> . <i>Nature Biotechnology</i> , 2002 , 20, 301-5	44.5	1586
364	Protein sequencing by tandem mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986 , 83, 6233-7	11.5	1058
363	Characterization of peptides bound to the class I MHC molecule HLA-A2.1 by mass spectrometry. <i>Science</i> , 1992 , 255, 1261-3	33.3	1036
362	Regulation of HP1-chromatin binding by histone H3 methylation and phosphorylation. <i>Nature</i> , 2005 , 438, 1116-22	50.4	739
361	Identification of a peptide recognized by five melanoma-specific human cytotoxic T cell lines. <i>Science</i> , 1994 , 264, 716-9	33.3	738
360	Mitotic phosphorylation of histone H3 is governed by Ipl1/aurora kinase and Glc7/PP1 phosphatase in budding yeast and nematodes. <i>Cell</i> , 2000 , 102, 279-91	56.2	721
359	Histone methyltransferases direct different degrees of methylation to define distinct chromatin domains. <i>Molecular Cell</i> , 2003 , 12, 1591-8	17.6	641
358	Peptides presented to the immune system by the murine class II major histocompatibility complex molecule I-Ad. <i>Science</i> , 1992 , 256, 1817-20	33.3	619
357	A large nucleolar U3 ribonucleoprotein required for 18S ribosomal RNA biogenesis. <i>Nature</i> , 2002 , 417, 967-70	50.4	562
356	Analysis of phosphorylation sites on proteins from <i>Saccharomyces cerevisiae</i> by electron transfer dissociation (ETD) mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2193-8	11.5	509
355	HLA-A2.1-associated peptides from a mutant cell line: a second pathway of antigen presentation. <i>Science</i> , 1992 , 255, 1264-6	33.3	471
354	Set2 is a nucleosomal histone H3-selective methyltransferase that mediates transcriptional repression. <i>Molecular and Cellular Biology</i> , 2002 , 22, 1298-306	4.8	435
353	The utility of ETD mass spectrometry in proteomic analysis. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006 , 1764, 1811-22	4	432
352	Aurora B phosphorylates centromeric MCAK and regulates its localization and microtubule depolymerization activity. <i>Current Biology</i> , 2004 , 14, 273-86	6.3	389
351	Phosphoproteome analysis of capacitated human sperm. Evidence of tyrosine phosphorylation of a kinase-anchoring protein 3 and valosin-containing protein/p97 during capacitation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 11579-89	5.4	384
350	Gene silencing: trans-histone regulatory pathway in chromatin. <i>Nature</i> , 2002 , 418, 498	50.4	374

349	The minor histocompatibility antigen HA-1: a diallelic gene with a single amino acid polymorphism. <i>Science</i> , 1998 , 279, 1054-7	33.3	359
348	Methylation of histone H4 at arginine 3 occurs in vivo and is mediated by the nuclear receptor coactivator PRMT1. <i>Current Biology</i> , 2001 , 11, 996-1000	6.3	353
347	Identification of a graft versus host disease-associated human minor histocompatibility antigen. <i>Science</i> , 1995 , 268, 1476-80	33.3	353
346	An HLA-A2-restricted tyrosinase antigen on melanoma cells results from posttranslational modification and suggests a novel pathway for processing of membrane proteins. <i>Journal of Experimental Medicine</i> , 1996 , 183, 527-34	16.6	347
345	Protein identification using sequential ion/ion reactions and tandem mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 9463-8	11.5	346
344	A neutral loss activation method for improved phosphopeptide sequence analysis by quadrupole ion trap mass spectrometry. <i>Analytical Chemistry</i> , 2004 , 76, 3590-8	7.8	345
343	Novel linear quadrupole ion trap/FT mass spectrometer: performance characterization and use in the comparative analysis of histone H3 post-translational modifications. <i>Journal of Proteome Research</i> , 2004 , 3, 621-6	5.6	339
342	Identification of the beta cell antigen targeted by a prevalent population of pathogenic CD8+ T cells in autoimmune diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 8384-8	11.5	313
341	Human H-Y: a male-specific histocompatibility antigen derived from the SMCY protein. <i>Science</i> , 1995 , 269, 1588-90	33.3	305
340	Drug hypersensitivity caused by alteration of the MHC-presented self-peptide repertoire. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 9959-64	11.5	290
339	Subfemtomole MS and MS/MS peptide sequence analysis using nano-HPLC micro-ESI fourier transform ion cyclotron resonance mass spectrometry. <i>Analytical Chemistry</i> , 2000 , 72, 4266-74	7.8	285
338	Chemical derivatization of histones for facilitated analysis by mass spectrometry. <i>Nature Protocols</i> , 2007 , 2, 933-8	18.8	283
337	Androgen receptor phosphorylation. Regulation and identification of the phosphorylation sites. <i>Journal of Biological Chemistry</i> , 2002 , 277, 29304-14	5.4	263
336	Composition and functional characterization of yeast 66S ribosome assembly intermediates. <i>Molecular Cell</i> , 2001 , 8, 505-15	17.6	263
335	The platelet microparticle proteome. <i>Journal of Proteome Research</i> , 2005 , 4, 1516-21	5.6	261
334	Cathepsin L proteolytically processes histone H3 during mouse embryonic stem cell differentiation. <i>Cell</i> , 2008 , 135, 284-94	56.2	258
333	The HLA-A*0201-restricted H-Y antigen contains a posttranslationally modified cysteine that significantly affects T cell recognition. <i>Immunity</i> , 1997 , 6, 273-81	32.3	251
332	Analysis of nitrated polycyclic aromatic hydrocarbons in diesel particulates. <i>Analytical Chemistry</i> , 1982 , 54, 265-271	7.8	250

331	Expression patterns and post-translational modifications associated with mammalian histone H3 variants. <i>Journal of Biological Chemistry</i> , 2006 , 281, 559-68	5.4	246
330	Organismal differences in post-translational modifications in histones H3 and H4. <i>Journal of Biological Chemistry</i> , 2007 , 282, 7641-55	5.4	237
329	Tandem mass spectrometry identifies many mouse brain O-GlcNAcylated proteins including EGF domain-specific O-GlcNAc transferase targets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 7280-5	11.5	234
328	Pulsed positive negative ion chemical ionization mass spectrometry. <i>Analytical Chemistry</i> , 1976 , 48, 2098-2104	7.2	232
327	Extensive crosstalk between O-GlcNAcylation and phosphorylation regulates cytokinesis. <i>Science Signaling</i> , 2010 , 3, ra2	8.8	231
326	O-GlcNAc regulates FoxO activation in response to glucose. <i>Journal of Biological Chemistry</i> , 2008 , 283, 16283-92	5.4	224
325	MAPKAP kinase 2 phosphorylates tristetraprolin on in vivo sites including Ser178, a site required for 14-3-3 binding. <i>Journal of Biological Chemistry</i> , 2004 , 279, 10176-84	5.4	224
324	Characterization of posttranslational modifications in neuron-specific class III beta-tubulin by mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 4685-9	11.5	220
323	Electron transfer dissociation of peptide anions. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 880-2	3.5	217
322	Genomic and functional evolution of the Drosophila melanogaster sperm proteome. <i>Nature Genetics</i> , 2006 , 38, 1440-5	36.3	214
321	Histone chaperone Asf1 is required for histone H3 lysine 56 acetylation, a modification associated with S phase in mitosis and meiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 6988-93	11.5	207
320	A myosin I isoform in the nucleus. <i>Science</i> , 2000 , 290, 337-41	33.3	205
319	Internal lysine palmitoylation in adenylate cyclase toxin from Bordetella pertussis. <i>Science</i> , 1994 , 266, 433-5	33.3	205
318	Invariant chain peptides in most HLA-DR molecules of an antigen-processing mutant. <i>Science</i> , 1992 , 258, 1801-4	33.3	201
317	Enrichment and site mapping of O-linked N-acetylglucosamine by a combination of chemical/enzymatic tagging, photochemical cleavage, and electron transfer dissociation mass spectrometry. <i>Molecular and Cellular Proteomics</i> , 2010 , 9, 153-60	7.6	199
316	RNAi-dependent H3K27 methylation is required for heterochromatin formation and DNA elimination in Tetrahymena. <i>Genes and Development</i> , 2007 , 21, 1530-45	12.6	195
315	Par3 controls epithelial spindle orientation by aPKC-mediated phosphorylation of apical Pins. <i>Current Biology</i> , 2010 , 20, 1809-18	6.3	187
314	Saccharomyces cerevisiae Rad9 acts as a Mec1 adaptor to allow Rad53 activation. <i>Current Biology</i> , 2005 , 15, 1364-75	6.3	187

313	Anion dependence in the partitioning between proton and electron transfer in ion/ion reactions. <i>International Journal of Mass Spectrometry</i> , 2004 , 236, 33-42	1.9	180
312	Electron capture negative ion chemical ionization mass spectrometry. <i>Analytical Chemistry</i> , 1978 , 50, 1781-1784	7.8	178
311	Fourier-transform mass spectrometry of large molecules by electrospray ionization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989 , 86, 9075-8	11.5	177
310	Mass spectrometry analysis of Arabidopsis histone H3 reveals distinct combinations of post-translational modifications. <i>Nucleic Acids Research</i> , 2004 , 32, 6511-8	20.1	175
309	Insulin controls subcellular localization and multisite phosphorylation of the phosphatidic acid phosphatase, lipin 1. <i>Journal of Biological Chemistry</i> , 2007 , 282, 277-86	5.4	168
308	Phosphorylated peptides are naturally processed and presented by major histocompatibility complex class I molecules in vivo. <i>Journal of Experimental Medicine</i> , 2000 , 192, 1755-62	16.6	163
307	Molecular structure of a protein-tyrosine/threonine kinase activating p42 mitogen-activated protein (MAP) kinase: MAP kinase kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 173-7	11.5	162
306	Identity of a second type of allatostatin from cockroach brains: an octadecapeptide amide with a tyrosine-rich address sequence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 2412-6	11.5	162
305	The immunogenicity of a new human minor histocompatibility antigen results from differential antigen processing. <i>Journal of Experimental Medicine</i> , 2001 , 193, 195-206	16.6	160
304	Substrate recognition by ADAR1 and ADAR2. <i>Rna</i> , 2001 , 7, 846-58	5.8	160
303	Toward a protein profile of Escherichia coli: comparison to its transcription profile. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 9232-7	11.5	158
302	Proteomic and bioinformatic characterization of the biogenesis and function of melanosomes. <i>Journal of Proteome Research</i> , 2006 , 5, 3135-44	5.6	157
301	Serine 31 phosphorylation of histone variant H3.3 is specific to regions bordering centromeres in metaphase chromosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 6344-9	11.5	151
300	Biochemical identification of a mutated human melanoma antigen recognized by CD4(+) T cells. <i>Journal of Experimental Medicine</i> , 1999 , 189, 757-66	16.6	150
299	Long-distance combinatorial linkage between methylation and acetylation on histone H3 N termini. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2086-91	11.5	149
298	MHC class I-associated phosphopeptides are the targets of memory-like immunity in leukemia. <i>Science Translational Medicine</i> , 2013 , 5, 203ra125	17.5	140
297	A PGC-1alpha-O-GlcNAc transferase complex regulates FoxO transcription factor activity in response to glucose. <i>Journal of Biological Chemistry</i> , 2009 , 284, 5148-57	5.4	137
296	The vertebrate Ndc80 complex contains Spc24 and Spc25 homologs, which are required to establish and maintain kinetochore-microtubule attachment. <i>Current Biology</i> , 2004 , 14, 131-7	6.3	136

295	A novel histone deacetylase pathway regulates mitosis by modulating Aurora B kinase activity. <i>Genes and Development</i> , 2006 , 20, 2566-79	12.6	134
294	Identification of class I MHC-associated phosphopeptides as targets for cancer immunotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 14889-94	11.5	133
293	Nuclear import of histone H2A and H2B is mediated by a network of karyopherins. <i>Journal of Cell Biology</i> , 2001 , 153, 251-62	7.3	132
292	Phenethyl alcohol and tryptophol: autoantibiotics produced by the fungus <i>Candida albicans</i> . <i>Science</i> , 1969 , 163, 192-4	33.3	132
291	A new peptide in the FMRFamide family isolated from the CNS of the hawkmoth, <i>Manduca sexta</i> . <i>Peptides</i> , 1990 , 11, 849-56	3.8	129
290	Tandem quadrupole Fourier-transform mass spectrometry of oligopeptides and small proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987 , 84, 620-3	11.5	129
289	Proteomic analysis of early melanosomes: identification of novel melanosomal proteins. <i>Journal of Proteome Research</i> , 2003 , 2, 69-79	5.6	127
288	Resetting the epigenetic histone code in the MRL-lpr/lpr mouse model of lupus by histone deacetylase inhibition. <i>Journal of Proteome Research</i> , 2005 , 4, 2032-42	5.6	125
287	Gas-phase ion/molecule isotope-exchange reactions: methodology for counting hydrogen atoms in specific organic structural environments by chemical ionization mass spectrometry. <i>Journal of the American Chemical Society</i> , 1980 , 102, 6953-6963	16.4	125
286	Cross-talk between two essential nutrient-sensitive enzymes: O-GlcNAc transferase (OGT) and AMP-activated protein kinase (AMPK). <i>Journal of Biological Chemistry</i> , 2014 , 289, 10592-10606	5.4	124
285	Characterization of histones and their post-translational modifications by mass spectrometry. <i>Current Opinion in Chemical Biology</i> , 2007 , 11, 66-73	9.7	124
284	Genomics, metagenomics and proteomics in biomining microorganisms. <i>Biotechnology Advances</i> , 2006 , 24, 197-211	17.8	122
283	Complete amino acid sequence of a human monocyte chemoattractant, a putative mediator of cellular immune reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989 , 86, 1850-4	11.5	122
282	Sequence analysis of oligopeptides by secondary ion/collision activated dissociation mass spectrometry. <i>Analytical Chemistry</i> , 1981 , 53, 1704-1706	7.8	120
281	Codependent functions of RSK2 and the apoptosis-promoting factor TIA-1 in stress granule assembly and cell survival. <i>Molecular Cell</i> , 2008 , 31, 722-36	17.6	119
280	Pathways mediating the nuclear import of histones H3 and H4 in yeast. <i>Journal of Biological Chemistry</i> , 2002 , 277, 862-8	5.4	116
279	Direct identification of an endogenous peptide recognized by multiple HLA-A2.1-specific cytotoxic T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 10275-9	11.5	113
278	The immunodominant antigen of an ultraviolet-induced regressor tumor is generated by a somatic point mutation in the DEAD box helicase p68. <i>Journal of Experimental Medicine</i> , 1997 , 185, 695-705	16.6	112

277	Structural characterization of toxic cyclic peptides from blue-green algae by tandem mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989 , 86, 770-4	11.5	112
276	Characterization of phosphorylation sites on histone H1 isoforms by tandem mass spectrometry. <i>Journal of Proteome Research</i> , 2004 , 3, 1219-27	5.6	109
275	Identification of cyclin B1 as a shared human epithelial tumor-associated antigen recognized by T cells. <i>Journal of Experimental Medicine</i> , 2001 , 194, 1313-23	16.6	108
274	Optimization of capillary zone electrophoresis/electrospray ionization parameters for the mass spectrometry and tandem mass spectrometry analysis of peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 1992 , 3, 289-300	3.5	108
273	Analysis of protein phosphorylation by mass spectrometry. <i>Methods</i> , 2005 , 35, 256-64	4.6	107
272	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 <i>Mytilus edulis</i> . <i>Journal of the American Chemical Society</i> , 1994 , 116, 10803-10804	16.4	106
271	The HA-2 minor histocompatibility antigen is derived from a diallelic gene encoding a novel human class I myosin protein. <i>Journal of Immunology</i> , 2001 , 167, 3223-30	5.3	104
270	N-terminal alpha-methylation of RCC1 is necessary for stable chromatin association and normal mitosis. <i>Nature Cell Biology</i> , 2007 , 9, 596-603	23.4	103
269	Identification of histone H3 lysine 36 acetylation as a highly conserved histone modification. <i>Journal of Biological Chemistry</i> , 2007 , 282, 7632-40	5.4	103
268	A <i>Listeria monocytogenes</i> pentapeptide is presented to cytolytic T lymphocytes by the H2-M3 MHC class Ib molecule. <i>Immunity</i> , 1996 , 5, 73-9	32.3	103
267	Collision activated decompositions in mixture analysis with a triple quadrupole mass spectrometer. <i>Analytical Chemistry</i> , 1980 , 52, 386-390	7.8	103
266	mTOR-dependent stimulation of the association of eIF4G and eIF3 by insulin. <i>EMBO Journal</i> , 2006 , 25, 1659-68	13	102
265	Phosphorylation-dependent interaction between antigenic peptides and MHC class I: a molecular basis for the presentation of transformed self. <i>Nature Immunology</i> , 2008 , 9, 1236-43	19.1	101
264	The class I antigen-processing pathway for the membrane protein tyrosinase involves translation in the endoplasmic reticulum and processing in the cytosol. <i>Journal of Experimental Medicine</i> , 1998 , 187, 37-48	16.6	101
263	Proteome-wide prediction of acetylation substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13785-90	11.5	99
262	Susceptibility to ankylosing spondylitis correlates with the C-terminal residue of peptides presented by various HLA-B27 subtypes. <i>European Journal of Immunology</i> , 1997 , 27, 368-73	6.1	99
261	The proteolytic fragments generated by vertebrate proteasomes: structural relationships to major histocompatibility complex class I binding peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 8572-7	11.5	99
260	Molecular cloning, nuclear gene structure, and developmental expression of NADPH: protochlorophyllide oxidoreductase in pea (<i>Pisum sativum</i> L.). <i>Plant Molecular Biology</i> , 1992 , 18, 967-72	4.6	99

259	CDK9 regulates AR promoter selectivity and cell growth through serine 81 phosphorylation. <i>Molecular Endocrinology</i> , 2010 , 24, 2267-80		98
258	Chemical ionization mass spectrometry of salts and thermally labile organics with field desorption emitters as solids probes. <i>Analytical Chemistry</i> , 1977 , 49, 1160-1163	7.8	96
257	Surface-induced dissociation of peptide ions in Fourier-transform mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1990 , 1, 413-6	3.5	95
256	Protein phosphatase 1 regulates assembly and function of the beta-catenin degradation complex. <i>EMBO Journal</i> , 2007 , 26, 1511-21	13	94
255	The loss of female sex pheromone after mating in the corn earworm moth <i>Helicoverpa zea</i> : identification of a male pheromonostatic peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 5082-6	11.5	93
254	Posttranslational modification of CENP-A influences the conformation of centromeric chromatin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 11827-32	11.5	91
253	The minor histocompatibility antigen HA-3 arises from differential proteasome-mediated cleavage of the lymphoid blast crisis (Lbc) oncoprotein. <i>Blood</i> , 2003 , 102, 621-9	2.2	91
252	Tapasin is a facilitator, not an editor, of class I MHC peptide binding. <i>Journal of Immunology</i> , 2003 , 171, 5287-95	5.3	89
251	The enhancement of histone H4 and H2A serine 1 phosphorylation during mitosis and S-phase is evolutionarily conserved. <i>Chromosoma</i> , 2004 , 112, 360-71	2.8	89
250	Determination of active hydrogen in organic compounds by chemical ionization mass spectrometry. <i>Analytical Chemistry</i> , 1972 , 44, 1292-1294	7.8	88
249	The PANE1 gene encodes a novel human minor histocompatibility antigen that is selectively expressed in B-lymphoid cells and B-CLL. <i>Blood</i> , 2006 , 107, 3779-86	2.2	86
248	Identification and modulation of a naturally processed T cell epitope from the diabetes-associated autoantigen human glutamic acid decarboxylase 65 (hGAD65). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 1763-8	11.5	85
247	Specific recognition of thymic self-peptides induces the positive selection of cytotoxic T lymphocytes. <i>Immunity</i> , 1997 , 7, 221-31	32.3	84
246	Isolation and identification of a new diuretic peptide from the tobacco hornworm, <i>Manduca sexta</i> . <i>Biochemical and Biophysical Research Communications</i> , 1991 , 181, 927-32	3.4	84
245	Evidence for domain organization within the 61-kDa calmodulin-dependent cyclic nucleotide phosphodiesterase from bovine brain. <i>Biochemistry</i> , 1991 , 30, 7931-40	3.2	84
244	NRMT is an alpha-N-methyltransferase that methylates RCC1 and retinoblastoma protein. <i>Nature</i> , 2010 , 466, 1125-8	50.4	82
243	Tandem mass spectrometry for peptide and protein sequence analysis. <i>BioTechniques</i> , 2005 , 38, 519, 521, 523	2.5	82
242	Melanomas with concordant loss of multiple melanocytic differentiation proteins: immune escape that may be overcome by targeting unique or undefined antigens. <i>Cancer Immunology, Immunotherapy</i> , 2000 , 48, 661-72	7.4	82

241	Sequencing and characterization of trypsin modulating oostatic factor (TMOF) from the ovaries of the grey fleshfly, <i>Neobellieria (Sarcophaga) bullata</i> . <i>Regulatory Peptides</i> , 1994 , 50, 61-72		80
240	Identification of tumor-associated, MHC class II-restricted phosphopeptides as targets for immunotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12073-8	11.5	79
239	Proteomic, microarray, and signature-tagged mutagenesis analyses of anaerobic <i>Pseudomonas aeruginosa</i> at pH 6.5, likely representing chronic, late-stage cystic fibrosis airway conditions. <i>Journal of Bacteriology</i> , 2008 , 190, 2739-58	3.5	79
238	The Arabidopsis O-fucosyltransferase SPINDLY activates nuclear growth repressor DELLA. <i>Nature Chemical Biology</i> , 2017 , 13, 479-485	11.7	78
237	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. <i>Journal of Immunology</i> , 1994 , 152, 2874-81	5.3	78
236	Methods for analyzing peptides and proteins on a chromatographic timescale by electron-transfer dissociation mass spectrometry. <i>Nature Protocols</i> , 2008 , 3, 1709-17	18.8	77
235	Analysis of intact proteins on a chromatographic time scale by electron transfer dissociation tandem mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2007 , 259, 197-203	1.9	77
234	Modifications of human histone H3 variants during mitosis. <i>Biochemistry</i> , 2005 , 44, 13202-13	3.2	77
233	Hemolytic, but not cell-invasive activity, of adenylate cyclase toxin is selectively affected by differential fatty-acylation in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1995 , 270, 20250-3	5.4	76
232	Analysis of MHC class II antigen processing by quantitation of peptides that constitute nested sets. <i>Journal of Immunology</i> , 2002 , 169, 5089-97	5.3	74
231	Characterization of the histone H2A.Z-1 and H2A.Z-2 isoforms in vertebrates. <i>BMC Biology</i> , 2009 , 7, 86	7.3	72
230	Mass-spectrometric evaluation of HLA-A*0201-associated peptides identifies dominant naturally processed forms of CTL epitopes from MART-1 and gp100. <i>International Journal of Cancer</i> , 1999 , 82, 669-77	7.7	71
229	Modulation of c-Myb-induced transcription activation by a phosphorylation site near the negative regulatory domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 6429-33	11.5	71
228	Differences in the expression of human class I MHC alleles and their associated peptides in the presence of proteasome inhibitors. <i>Journal of Immunology</i> , 2001 , 167, 1212-21	5.3	70
227	Positive and negative chemical ionization mass spectrometry using a Townsend discharge ion source. <i>Analytical Chemistry</i> , 1975 , 47, 1730-1734	7.8	70
226	Trk activation of the ERK1/2 kinase pathway stimulates intermediate chain phosphorylation and recruits cytoplasmic dynein to signaling endosomes for retrograde axonal transport. <i>Journal of Neuroscience</i> , 2012 , 32, 15495-510	6.6	69
225	Acetylation of vertebrate H2A.Z and its effect on the structure of the nucleosome. <i>Biochemistry</i> , 2009 , 48, 5007-17	3.2	69
224	Periplasmic proteins of the extremophile <i>Acidithiobacillus ferrooxidans</i> : a high throughput proteomics analysis. <i>Molecular and Cellular Proteomics</i> , 2007 , 6, 2239-51	7.6	69

223	Immunodominance among EBV-derived epitopes restricted by HLA-B27 does not correlate with epitope abundance in EBV-transformed B-lymphoblastoid cell lines. <i>Journal of Immunology</i> , 2000 , 164, 6120-9	5.3	69
222	RLIP76 (RalBP1) is an R-Ras effector that mediates adhesion-dependent Rac activation and cell migration. <i>Journal of Cell Biology</i> , 2006 , 174, 877-88	7.3	67
221	T cell tolerance based on avidity thresholds rather than complete deletion allows maintenance of maximal repertoire diversity. <i>Journal of Immunology</i> , 2000 , 165, 25-33	5.3	66
220	Methods for the detection of paxillin post-translational modifications and interacting proteins by mass spectrometry. <i>Journal of Proteome Research</i> , 2005 , 4, 1832-41	5.6	65
219	Identification of Glycopeptides as Posttranslationally Modified Neoantigens in Leukemia. <i>Cancer Immunology Research</i> , 2017 , 5, 376-384	12.5	63
218	Histone H3 Thr 45 phosphorylation is a replication-associated post-translational modification in <i>S. cerevisiae</i> . <i>Nature Cell Biology</i> , 2010 , 12, 294-8	23.4	63
217	Ionization and mass analysis of nonvolatile compounds by particle bombardment tandem-quadrupole Fourier transform mass spectrometry. <i>Analytical Chemistry</i> , 1985 , 57, 765-8	7.8	63
216	Sequence analysis of polypeptides by collision activated dissociation on a triple quadrupole mass spectrometer. <i>Biological Mass Spectrometry</i> , 1981 , 8, 397-408		63
215	Diversity of aminopeptidases, derived from four lepidopteran gene duplications, and polycalins expressed in the midgut of <i>Helicoverpa armigera</i> : identification of proteins binding the delta-endotoxin, Cry1Ac of <i>Bacillus thuringiensis</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008 , 38, 685-96	4.5	62
214	A receptor for activated C kinase is part of messenger ribonucleoprotein complexes associated with polyA-mRNAs in neurons. <i>Journal of Neuroscience</i> , 2002 , 22, 8827-37	6.6	62
213	Otoconin-22, the major protein of aragonitic frog otoconia, is a homolog of phospholipase A2. <i>Biochemistry</i> , 1993 , 32, 5017-24	3.2	61
212	Use of differential isotopic labeling and mass spectrometry to analyze capacitation-associated changes in the phosphorylation status of mouse sperm proteins. <i>Journal of Proteome Research</i> , 2009 , 8, 1431-40	5.6	60
211	Amino acid sequence of the minor isomorph of the crustacean hyperglycemic hormone (CHH-II) of the Mexican crayfish <i>Procambarus bouvieri</i> (Ortmann): presence of a D-amino acid. <i>Peptides</i> , 1995 , 16, 1375-83	3.8	60
210	O-GlcNAcylation of master growth repressor DELLA by SECRET AGENT modulates multiple signaling pathways in <i>Arabidopsis</i> . <i>Genes and Development</i> , 2016 , 30, 164-76	12.6	59
209	Post-acquisition ETD spectral processing for increased peptide identifications. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 1435-40	3.5	59
208	Primary structure of the major isomorph of the crustacean hyperglycemic hormone (CHH-I) from the sinus gland of the Mexican crayfish <i>Procambarus bouvieri</i> (Ortmann): interspecies comparison. <i>Peptides</i> , 1993 , 14, 7-16	3.8	59
207	Identification of yin-yang regulators and a phosphorylation consensus for male germ cell-associated kinase (MAK)-related kinase. <i>Molecular and Cellular Biology</i> , 2006 , 26, 8639-54	4.8	58
206	Scheme for the Direct Analysis of Organics in the Environment by Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 1985 , 57, 525-537	7.8	58

205	Complementary IMAC enrichment methods for HLA-associated phosphopeptide identification by mass spectrometry. <i>Nature Protocols</i> , 2015 , 10, 1308-18	18.8	57
204	Simian virus 40 small t antigen mediates conformation-dependent transfer of protein phosphatase 2A onto the androgen receptor. <i>Molecular and Cellular Biology</i> , 2005 , 25, 1298-308	4.8	56
203	Analysis of histones in <i>Xenopus laevis</i> . I. A distinct index of enriched variants and modifications exists in each cell type and is remodeled during developmental transitions. <i>Journal of Biological Chemistry</i> , 2009 , 284, 1064-74	5.4	55
202	Peptide sequence analysis by laser photodissociation Fourier transform mass spectrometry. <i>Journal of the Chemical Society Chemical Communications</i> , 1987 , 548		55
201	Sequence homology in the metalloproteins; purple acid phosphatase from beef spleen and uteroferrin from porcine uterus. <i>Biochemical and Biophysical Research Communications</i> , 1987 , 144, 1154-60	3.4	54
200	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 5027-31	11.5	54
199	Mass spectrometry and characterization of <i>Aedes aegypti</i> trypsin modulating oostatic factor (TMOF) and its analogs. <i>Insect Biochemistry and Molecular Biology</i> , 1993 , 23, 703-12	4.5	53
198	Identification of Tyr-185 as the site of tyrosine autophosphorylation of recombinant mitogen-activated protein kinase p42mapk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 5779-83	11.5	53
197	A novel ESI source for coupling capillary electrophoresis and mass spectrometry: Sequence determination of tumor peptides at the attomole level. <i>Journal of Separation Science</i> , 1998 , 10, 281-285		52
196	Comprehensive phosphoprotein analysis of linker histone H1 from <i>Tetrahymena thermophila</i> . <i>Molecular and Cellular Proteomics</i> , 2006 , 5, 1593-609	7.6	52
195	GC/MS and MS/MS studies of diesel exhaust mutagenicity and emissions from chemically-defined fuels. <i>Environmental Science & Technology</i> , 1984 , 18, 428-34	10.3	51
194	Front-end electron transfer dissociation: a new ionization source. <i>Analytical Chemistry</i> , 2013 , 85, 8385-90	7.8	49
193	Isolation of NEB-LFamide, a novel myotropic neuropeptide from the grey fleshfly. <i>Molecular and Cellular Endocrinology</i> , 1996 , 117, 157-65	4.4	49
192	Direct analysis of tumor-associated peptide antigens. <i>Current Opinion in Immunology</i> , 1994 , 6, 733-40	7.8	49
191	Protein arginine methyltransferase Prmt5-Mep50 methylates histones H2A and H4 and the histone chaperone nucleoplasmin in <i>Xenopus laevis</i> eggs. <i>Journal of Biological Chemistry</i> , 2011 , 286, 42221-42231	5.4	48
190	Sorting of Pmel17 to melanosomes through the plasma membrane by AP1 and AP2: evidence for the polarized nature of melanocytes. <i>Journal of Cell Science</i> , 2006 , 119, 1080-91	5.3	48
189	Chemistry of (cycloheptatrienone)tricarboxyliron and (cycloheptadienone)tricarboxyliron in highly acidic media. <i>Journal of Organometallic Chemistry</i> , 1972 , 38, 349-365	2.3	48
188	Paxillin phosphorylation sites mapped by mass spectrometry. <i>Journal of Cell Science</i> , 2005 , 118, 4925-9	5.3	47

187	Chemical ionization mass spectrometry II. Differentiation of primary, secondary, and tertiary amines. <i>Tetrahedron Letters</i> , 1971 , 12, 4539-4542	2	47
186	Platelet Adhesion to Collagen Under Flow Causes Dissociation of a Phosphoprotein Complex of Heat-Shock Proteins and Protein Phosphatase 1. <i>Blood</i> , 1997 , 90, 1516-1526	2.2	46
185	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. <i>Molecular and Cellular Biology</i> , 2005 , 25, 6047-64	4.8	46
184	Nitric oxide chemical ionization mass spectra of olefins. <i>Analytical Chemistry</i> , 1975 , 47, 2136-2141	7.8	46
183	A Dual Inhibitory Mechanism Sufficient to Maintain Cell-Cycle-Restricted CENP-A Assembly. <i>Molecular Cell</i> , 2017 , 65, 231-246	17.6	45
182	A phosphorylated subpopulation of the histone variant macroH2A1 is excluded from the inactive X chromosome and enriched during mitosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1533-8	11.5	45
181	The isolation and identification of three diuretic kinins from the abdominal ventral nerve cord of adult <i>Helicoverpa zea</i> . <i>Journal of Insect Physiology</i> , 1995 , 41, 723-730	2.4	45
180	Novel function of prothymosin alpha as a potent inhibitor of human immunodeficiency virus type 1 gene expression in primary macrophages. <i>Journal of Virology</i> , 2006 , 80, 9200-6	6.6	44
179	Autoreactive cytotoxic T lymphocytes in human immunodeficiency virus type 1-infected subjects. <i>Journal of Experimental Medicine</i> , 1996 , 183, 2509-16	16.6	44
178	Complete primary structure of the molt-inhibiting hormone (MIH) of the Mexican crayfish <i>Procambarus bouvieri</i> (Ortmann). <i>Peptides</i> , 1996 , 17, 367-74	3.8	43
177	A distinct H2A.X isoform is enriched in <i>Xenopus laevis</i> eggs and early embryos and is phosphorylated in the absence of a checkpoint. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 749-54	11.5	42
176	Competition between two MHC binding registers in a single peptide processed from myelin basic protein influences tolerance and susceptibility to autoimmunity. <i>Journal of Experimental Medicine</i> , 2003 , 197, 1391-7	16.6	42
175	Talin phosphorylation sites mapped by mass spectrometry. <i>Journal of Cell Science</i> , 2005 , 118, 4921-3	5.3	42
174	FAK phosphorylation sites mapped by mass spectrometry. <i>Journal of Cell Science</i> , 2005 , 118, 4931-5	5.3	42
173	Mimosine targets serine hydroxymethyltransferase. <i>Journal of Biological Chemistry</i> , 1996 , 271, 2548-56	5.4	42
172	Argon-water mixtures as reagents for chemical ionization mass spectrometry. <i>Analytical Chemistry</i> , 1972 , 44, 1306-1309	7.8	42
171	Analysis of histones in <i>Xenopus laevis</i> . II. mass spectrometry reveals an index of cell type-specific modifications on H3 and H4. <i>Journal of Biological Chemistry</i> , 2009 , 284, 1075-85	5.4	41
170	Identification of the surfactant protein A receptor 210 as the unconventional myosin 18A. <i>Journal of Biological Chemistry</i> , 2005 , 280, 34447-57	5.4	41

169	Substrate specificity of mammalian N-terminal amino methyltransferase NRMT. <i>Biochemistry</i> , 2012 , 51, 5942-50	3.2	40
168	HLA class I binding motifs derived from random peptide libraries differ at the COOH terminus from those of eluted peptides. <i>Journal of Experimental Medicine</i> , 1997 , 185, 367-71	16.6	40
167	Cortactin phosphorylation sites mapped by mass spectrometry. <i>Journal of Cell Science</i> , 2006 , 119, 2851-2853	3.5	40
166	Escherichia coli alpha-hemolysin (HlyA) is heterogeneously acylated in vivo with 14-, 15-, and 17-carbon fatty acids. <i>Journal of Biological Chemistry</i> , 2000 , 275, 36698-702	5.4	40
165	GSK3- and PRMT-1-dependent modifications of desmoplakin control desmoplakin-cytoskeleton dynamics. <i>Journal of Cell Biology</i> , 2015 , 208, 597-612	7.3	39
164	TAB4 stimulates TAK1-TAB1 phosphorylation and binds polyubiquitin to direct signaling to NF-kappaB. <i>Journal of Biological Chemistry</i> , 2008 , 283, 19245-54	5.4	39
163	The Fanconi anemia core complex forms four complexes of different sizes in different subcellular compartments. <i>Journal of Biological Chemistry</i> , 2004 , 279, 26201-9	5.4	39
162	Oligopeptide sequence analysis by collision-activated dissociation of multiply charged ions. <i>Rapid Communications in Mass Spectrometry</i> , 1989 , 3, 122-4	2.2	38
161	Tandem quadrupole-Fourier transform mass spectrometry of oligopeptides. <i>Analytical Chemistry</i> , 1985 , 57, 2728-33	7.8	38
160	Methylation of histone H3K23 blocks DNA damage in pericentric heterochromatin during meiosis. <i>ELife</i> , 2014 , 3, e02996	8.9	38
159	Analyses of Histone Proteoforms Using Front-end Electron Transfer Dissociation-enabled Orbitrap Instruments. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 975-88	7.6	37
158	Optimization of electron transfer dissociation via informed selection of reagents and operating parameters. <i>Analytical Chemistry</i> , 2012 , 84, 1781-5	7.8	37
157	Structure elucidation of dinucleotides by mass spectrometry. <i>Biochemical and Biophysical Research Communications</i> , 1968 , 33, 378-83	3.4	37
156	Chemical ionization mass spectrometry studies. <i>Journal of Organometallic Chemistry</i> , 1972 , 43, 163-173	2.3	37
155	Identification of the Post-translational Modifications Present in Centromeric Chromatin. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 918-31	7.6	36
154	An experimentally derived database of candidate Ras-interacting proteins. <i>Journal of Proteome Research</i> , 2007 , 6, 1806-11	5.6	36
153	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. <i>Journal of Immunology</i> , 2006 , 177, 5440-50	5.3	36
152	FANCG is phosphorylated at serines 383 and 387 during mitosis. <i>Molecular and Cellular Biology</i> , 2004 , 24, 8576-85	4.8	36

151	Structure and expression of chloroplast-localized porphobilinogen deaminase from pea (<i>Pisum sativum</i> L.) isolated by redundant polymerase chain reaction. <i>Plant Physiology</i> , 1993 , 103, 139-47	6.6	36
150	Site-specific casein kinase 1 epsilon-dependent phosphorylation of Dishevelled modulates beta-catenin signaling. <i>FEBS Journal</i> , 2006 , 273, 4594-602	5.7	35
149	Identification by mass spectrometry of CD8(+) T-cell Mycobacterium tuberculosis epitopes within the Rv0341 gene product. <i>Infection and Immunity</i> , 2002 , 70, 2926-32	3.7	35
148	Analysis of organics in the environment by functional group using a triple quadrupole mass spectrometer. <i>Journal of Chromatography A</i> , 1983 , 271, 93-105	4.5	35
147	Nitric oxide chemical ionization mass spectra of alkanes. <i>Analytical Chemistry</i> , 1975 , 47, 1965-1969	7.8	35
146	Negative regulation of LRP6 function by casein kinase I epsilon phosphorylation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 12233-41	5.4	34
145	Proteomic characterization of messenger ribonucleoprotein complexes bound to nontranslated or translated poly(A) mRNAs in the rat cerebral cortex. <i>Journal of Biological Chemistry</i> , 2005 , 280, 6496-503	5.4	34
144	Gas channels for NH(3): proteins from hyperthermophiles complement an Escherichia coli mutant. <i>Journal of Bacteriology</i> , 2002 , 184, 3396-400	3.5	34
143	MS/MS analysis of diesel emissions and fuels treated with NO2. <i>Journal of Applied Toxicology</i> , 1982 , 2, 231-7	4.1	34
142	Use of selected reaction monitoring mass spectrometry for the detection of specific MHC class I peptide antigens on A3 supertype family members. <i>Cancer Immunology, Immunotherapy</i> , 2005 , 54, 359-71	7.4	33
141	Analysis of proteins and peptides on a chromatographic timescale by electron-transfer dissociation MS. <i>FEBS Journal</i> , 2007 , 274, 6269-76	5.7	32
140	Interlaboratory Study for Characterizing Monoclonal Antibodies by Top-Down and Middle-Down Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 1783-1802	3.5	32
139	Developmentally Regulated Post-translational Modification of Nucleoplasmin Controls Histone Sequestration and Deposition. <i>Cell Reports</i> , 2015 , 10, 1735-1748	10.6	31
138	O-Linked N-acetylglucosamine (O-GlcNAc) regulates emerin binding to barrier to autointegration factor (BAF) in a chromatin- and lamin B-enriched "niche". <i>Journal of Biological Chemistry</i> , 2013 , 288, 30192-30209	5.4	31
137	Expression of Aedes trypsin-modulating oostatic factor on the virion of TMV: A potential larvicide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 18963-8	11.5	31
136	Protein profile of osteoarthritic human articular cartilage using tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 2999-3006	2.2	31
135	Protein digestion and phosphopeptide enrichment on a glass microchip. <i>Analytica Chimica Acta</i> , 2006 , 564, 116-22	6.6	31
134	Cytosolic malate dehydrogenase confers selectivity of the nucleic acid-conducting channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 1707-12	11.5	31

133	Primary structures of two proteins from the venom of the Mexican red knee tarantula (<i>Brachypelma smithii</i>). <i>Toxicon</i> , 1994 , 32, 1083-93	2.8	31
132	Gln-41 is intermolecularly cross-linked to Lys-113 in F-actin by N-(4-azidobenzoyl)-putrescine. <i>Protein Science</i> , 1992 , 1, 132-44	6.3	31
131	Shared peptide binding of HLA Class I and II alleles associate with cutaneous nevirapine hypersensitivity and identify novel risk alleles. <i>Scientific Reports</i> , 2017 , 7, 8653	4.9	30
130	G protein gamma subunits with altered prenylation sequences are properly modified when expressed in Sf9 cells. <i>Journal of Biological Chemistry</i> , 1996 , 271, 18582-7	5.4	30
129	Domain identification of hormone-sensitive lipase by circular dichroism and fluorescence spectroscopy, limited proteolysis, and mass spectrometry. <i>Journal of Biological Chemistry</i> , 1999 , 274, 15382-8	5.4	30
128	The complete sequence of the acidic subunit from Mojave toxin determined by Edman degradation and mass spectrometry. <i>BBA - Proteins and Proteomics</i> , 1990 , 1037, 413-21		30
127	Analysis of Monoclonal Antibody Sequence and Post-translational Modifications by Time-controlled Proteolysis and Tandem Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 1479-88	7.6	29
126	Structural basis for the presentation of tumor-associated MHC class II-restricted phosphopeptides to CD4+ T cells. <i>Journal of Molecular Biology</i> , 2010 , 399, 596-603	6.5	29
125	The characterization of amphibian nucleoplasmins yields new insight into their role in sperm chromatin remodeling. <i>BMC Genomics</i> , 2006 , 7, 99	4.5	29
124	Determination of organosulfur compounds in hydrocarbon matrixes by collision activated dissociation mass spectrometry. <i>Analytical Chemistry</i> , 1982 , 54, 574-578	7.8	29
123	Heptafulvenetricarbonyliron. <i>Journal of Organometallic Chemistry</i> , 1971 , 30, C22-C24	2.3	29
122	Pepsin-Containing Membranes for Controlled Monoclonal Antibody Digestion Prior to Mass Spectrometry Analysis. <i>Analytical Chemistry</i> , 2015 , 87, 10942-9	7.8	28
121	Phosphorylation by casein kinase 2 regulates Nap1 localization and function. <i>Molecular and Cellular Biology</i> , 2008 , 28, 1313-25	4.8	28
120	Cortactin phosphorylation sites mapped by mass spectrometry. <i>Journal of Cell Science</i> , 2006 , 119, 2851-3.3	3.3	28
119	A regulatory motif in nonmuscle myosin II-B regulates its role in migratory front-back polarity. <i>Journal of Cell Biology</i> , 2015 , 209, 23-32	7.3	27
118	Front-End Electron Transfer Dissociation Coupled to a 21 Tesla FT-ICR Mass Spectrometer for Intact Protein Sequence Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1787-1795	3.5	27
117	O-GlcNAc modification of the coat protein of the potyvirus Plum pox virus enhances viral infection. <i>Virology</i> , 2013 , 442, 122-31	3.6	27
116	The antigenic identity of human class I MHC phosphopeptides is critically dependent upon phosphorylation status. <i>Oncotarget</i> , 2017 , 8, 54160-54172	3.3	27

115	Canonical and Cross-reactive Binding of NK Cell Inhibitory Receptors to HLA-C Allotypes Is Dictated by Peptides Bound to HLA-C. <i>Frontiers in Immunology</i> , 2017 , 8, 193	8.4	26
114	Comprehensive analysis of phosphorylation sites in Tensin1 reveals regulation by p38MAPK. <i>Molecular and Cellular Proteomics</i> , 2010 , 9, 2853-63	7.6	26
113	Identification of a novel marker for primordial smooth muscle and its differential expression pattern in contractile vs noncontractile cells. <i>Journal of Cell Biology</i> , 1997 , 137, 925-37	7.3	26
112	A cardioactive peptide from the southern armyworm, <i>Spodoptera eridania</i> . <i>Peptides</i> , 1999 , 20, 53-61	3.8	26
111	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. <i>Annals of the New York Academy of Sciences</i> , 1988 , 538, 10-24	6.5	26
110	Smac is required for cytochrome c-induced apoptosis in prostate cancer LNCaP cells. <i>Cancer Research</i> , 2002 , 62, 18-23	10.1	26
109	Identification and Characterization of Complex Glycosylated Peptides Presented by the MHC Class II Processing Pathway in Melanoma. <i>Journal of Proteome Research</i> , 2017 , 16, 228-237	5.6	25
108	The amino acid sequence of the acidic subunit B-chain of crotoxin. <i>BBA - Proteins and Proteomics</i> , 1990 , 1040, 217-24		25
107	Site-Specific Zwitterionic Polymer Conjugates of a Protein Have Long Plasma Circulation. <i>ChemBioChem</i> , 2015 , 16, 2451-5	3.8	24
106	Protein derivatization and sequential ion/ion reactions to enhance sequence coverage produced by electron transfer dissociation mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2015 , 377, 617-624	1.9	23
105	Identification of phosphorylation sites in GIT1. <i>Journal of Cell Science</i> , 2006 , 119, 2847-2850	5.3	23
104	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. <i>Journal of Organic Chemistry</i> , 1982 , 47, 738-741	4.2	23
103	Stable transition metal .pi. complex of dimethylaminopentalene. <i>Journal of the American Chemical Society</i> , 1972 , 94, 7198-7199	16.4	23
102	MHC-restricted phosphopeptide antigens: preclinical validation and first-in-humans clinical trial in participants with high-risk melanoma 2020 , 8,		22
101	Intestinal cell kinase (ICK) promotes activation of mTOR complex 1 (mTORC1) through phosphorylation of Raptor Thr-908. <i>Journal of Biological Chemistry</i> , 2012 , 287, 12510-9	5.4	22
100	Identification of phosphorylation sites in betaPIX and PAK1. <i>Journal of Cell Science</i> , 2007 , 120, 3911-8	5.3	22
99	Phosphorylation and arginine methylation mark histone H2A prior to deposition during <i>Xenopus laevis</i> development. <i>Epigenetics and Chromatin</i> , 2014 , 7, 22	5.8	21
98	O-GlcNAcylation of the Plum pox virus capsid protein catalyzed by SECRET AGENT: characterization of O-GlcNAc sites by electron transfer dissociation mass spectrometry. <i>Amino Acids</i> , 2011 , 40, 869-76	3.5	21

97	Proteomic analysis and identification of the structural and regulatory proteins of the <i>Rhodobacter capsulatus</i> gene transfer agent. <i>Journal of Proteome Research</i> , 2009 , 8, 967-73	5.6	21
96	Oxygen as a reagent gas for the analysis of 2,3,7,8-tetrachlorodibenzo-p-dioxin by negative ion chemical ionization mass spectrometry. <i>Journal of the Chemical Society Chemical Communications</i> , 1975 , 151		21
95	The 7-norbornadienyltricarbonyliron cation. <i>Journal of the American Chemical Society</i> , 1968 , 90, 2561-2568	6.4	21
94	Site-specific phosphorylation of the DNA damage response mediator rad9 by cyclin-dependent kinases regulates activation of checkpoint kinase 1. <i>PLoS Genetics</i> , 2013 , 9, e1003310	6	20
93	Identification and origin of N-linked D-N-acetylglucosamine monosaccharide modifications on Arabidopsis proteins. <i>Plant Physiology</i> , 2013 , 161, 455-64	6.6	20
92	Ion-Ion Proton Transfer and Parallel Ion Parking for the Analysis of Mixtures of Intact Proteins on a Modified Orbitrap Mass Analyzer. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 2163-2173	3.5	19
91	C-terminal phosphorylation of murine testis-specific histone H1t in elongating spermatids. <i>Journal of Proteome Research</i> , 2008 , 7, 4070-8	5.6	19
90	HDM2-binding partners: interaction with translation elongation factor EF1alpha. <i>Journal of Proteome Research</i> , 2007 , 6, 1410-7	5.6	19
89	The effect of configuration of gas phase protonated ethenedicarboxylates on their low energy collision induced dissociation behaviour. <i>Organic Mass Spectrometry</i> , 1984 , 19, 238-240		19
88	Phenylpentalenediiron pentacarbonyl. <i>Journal of Organometallic Chemistry</i> , 1972 , 46, C22-C24	2.3	19
87	Chemical ionization mass spectrometry studiesVII: Deuterium labeled decanes. <i>Organic Mass Spectrometry</i> , 1973 , 7, 441-448		19
86	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. <i>Immunogenetics</i> , 2013 , 65, 371-86	3.2	18
85	Structure-based design of altered MHC class II-restricted peptide ligands with heterogeneous immunogenicity. <i>Journal of Immunology</i> , 2013 , 191, 5097-106	5.3	18
84	Distinct orientation of the alloreactive monoclonal CD8 T cell activation program by three different peptide/MHC complexes. <i>European Journal of Immunology</i> , 2006 , 36, 1856-66	6.1	18
83	Identification of novel and widely expressed cancer/testis gene isoforms that elicit spontaneous cytotoxic T-lymphocyte reactivity to melanoma. <i>Cancer Research</i> , 2004 , 64, 1157-63	10.1	18
82	Protamines of reptiles. <i>Journal of Biological Chemistry</i> , 1996 , 271, 23547-57	5.4	18
81	Identification of proctolin in the central nervous system of the horseshoe crab, <i>Limulus polyphemus</i> . <i>Peptides</i> , 1990 , 11, 205-11	3.8	18
80	Nitric oxide chemical ionization mass spectrometry of alcohols. <i>Analytical Chemistry</i> , 1982 , 54, 492-496	7.8	18

79	Identification of phosphorylation sites in GIT1. <i>Journal of Cell Science</i> , 2006 , 119, 2847-50	5.3	18
78	Sequencing the Primordial Soup 2000 , 163-177		18
77	O-GlcNAc Site Mapping by Using a Combination of Chemoenzymatic Labeling, Copper-Free Click Chemistry, Reductive Cleavage, and Electron-Transfer Dissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2019 , 91, 2620-2625	7.8	17
76	A novel model to identify interaction partners of the PTEN tumor suppressor gene in human bladder cancer. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 352, 549-55	3.4	17
75	Weak agonist self-peptides promote selection and tuning of virus-specific T cells. <i>European Journal of Immunology</i> , 2003 , 33, 685-96	6.1	17
74	Personal commentary on proteomics. <i>Journal of Proteome Research</i> , 2002 , 1, 15-9	5.6	17
73	Protonation of norbornadienetricarbonyliron. <i>Journal of the American Chemical Society</i> , 1967 , 89, 6387-6389	6.2	17
72	A hyperglycemic peptide hormone from the Caribbean shrimp <i>Penaeus (litopenaeus) schmitti</i> . <i>Peptides</i> , 2000 , 21, 331-8	3.8	16
71	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. <i>Biochemistry</i> , 1991 , 30, 656-62	3.2	16
70	Chemical ionization mass spectrometry studies. Nitric oxide as a reagent gas. <i>Journal of the Chemical Society Chemical Communications</i> , 1972 , 620		16
69	Conversion of olefins to ethylene ketals with mercuric acetate and palladium chloride. <i>Tetrahedron Letters</i> , 1972 , 13, 3595-3598	2	15
68	Inhibition of tristetraprolin deadenylation by poly(A) binding protein. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, G421-30	5.1	14
67	Nuclear import of TFIIB is mediated by Kap114p, a karyopherin with multiple cargo-binding domains. <i>Molecular Biology of the Cell</i> , 2005 , 16, 3200-10	3.5	14
66	Tandem quadrupole fourier transform mass spectrometry. <i>Analytica Chimica Acta</i> , 1989 , 225, 1-10	6.6	14
65	Analysis of tryptic peptides from the C-terminal region of alpha-crystallin from cataractous and normal human lenses. <i>Experimental Eye Research</i> , 1990 , 50, 695-702	3.7	14
64	Amino acid sequence analysis of the neuronal type II calmodulin-dependent protein kinase by tandem mass spectrometry. <i>Biochemical and Biophysical Research Communications</i> , 1987 , 148, 1104-9	3.4	14
63	Chemical ionization mass spectrometry studies. I. Identification of alcohols. <i>Tetrahedron Letters</i> , 1971 , 12, 4535-4538	2	14
62	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. <i>FEBS Letters</i> , 1995 , 367, 237-40	3.8	13

61	Iron carbonyl complexes of pentalene and dihydropentalene. <i>Journal of Organometallic Chemistry</i> , 1976 , 104, 373-376	2.3	13
60	C. elegans pur alpha, an activator of end-1, synergizes with the Wnt pathway to specify endoderm. <i>Developmental Biology</i> , 2009 , 327, 12-23	3.1	12
59	Conservation of minor histocompatibility antigens between human and non-human primates. <i>European Journal of Immunology</i> , 1996 , 26, 2680-5	6.1	12
58	Binding of function-blocking mAbs to mouse and human P-selectin glycoprotein ligand-1 peptides with and without tyrosine sulfation. <i>Journal of Leukocyte Biology</i> , 2002 , 72, 470-7	6.5	12
57	Characterization of a helix-loop-helix (EF hand) motif of silver hake parvalbumin isoform B. <i>Protein Science</i> , 1997 , 6, 2397-408	6.3	11
56	Phosphorylation coexists with O-GlcNAcylation in a plant virus protein and influences viral infection. <i>Molecular Plant Pathology</i> , 2018 , 19, 1427-1443	5.7	10
55	Impaired assembly results in the accumulation of multiple HLA-C heavy chain folding intermediates. <i>Journal of Immunology</i> , 2005 , 175, 6651-8	5.3	10
54	Mosquito Oostatic Hormone. <i>ACS Symposium Series</i> , 1991 , 133-142	0.4	10
53	Simulation of electron impact mass spectra by charge exchange in chemical ionization mass spectrometry. <i>Analytical Chemistry</i> , 1984 , 56, 1111-1114	7.8	10
52	The amino acid sequence of delta haemolysin purified from a canine isolate of S. aureus. <i>FEBS Letters</i> , 1984 , 169, 25-29	3.8	10
51	Peptide Sequence Analysis by Electron Transfer Dissociation Mass Spectrometry: A Web-Based Tutorial. <i>Journal of the American Society for Mass Spectrometry</i> , 2015 , 26, 1256-8	3.5	9
50	OGT (-GlcNAc Transferase) Selectively Modifies Multiple Residues Unique to Lamin A. <i>Cells</i> , 2018 , 7,	7.9	9
49	Identification of a shared epitope recognized by melanoma-specific, HLA-A3-restricted cytotoxic T lymphocytes. <i>Immunology Letters</i> , 2003 , 90, 131-5	4.1	9
48	Tyrosine Phosphorylation of the Myosin Regulatory Light Chain Controls Non-muscle Myosin II Assembly and Function in Migrating Cells. <i>Current Biology</i> , 2020 , 30, 2446-2458.e6	6.3	8
47	Acyclovir Has Low but Detectable Influence on HLA-B*57:01 Specificity without Inducing Hypersensitivity. <i>PLoS ONE</i> , 2015 , 10, e0124878	3.7	8
46	Identification of a 17beta-hydroxysteroid dehydrogenase type 12 pseudogene as the source of a highly restricted BALB/c Meth A tumor rejection peptide. <i>Cancer Immunology, Immunotherapy</i> , 2010 , 59, 113-24	7.4	8
45	The isolation of parvalbumin isoforms from the tail muscle of the American alligator (Alligator mississippiensis). <i>Journal of Inorganic Biochemistry</i> , 1997 , 66, 67-76	4.2	8
44	Mass spectrometric identification of phosphorylation sites of rRNA transcription factor upstream binding factor. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 292, C1617-24	5.4	8

43	Determination of molecular compositions on a quadrupole mass spectrometer by pulsed positive ion negative ion chemical ionization mass spectrometry. <i>Analytical Chemistry</i> , 1977 , 49, 1884-1884	7.8	8
42	Mitogen-activated protein kinase signaling mediates phosphorylation of polycomb ortholog Cbx7. <i>Journal of Biological Chemistry</i> , 2013 , 288, 36398-408	5.4	7
41	Preventing the spontaneous modification of an HLA-A2-restricted peptide at an N-terminal glutamine or an internal cysteine residue enhances peptide antigenicity. <i>Journal of Immunotherapy</i> , 2004 , 27, 177-83	5	7
40	Isolation and Characterization of Naturally Processed Peptides Bound by Class II Molecules and Peptides Presented by Normal and Mutant Antigen-Presenting Cells. <i>Chemical Immunology and Allergy</i> , 1993 , 57, 152-165		7
39	Application of low energy CID in the determination of structures of [M+halogen] ⁺ ions obtained from diethyl halosuccinates under electron impact. <i>Organic Mass Spectrometry</i> , 1987 , 22, 61-63		7
38	Direct Target Site Identification of a Sulfonyl-Triazole Covalent Kinase Probe by LC-MS Chemical Proteomics. <i>Analytical Chemistry</i> , 2021 , 93, 11946-11955	7.8	7
37	Murine xenograft bioreactors for human immunopeptidome discovery. <i>Scientific Reports</i> , 2019 , 9, 18558	4.9	6
36	Protamines from liverwort are produced by post-translational cleavage and C-terminal di-aminopropanelation of several male germ-specific H1 histones. <i>Journal of Biological Chemistry</i> , 2019 , 294, 16364-16373	5.4	6
35	Mass Spectrometric Methods for Peptide Sequencing: Applications to Immunology and Protein Acylation 1996 , 281-305		6
34	The common equine class I molecule Eqca-1*00101 (ELA-A3.1) is characterized by narrow peptide binding and T cell epitope repertoires. <i>Immunogenetics</i> , 2015 , 67, 675-89	3.2	5
33	Pulsed Positive Ion-Negative Ion Chemical Ionization Mass Spectrometry of Animal Drugs: Sulfonamides. <i>Journal of the Association of Official Analytical Chemists</i> , 1980 , 63, 452-459		5
32	Solvolysis and dissociation of 7-substituted norbornadiene Group VIb metal tetracarbonyls. <i>Inorganic Chemistry</i> , 1969 , 8, 446-450	5.1	5
31	Characterization of the peptide binding specificity of the HLA class I alleles B*38:01 and B*39:06. <i>Immunogenetics</i> , 2016 , 68, 231-6	3.2	4
30	Increasing peptide identifications and decreasing search times for ETD spectra by pre-processing and calculation of parent precursor charge. <i>Proteome Science</i> , 2012 , 10, 8	2.6	4
29	Fourier Transform Mass Spectrometry of Large (m/z >5,000) Biomolecules. <i>ACS Symposium Series</i> , 1987 , 100-115	0.4	4
28	SEQUENCE ANALYSIS OF PROTEIN C-TERMINAL PROTEOLYTIC FRAGMENTS, PROTEIN ISOLATED FROM 2D-GELS, AND MURINE CALBINDIN: NEW METHODOLOGY 1989 , 168-175		4
27	Use of tandem mass spectrometry for MHC ligand analysis 1996 , 603-623		4
26	Isolation and Characterization of Naturally Processed Peptides Bound by Class II Molecules and Peptides Presented by Normal and Mutant Antigen-Presenting Cells. <i>Chemical Immunology and Allergy</i> , 1993 , 57, 152-165		3

25	Differential-Expression Proteomics for the Study of Sulfur Metabolism in the Chemolithoautotrophic Acidithiobacillus ferrooxidans 2008 , 77-86		3
24	Protein Sequence Analysis by Tandem Quadrupole Fourier Transform Mass Spectrometry 1989 , 183-190		3
23	Advanced Strategies for Proton-Transfer Reactions Coupled with Parallel Ion Parking on a 21 T FT-ICR MS for Intact Protein Analysis. <i>Analytical Chemistry</i> , 2021 , 93, 9119-9128	7.8	3
22	Deciphering the Enigma of the Histone H2A.Z-1/H2A.Z-2 Isoforms: Novel Insights and Remaining Questions. <i>Cells</i> , 2020 , 9,	7.9	2
21	Identification of the peptide-binding motif recognized by the pigtail macaque class I MHC molecule Mane-A1*082:01 (Mane A*0301). <i>Immunogenetics</i> , 2012 , 64, 461-8	3.2	2
20	Predominant occupation of the class I MHC molecule H-2Kwm7 with a single self-peptide suggests a mechanism for its diabetes-protective effect. <i>International Immunology</i> , 2010 , 22, 191-203	4.9	2
19	Transcriptomic and proteomic regulation through abundant, dynamic, and independent arginine methylation by Type I and Type II PRMTs		2
18	Transcription factor binding at Ig enhancers is linked to somatic hypermutation targeting. <i>European Journal of Immunology</i> , 2020 , 50, 380-395	6.1	2
17	MHC Phosphopeptides: Promising Targets for Immunotherapy of Cancer and Other Chronic Diseases. <i>Molecular and Cellular Proteomics</i> , 2021 , 20, 100112	7.6	2
16	Unambiguous Sequence Characterization of a Monoclonal Antibody in a Single Analysis Using a Nonspecific Immobilized Enzyme Reactor. <i>Analytical Chemistry</i> , 2019 , 91, 13547-13554	7.8	1
15	Sequencing a Bispecific Antibody by Controlling Chain Concentration Effects When Using an Immobilized Nonspecific Protease. <i>Analytical Chemistry</i> , 2020 , 92, 10470-10477	7.8	1
14	Serum protein immunogenicity: implications for liver xenografting. <i>Electrophoresis</i> , 2000 , 21, 965-75	3.6	1
13	Immune Targeting of the Phosphoproteome in Lymphoma and Leukemia.. <i>Blood</i> , 2007 , 110, 285-285	2.2	1
12	Platelet Adhesion to Collagen Under Flow Causes Dissociation of a Phosphoprotein Complex of Heat-Shock Proteins and Protein Phosphatase 1. <i>Blood</i> , 1997 , 90, 1516-1526	2.2	1
11	Improved Sequence Analysis of Intact Proteins by Parallel Ion Parking during Electron Transfer Dissociation. <i>Analytical Chemistry</i> , 2021 , 93, 15728-15735	7.8	1
10	LASER PHOTODISSOCIATION FOURIER TRANSFORM MASS SPECTROMETRY: NEW METHODOLOGY FOR SEQUENCE ANALYSIS OF OLIGOPEPTIDES AND LOCATION OF DISULFIDE BONDS 1989 , 160-167		1
9	Independent transcriptomic and proteomic regulation by type I and II protein arginine methyltransferases. <i>IScience</i> , 2021 , 24, 102971	6.1	1
8	Selective Reagents for Chemical Ionization Mass Spectrometry 1973 , 359-376		1

7	Tumor Infiltrating Lymphocytes Target HLA-I Phosphopeptides Derived From Cancer Signaling in Colorectal Cancer. <i>Frontiers in Immunology</i> , 2021 , 12, 723566	8.4	o
6	Peptide-binding motifs of two common equine class I MHC molecules in Thoroughbred horses. <i>Immunogenetics</i> , 2017 , 69, 351-358	3.2	
5	Nitrogen-Containing Aromatic Radical Anions Perform Multiple Proton and Electron Transfers Near-Simultaneously with Multiply Protonated Cations. <i>Analytical Chemistry</i> , 2021 , 93, 14365-14368	7.8	
4	The Immunogenicity of a Human Lymphoid Cell-Restricted Minor Histocompatibility Antigen Results from Differential Protein Translation.. <i>Blood</i> , 2004 , 104, 305-305	2.2	
3	A PGC-1 β -GlcNAc Transferase Complex Regulates Foxo1a Activation in Response to Glucose. <i>FASEB Journal</i> , 2008 , 22, 613.1	0.9	
2	PROTEIN AND OLIGOPEPTIDE SEQUENCE ANALYSIS ON THE TSQ-70 TRIPLE QUADRUPOLE MASS SPECTROMETER 1990 , 117-126		
1	Immunologically Targeting the Leukaemia Phosphoproteome. <i>Blood</i> , 2010 , 116, 1016-1016	2.2	