

Andrej Shevchenko

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

195
papers

42,089
citations

89
h-index

205
g-index

213
ext. papers

46,298
ext. citations

10.5
avg, IF

7.04
L-index

#	Paper	IF	Citations
195	Hepatic Hedgehog Signaling Participates in the Crosstalk between Liver and Adipose Tissue in Mice by Regulating FGF21. <i>Cells</i> , 2022 , 11, 1680	7.9	0
194	Abnormal accumulation of lipid droplets in neurons induces the conversion of alpha-Synuclein to proteolytic resistant forms in a Drosophila model of Parkinson's disease. <i>PLoS Genetics</i> , 2021 , 17, e1009921	6.6	3
193	Loss of hepatic Mboat7 leads to liver fibrosis. <i>Gut</i> , 2021 , 70, 940-950	19.2	35
192	Nonalcoholic fatty liver disease stratification by liver lipidomics. <i>Journal of Lipid Research</i> , 2021 , 62, 100104	10.4	5
191	Hormone-sensitive lipase couples intergenerational sterol metabolism to reproductive success. <i>ELife</i> , 2021 , 10,	8.9	3
190	Shotgun lipidomics and mass spectrometry imaging unveil diversity and dynamics in lipid composition. <i>IScience</i> , 2021 , 24, 102115	6.1	3
189	Quality control requirements for the correct annotation of lipidomics data. <i>Nature Communications</i> , 2021 , 12, 4771	17.4	16
188	The Colorectal Cancer Lipidome: Identification of a Robust Tumor-Specific Lipid Species Signature. <i>Gastroenterology</i> , 2021 , 161, 910-923.e19	13.3	13
187	Phosphoinositide Profile of the Mouse Retina. <i>Cells</i> , 2020 , 9,	7.9	6
186	A metabolic switch regulates the transition between growth and diapause in <i>C. elegans</i> . <i>BMC Biology</i> , 2020 , 18, 31	7.3	20
185	Sterols as dietary markers for <i>Drosophila melanogaster</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 158683	5	9
184	Live-cell lipid biochemistry reveals a role of diacylglycerol side-chain composition for cellular lipid dynamics and protein affinities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 7729-7738	11.5	19
183	Hydroxylated sphingolipid biosynthesis regulates photoreceptor apical domain morphogenesis. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	5
182	Shotgun lipidomics-based characterization of the landscape of lipid metabolism in colorectal cancer. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 158579	5	26
181	How to use the development of individual <i>Drosophila</i> larvae as a metabolic sensor. <i>Journal of Insect Physiology</i> , 2020 , 126, 104095	2.4	1
180	Absolute Quantification of Proteins in the Eye of <i>Drosophila melanogaster</i> . <i>Proteomics</i> , 2020 , 20, e1900049	4.9	1
179	Exogenous ethanol induces a metabolic switch that prolongs the survival of <i>Caenorhabditis elegans</i> dauer larva and enhances its resistance to desiccation. <i>Aging Cell</i> , 2020 , 19, e13214	9.9	4

178	Quantitative Fragmentation Model for Bottom-Up Shotgun Lipidomics. <i>Analytical Chemistry</i> , 2019 , 91, 12085-12093	7.8	11
177	Body size-dependent energy storage causes Kleiber's law scaling of the metabolic rate in planarians. <i>ELife</i> , 2019 , 8,	8.9	31
176	Tick-tock hedgehog-mutual crosstalk with liver circadian clock promotes liver steatosis. <i>Journal of Hepatology</i> , 2019 , 70, 1192-1202	13.4	12
175	Acetyl-CoA carboxylase 1-dependent lipogenesis promotes autophagy downstream of AMPK. <i>Journal of Biological Chemistry</i> , 2019 , 294, 12020-12039	5.4	13
174	Sterile activation of invariant natural killer T cells by ER-stressed antigen-presenting cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23671-23681	11.5	9
173	Disrupted Blood-Retina Lysophosphatidylcholine Transport Impairs Photoreceptor Health But Not Visual Signal Transduction. <i>Journal of Neuroscience</i> , 2019 , 39, 9689-9701	6.6	15
172	Analytical challenges in human plasma lipidomics: A winding path towards the truth. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 120, 115277	14.6	11
171	Changes in Visceral Adipose Tissue Plasma Membrane Lipid Composition in Old Rats Are Associated With Adipocyte Hypertrophy With Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 1139-1146	6.4	11
170	Shotgun Lipidomics Combined with Laser Capture Microdissection: A Tool To Analyze Histological Zones in Cryosections of Tissues. <i>Analytical Chemistry</i> , 2018 , 90, 9868-9878	7.8	14
169	MS-based lipidomics of human blood plasma: a community-initiated position paper to develop accepted guidelines. <i>Journal of Lipid Research</i> , 2018 , 59, 2001-2017	6.3	146
168	MS Western, a Method of Multiplexed Absolute Protein Quantification is a Practical Alternative to Western Blotting. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 384-396	7.6	15
167	A Temperature-Dependent Switch in Feeding Preference Improves Drosophila Development and Survival in the Cold. <i>Developmental Cell</i> , 2018 , 46, 781-793.e4	10.2	36
166	The Diurnal Timing of Starvation Differently Impacts Murine Hepatic Gene Expression and Lipid Metabolism - A Systems Biology Analysis Using Self-Organizing Maps. <i>Frontiers in Physiology</i> , 2018 , 9, 1180	4.6	8
165	Tolerogenic versus Immunogenic Lipidomic Profiles of CD11c Immune Cells and Control of Immunogenic Dendritic Cell Ceramide Dynamics. <i>Journal of Immunology</i> , 2017 , 198, 4360-4372	5.3	2
164	Intensity-Independent Noise Filtering in FT MS and FT MS/MS Spectra for Shotgun Lipidomics. <i>Analytical Chemistry</i> , 2017 , 89, 7046-7052	7.8	34
163	Serum Proteases Potentiate BMP-Induced Cell Cycle Re-entry of Dedifferentiating Muscle Cells during Newt Limb Regeneration. <i>Developmental Cell</i> , 2017 , 40, 608-617.e6	10.2	24
162	Characterization of mutants as a model for lysosomal sphingolipid storage diseases. <i>DMM Disease Models and Mechanisms</i> , 2017 , 10, 737-750	4.1	6
161	Harmonizing lipidomics: NIST interlaboratory comparison exercise for lipidomics using SRM 1950-Metabolites in Frozen Human Plasma. <i>Journal of Lipid Research</i> , 2017 , 58, 2275-2288	6.3	220

160	Spatiotemporal Control of Lipid Conversion, Actin-Based Mechanical Forces, and Curvature Sensors during Clathrin/AP-1-Coated Vesicle Biogenesis. <i>Cell Reports</i> , 2017 , 20, 2087-2099	10.6	17
159	Monitoring Membrane Lipidome Turnover by Metabolic N Labeling and Shotgun Ultra-High-Resolution Orbitrap Fourier Transform Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 12857-12865	7.8	28
158	Lipidomics of Human Blood Plasma by High-Resolution Shotgun Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2017 , 1619, 203-212	1.4	20
157	Competition between histone and transcription factor binding regulates the onset of transcription in zebrafish embryos. <i>ELife</i> , 2017 , 6,	8.9	75
156	Open sesame: Identification of sesame oil and oil soot ink in organic deposits of Tang Dynasty lamps from Astana necropolis in China. <i>PLoS ONE</i> , 2017 , 12, e0158636	3.7	8
155	Lipid Discovery by Combinatorial Screening and Untargeted LC-MS/MS. <i>Scientific Reports</i> , 2016 , 6, 279204.9	4.9	8
154	The lipidome associated with the β secretase complex is required for its integrity and activity. <i>Biochemical Journal</i> , 2016 , 473, 321-34	3.8	11
153	Biochemical Composition and Assembly of Biosilica-associated Insoluble Organic Matrices from the Diatom <i>Thalassiosira pseudonana</i> . <i>Journal of Biological Chemistry</i> , 2016 , 291, 4982-97	5.4	43
152	Detection of Independent Associations of Plasma Lipidomic Parameters with Insulin Sensitivity Indices Using Data Mining Methodology. <i>PLoS ONE</i> , 2016 , 11, e0164173	3.7	17
151	Steroid Hormone Signaling Is Essential for Pheromone Production and Oenocyte Survival. <i>PLoS Genetics</i> , 2016 , 12, e1006126	6	32
150	Gender, Contraceptives and Individual Metabolic Predisposition Shape a Healthy Plasma Lipidome. <i>Scientific Reports</i> , 2016 , 6, 27710	4.9	73
149	Identification of a dairy product in the grass woven basket from Gumugou Cemetery (3800BP, northwestern China). <i>Quaternary International</i> , 2016 , 426, 158-165	2	30
148	Increasing plasma lysophosphatidylcholine levels in patients with regular dextran sulfate lipoprotein apheresis. <i>Atherosclerosis Supplements</i> , 2015 , 18, 170-5	1.7	1
147	Quantitative profiling of endocannabinoids in lipoproteins by LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 5125-31	4.4	18
146	The ecdysteroidome of <i>Drosophila</i> : influence of diet and development. <i>Development (Cambridge)</i> , 2015 , 142, 3758-68	6.6	44
145	RNAi in murine hepatocytes: the agony of choice--a study of the influence of lipid-based transfection reagents on hepatocyte metabolism. <i>Archives of Toxicology</i> , 2015 , 89, 1579-88	5.8	10
144	The Plasmodiophora brassicae genome reveals insights in its life cycle and ancestry of chitin synthases. <i>Scientific Reports</i> , 2015 , 5, 11153	4.9	127
143	Ceramides And Stress Signalling Intersect With Autophagic Defects In Neurodegenerative <i>Drosophila</i> blue cheese (bchs) Mutants. <i>Scientific Reports</i> , 2015 , 5, 15926	4.9	13

142	Regulation of liver metabolism by the endosomal GTPase Rab5. <i>Cell Reports</i> , 2015 , 11, 884-892	10.6	32
141	Interaction of Chk1 with Treslin negatively regulates the initiation of chromosomal DNA replication. <i>Molecular Cell</i> , 2015 , 57, 492-505	17.6	67
140	Proteomics evidence for kefir dairy in Early Bronze Age China. <i>Journal of Archaeological Science</i> , 2014 , 45, 178-186	2.9	92
139	Galectin-3 drives glycosphingolipid-dependent biogenesis of clathrin-independent carriers. <i>Nature Cell Biology</i> , 2014 , 16, 595-606	23.4	177
138	Liver-restricted Repin1 deficiency improves whole-body insulin sensitivity, alters lipid metabolism, and causes secondary changes in adipose tissue in mice. <i>Diabetes</i> , 2014 , 63, 3295-309	0.9	19
137	Systematic screening for novel lipids by shotgun lipidomics. <i>Analytical Chemistry</i> , 2014 , 86, 2703-10	7.8	34
136	Host cell phosphatidylcholine is a key mediator of malaria parasite survival during liver stage infection. <i>Cell Host and Microbe</i> , 2014 , 16, 778-86	23.4	77
135	Two different pathways of phosphatidylcholine synthesis, the Kennedy Pathway and the Lands Cycle, differentially regulate cellular triacylglycerol storage. <i>BMC Cell Biology</i> , 2014 , 15, 43		65
134	Proteomics identifies the composition and manufacturing recipe of the 2500-year old sourdough bread from Subeixi cemetery in China. <i>Journal of Proteomics</i> , 2014 , 105, 363-71	3.9	45
133	Proteome and phosphoproteome of Africanized and European honeybee venoms. <i>Proteomics</i> , 2013 , 13, 2638-48	4.8	26
132	A global in vivo Drosophila RNAi screen identifies a key role of ceramide phosphoethanolamine for glial ensheathment of axons. <i>PLoS Genetics</i> , 2013 , 9, e1003980	6	25
131	Girard derivatization for LC-MS/MS profiling of endogenous ecdysteroids in Drosophila. <i>Journal of Lipid Research</i> , 2013 , 54, 2265-2272	6.3	20
130	LipidXplorer: Software for Quantitative Shotgun Lipidomics Compatible with Multiple Mass Spectrometry Platforms. <i>Current Protocols in Bioinformatics</i> , 2013 , 43, 14.12.1-14.12.30	24.2	30
129	Plasma lipid composition and risk of developing cardiovascular disease. <i>PLoS ONE</i> , 2013 , 8, e71846	3.7	83
128	Molecular strategies of the Caenorhabditis elegans dauer larva to survive extreme desiccation. <i>PLoS ONE</i> , 2013 , 8, e82473	3.7	67
127	Shotgun lipidomics on a LTQ Orbitrap mass spectrometer by successive switching between acquisition polarity modes. <i>Journal of Mass Spectrometry</i> , 2012 , 47, 96-104	2.2	168
126	Quantitative analysis of the lipidomes of the influenza virus envelope and MDCK cell apical membrane. <i>Journal of Cell Biology</i> , 2012 , 196, 213-21	7.3	199
125	Tracing fatty acid metabolism by click chemistry. <i>ACS Chemical Biology</i> , 2012 , 7, 2004-11	4.9	81

124	Effects of diet and development on the <i>Drosophila</i> lipidome. <i>Molecular Systems Biology</i> , 2012 , 8, 600	12.2	182
123	LipidXplorer: a software for consensual cross-platform lipidomics. <i>PLoS ONE</i> , 2012 , 7, e29851	3.7	212
122	Flexibility of a eukaryotic lipidome—insights from yeast lipidomics. <i>PLoS ONE</i> , 2012 , 7, e35063	3.7	180
121	Tissue proteomics by one-dimensional gel electrophoresis combined with label-free protein quantification. <i>Journal of Proteome Research</i> , 2012 , 11, 3680-9	5.6	29
120	Horizontal carryover of proteins on one-dimensional polyacrylamide gels may jeopardize gel-enhanced liquid chromatography mass spectrometry proteomic interpretations. <i>Analytical Biochemistry</i> , 2012 , 421, 779-81	3.1	6
119	Role for Rif1 in the checkpoint response to damaged DNA in <i>Xenopus</i> egg extracts. <i>Cell Cycle</i> , 2012 , 11, 1183-94	4.7	12
118	Lipoproteins in <i>Drosophila melanogaster</i> —assembly, function, and influence on tissue lipid composition. <i>PLoS Genetics</i> , 2012 , 8, e1002828	6	151
117	A novel informatics concept for high-throughput shotgun lipidomics based on the molecular fragmentation query language. <i>Genome Biology</i> , 2011 , 12, R8	18.3	241
116	Bottom-up shotgun lipidomics by higher energy collisional dissociation on LTQ Orbitrap mass spectrometers. <i>Analytical Chemistry</i> , 2011 , 83, 5480-7	7.8	105
115	Shotgun lipidomics on high resolution mass spectrometers. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3, a004614	10.2	137
114	Membrane lipidome of an epithelial cell line. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 1903-7	11.5	326
113	Differential proteome analysis of mature and germinated embryos of <i>Araucaria angustifolia</i> . <i>Phytochemistry</i> , 2011 , 72, 302-11	4	40
112	Direct regulation of Treslin by cyclin-dependent kinase is essential for the onset of DNA replication. <i>Journal of Cell Biology</i> , 2011 , 193, 995-1007	7.3	88
111	Human lysophosphatidylcholine acyltransferases 1 and 2 are located in lipid droplets where they catalyze the formation of phosphatidylcholine. <i>Journal of Biological Chemistry</i> , 2011 , 286, 21330-9	5.4	110
110	Orm family proteins mediate sphingolipid homeostasis. <i>Nature</i> , 2010 , 463, 1048-53	50.4	450
109	<i>Xenopus</i> meiotic microtubule-associated interactome. <i>PLoS ONE</i> , 2010 , 5, e9248	3.7	32
108	Survival strategies of a sterol auxotroph. <i>Development (Cambridge)</i> , 2010 , 137, 3675-85	6.6	98
107	A genome-scale DNA repair RNAi screen identifies SPG48 as a novel gene associated with hereditary spastic paraplegia. <i>PLoS Biology</i> , 2010 , 8, e1000408	9.7	133

106	Treslin collaborates with TopBP1 in triggering the initiation of DNA replication. <i>Cell</i> , 2010 , 140, 349-59	56.2	169
105	Lipidome of narrow-band ultraviolet B irradiated keratinocytes shows apoptotic hallmarks. <i>Experimental Dermatology</i> , 2010 , 19, e103-10	4	19
104	Maradolipids: diacyltrehalose glycolipids specific to dauer larva in <i>Caenorhabditis elegans</i> . <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9430-5	16.4	39
103	Top-down lipidomics reveals ether lipid deficiency in blood plasma of hypertensive patients. <i>PLoS ONE</i> , 2009 , 4, e6261	3.7	247
102	Segregation of sphingolipids and sterols during formation of secretory vesicles at the trans-Golgi network. <i>Journal of Cell Biology</i> , 2009 , 185, 601-12	7.3	305
101	Ablation of cholesterol biosynthesis in neural stem cells increases their VEGF expression and angiogenesis but causes neuron apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 8350-5	11.5	47
100	Global analysis of the yeast lipidome by quantitative shotgun mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 2136-41	11.5	733
99	The Mre11-Rad50-Nbs1 complex mediates activation of TopBP1 by ATM. <i>Molecular Biology of the Cell</i> , 2009 , 20, 2351-60	3.5	57
98	Improving protein extraction and separation methods for investigating the metaproteome of anaerobic benzene communities within sediments. <i>Biodegradation</i> , 2009 , 20, 737-50	4.1	63
97	Accumulation of raft lipids in T-cell plasma membrane domains engaged in TCR signalling. <i>EMBO Journal</i> , 2009 , 28, 466-76	13	212
96	Glycosphingolipid requirements for endosome-to-Golgi transport of Shiga toxin. <i>Traffic</i> , 2009 , 10, 868-82	7	51
95	Changes in the 2-DE protein profile during zygotic embryogenesis in the Brazilian Pine (<i>Araucaria angustifolia</i>). <i>Journal of Proteomics</i> , 2009 , 72, 337-52	3.9	54
94	Tools for exploring the proteosphere. <i>Journal of Proteomics</i> , 2009 , 72, 137-44	3.9	37
93	A genome-scale RNAi screen for Oct4 modulators defines a role of the Paf1 complex for embryonic stem cell identity. <i>Cell Stem Cell</i> , 2009 , 4, 403-15	18	214
92	Comparative proteomic analysis of responses to pathogen infection and wounding in <i>Fagus sylvatica</i> . <i>Journal of Proteome Research</i> , 2009 , 8, 4077-91	5.6	35
91	Chromatin Central: towards the comparative proteome by accurate mapping of the yeast proteomic environment. <i>Genome Biology</i> , 2008 , 9, R167	18.3	96
90	Dbf4-dependent CDC7 kinase links DNA replication to the segregation of homologous chromosomes in meiosis I. <i>Cell</i> , 2008 , 135, 662-78	56.2	135
89	Lipid extraction by methyl-tert-butyl ether for high-throughput lipidomics. <i>Journal of Lipid Research</i> , 2008 , 49, 1137-46	6.3	1261

88	Separating the wheat from the chaff: unbiased filtering of background tandem mass spectra improves protein identification. <i>Journal of Proteome Research</i> , 2008 , 7, 3382-95	5.6	35
87	LET-767 is required for the production of branched chain and long chain fatty acids in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2008 , 283, 17550-60	5.4	64
86	Simplified validation of borderline hits of database searches. <i>Proteomics</i> , 2008 , 8, 4173-7	4.8	6
85	Protein identification pipeline for the homology-driven proteomics. <i>Journal of Proteomics</i> , 2008 , 71, 346-56	5.6	70
84	The saliva proteome of the blood-feeding insect <i>Triatoma infestans</i> is rich in platelet-aggregation inhibitors. <i>International Journal of Mass Spectrometry</i> , 2007 , 268, 265-276	1.9	25
83	Sequence similarity-driven proteomics in organisms with unknown genomes by LC-MS/MS and automated de novo sequencing. <i>Proteomics</i> , 2007 , 7, 2318-29	4.8	93
82	Ataxia-telangiectasia mutated (ATM)-dependent activation of ATR occurs through phosphorylation of TopBP1 by ATM. <i>Journal of Biological Chemistry</i> , 2007 , 282, 17501-6	5.4	84
81	Salt-induced changes in the plasma membrane proteome of the halotolerant alga <i>Dunaliella salina</i> as revealed by blue native gel electrophoresis and nano-LC-MS/MS analysis. <i>Molecular and Cellular Proteomics</i> , 2007 , 6, 1459-72	7.6	123
80	Top-down lipidomic screens by multivariate analysis of high-resolution survey mass spectra. <i>Analytical Chemistry</i> , 2007 , 79, 4083-93	7.8	171
79	Shotgun lipidomics by tandem mass spectrometry under data-dependent acquisition control. <i>Methods in Enzymology</i> , 2007 , 433, 175-91	1.7	104
78	Purification and mass spectrometry identification of microtubule-binding proteins from <i>Xenopus</i> egg extracts. <i>Methods in Molecular Medicine</i> , 2007 , 137, 29-43		5
77	Collision-induced dissociation pathways of yeast sphingolipids and their molecular profiling in total lipid extracts: a study by quadrupole TOF and linear ion trap-orbitrap mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2006 , 41, 372-89	2.2	116
76	Protein interactions within the Set1 complex and their roles in the regulation of histone 3 lysine 4 methylation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 35404-12	5.4	118
75	Automated identification and quantification of glycerophospholipid molecular species by multiple precursor ion scanning. <i>Analytical Chemistry</i> , 2006 , 78, 6202-14	7.8	353
74	Lipid profiling by multiple precursor and neutral loss scanning driven by the data-dependent acquisition. <i>Analytical Chemistry</i> , 2006 , 78, 585-95	7.8	251
73	Rapid validation of protein identifications with the borderline statistical confidence via de novo sequencing and MS BLAST searches. <i>Journal of Proteome Research</i> , 2006 , 5, 2448-56	5.6	37
72	Ontogenetic variations in the venom proteome of the Amazonian snake <i>Bothrops atrox</i> . <i>Proteome Science</i> , 2006 , 4, 11	2.6	105
71	Identification of glycosylated marker proteins of epithelial polarity in MDCK cells by homology driven proteomics. <i>BMC Biochemistry</i> , 2006 , 7, 8	4.8	30

70	Proteomics of early zebrafish embryos. <i>BMC Developmental Biology</i> , 2006 , 6, 1	3.1	258
69	Thermostable trypsin conjugates for high-throughput proteomics: synthesis and performance evaluation. <i>Proteomics</i> , 2006 , 6, 2959-63	4.8	57
68	In-gel digestion for mass spectrometric characterization of proteins and proteomes. <i>Nature Protocols</i> , 2006 , 1, 2856-60	18.8	3440
67	Sequence similarity-based proteomics in insects: characterization of the larvae venom of the Brazilian moth <i>Cerodirphia speciosa</i> . <i>Journal of Proteome Research</i> , 2005 , 4, 862-9	5.6	34
66	Uncoupling of unwinding from DNA synthesis implies regulation of MCM helicase by Tof1/Mrc1/Csm3 checkpoint complex. <i>Journal of Molecular Biology</i> , 2005 , 347, 509-21	6.5	102
65	Polyene-lipids: a new tool to image lipids. <i>Nature Methods</i> , 2005 , 2, 39-45	21.6	154
64	Error-tolerant EST database searches by tandem mass spectrometry and multiTag software. <i>Proteomics</i> , 2005 , 5, 4118-22	4.8	19
63	Adenovirus exploits the cellular aggresome response to accelerate inactivation of the MRN complex. <i>Journal of Virology</i> , 2005 , 79, 14004-16	6.6	101
62	Activation of transcription factor NF-kappaB requires ELKS, an IkappaB kinase regulatory subunit. <i>Science</i> , 2004 , 304, 1963-7	33.3	188
61	A comparative analysis of an orthologous proteomic environment in the yeasts <i>Saccharomyces cerevisiae</i> and <i>Schizosaccharomyces pombe</i> . <i>Molecular and Cellular Proteomics</i> , 2004 , 3, 125-32	7.6	31
60	The power and the limitations of cross-species protein identification by mass spectrometry-driven sequence similarity searches. <i>Molecular and Cellular Proteomics</i> , 2004 , 3, 238-49	7.6	133
59	Mcm2 is a direct substrate of ATM and ATR during DNA damage and DNA replication checkpoint responses. <i>Journal of Biological Chemistry</i> , 2004 , 279, 53353-64	5.4	101
58	Homology-based functional proteomics by mass spectrometry: application to the <i>Xenopus</i> microtubule-associated proteome. <i>Proteomics</i> , 2004 , 4, 2707-21	4.8	64
57	Dried-droplet probe preparation on AnchorChip targets for navigating the acquisition of matrix-assisted laser desorption/ionization time-of-flight spectra by fluorescence of matrix/analyte crystals. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 923-30	2.2	38
56	Enhanced photosynthesis and redox energy production contribute to salinity tolerance in <i>Dunaliella</i> as revealed by homology-based proteomics. <i>Plant Physiology</i> , 2004 , 136, 2806-17	6.6	205
55	Absolute quantification of proteins in solutions and in polyacrylamide gels by mass spectrometry. <i>Analytical Chemistry</i> , 2004 , 76, 3029-36	7.8	87
54	Hrp48, a <i>Drosophila</i> hnRNPA/B homolog, binds and regulates translation of oskar mRNA. <i>Developmental Cell</i> , 2004 , 6, 637-48	10.2	103
53	Adaptation of a DNA replication checkpoint response depends upon inactivation of Claspin by the Polo-like kinase. <i>Cell</i> , 2004 , 117, 575-88	56.2	180

52	Nanoelectrospray tandem mass spectrometry and sequence similarity searching for identification of proteins from organisms with unknown genomes. <i>Methods in Molecular Biology</i> , 2003 , 211, 221-34	1.4	28
51	Fast-response proteomics by accelerated in-gel digestion of proteins. <i>Analytical Chemistry</i> , 2003 , 75, 1300-6	7.8	321
50	Combining mass spectrometry with database interrogation strategies in proteomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2003 , 22, 291-298	14.6	41
49	Expanding the organismal scope of proteomics: cross-species protein identification by mass spectrometry and its implications. <i>Proteomics</i> , 2003 , 3, 19-28	4.8	169
48	MultiTag: multiple error-tolerant sequence tag search for the sequence-similarity identification of proteins by mass spectrometry. <i>Analytical Chemistry</i> , 2003 , 75, 1307-15	7.8	106
47	The CCT chaperonin promotes activation of the anaphase-promoting complex through the generation of functional Cdc20. <i>Molecular Cell</i> , 2003 , 12, 87-100	17.6	142
46	Resistance of cell membranes to different detergents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 5795-800	11.5	556
45	The histone 3 lysine 36 methyltransferase, SET2, is involved in transcriptional elongation. <i>Nucleic Acids Research</i> , 2003 , 31, 2475-82	20.1	121
44	KNL-1 directs assembly of the microtubule-binding interface of the kinetochore in <i>C. elegans</i> . <i>Genes and Development</i> , 2003 , 17, 2421-35	12.6	184
43	Charting molecular composition of phosphatidylcholines by fatty acid scanning and ion trap MS3 fragmentation. <i>Journal of Lipid Research</i> , 2003 , 44, 2181-92	6.3	239
42	Simple two-point calibration of hybrid quadrupole time-of-flight instruments using a synthetic lipid standard. <i>Rapid Communications in Mass Spectrometry</i> , 2002 , 16, 1254-5	2.2	30
41	Quantitative profiling of phospholipids by multiple precursor ion scanning on a hybrid quadrupole time-of-flight mass spectrometer. <i>Analytical Chemistry</i> , 2002 , 74, 941-9	7.8	283
40	"De novo" sequencing of peptides recovered from in-gel digested proteins by nanoelectrospray tandem mass spectrometry. <i>Molecular Biotechnology</i> , 2002 , 20, 107-18	3	72
39	Transcription control by E1A and MAP kinase pathway via Sur2 mediator subunit. <i>Science</i> , 2002 , 296, 755-8	33.3	203
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4	Lipoproteins carry endocannabinoids that inhibit the Hedgehog pathway		3
3	A non-canonical lipid droplet metabolism regulates the conversion of alpha-Synuclein to proteolytic resistant forms in neurons of a Drosophila model of Parkinson disease		2
2	An insulin, AMPK, and steroid hormone-mediated metabolic switch regulates the transition between growth and diapause in <i>C. elegans</i>		2
1	Sterols as dietary markers for <i>Drosophila melanogaster</i>		1