

Andrej Shevchenko

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4827310/andrej-shevchenko-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Mass spectrometric sequencing of proteins silver-stained polyacrylamide gels. <i>Analytical Chemistry</i> , 1996 , 68, 850-8	7.8	7831
194	In-gel digestion for mass spectrometric characterization of proteins and proteomes. <i>Nature Protocols</i> , 2006 , 1, 2856-60	18.8	3440
193	FLICE, a novel FADD-homologous ICE/CED-3-like protease, is recruited to the CD95 (Fas/APO-1) death-inducing signaling complex. <i>Cell</i> , 1996 , 85, 817-27	56.2	2715
192	IKK-1 and IKK-2: cytokine-activated IkappaB kinases essential for NF-kappaB activation. <i>Science</i> , 1997 , 278, 860-6	33.3	1884
191	Femtomole sequencing of proteins from polyacrylamide gels by nano-electrospray mass spectrometry. <i>Nature</i> , 1996 , 379, 466-9	50.4	1574
190	Lipid extraction by methyl-tert-butyl ether for high-throughput lipidomics. <i>Journal of Lipid Research</i> , 2008 , 49, 1137-46	6.3	1261
189	Reverse transcriptase motifs in the catalytic subunit of telomerase. <i>Science</i> , 1997 , 276, 561-7	33.3	1034
188	The exosome: a conserved eukaryotic RNA processing complex containing multiple 3S->5S exoribonucleases. <i>Cell</i> , 1997 , 91, 457-66	56.2	773
187	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
186	Exit from mitosis is triggered by Tem1-dependent release of the protein phosphatase Cdc14 from nucleolar RENT complex. <i>Cell</i> , 1999 , 97, 233-44	56.2	618
185	Promotion of NEDD-CUL1 conjugate cleavage by COP9 signalosome. <i>Science</i> , 2001 , 292, 1382-5	33.3	561
184	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
183	Cohesin's binding to chromosomes depends on a separate complex consisting of Scc2 and Scc4 proteins. <i>Molecular Cell</i> , 2000 , 5, 243-54	17.6	530
182	Charting the proteomes of organisms with unsequenced genomes by MALDI-quadrupole time-of-flight mass spectrometry and BLAST homology searching. <i>Analytical Chemistry</i> , 2001 , 73, 1917-26	7.8	530
181	An ESP1/PDS1 complex regulates loss of sister chromatid cohesion at the metaphase to anaphase transition in yeast. <i>Cell</i> , 1998 , 93, 1067-76	56.2	514
180	Orm family proteins mediate sphingolipid homeostasis. <i>Nature</i> , 2010 , 463, 1048-53	50.4	450
179	Phosphoprotein associated with glycosphingolipid-enriched microdomains (PAG), a novel ubiquitously expressed transmembrane adaptor protein, binds the protein tyrosine kinase csk and is involved in regulation of T cell activation. <i>Journal of Experimental Medicine</i> , 2000 , 191, 1591-604	16.6	401

178	Rapid de novo peptide sequencing by a combination of nanoelectrospray, isotopic labeling and a quadrupole/time-of-flight mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 1997 , 11, 1015-24	2.2	373
177	Automated identification and quantification of glycerophospholipid molecular species by multiple precursor ion scanning. <i>Analytical Chemistry</i> , 2006 , 78, 6202-14	7.8	353
176	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
175	Fast-response proteomics by accelerated in-gel digestion of proteins. <i>Analytical Chemistry</i> , 2003 , 75, 1300-6	7.8	321
174	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
173	IkappaB kinase (IKK)-associated protein 1, a common component of the heterogeneous IKK complex. <i>Molecular and Cellular Biology</i> , 1999 , 19, 1526-38	4.8	302
172	Mass spectrometric analysis of the anaphase-promoting complex from yeast: identification of a subunit related to cullins. <i>Science</i> , 1998 , 279, 1216-9	33.3	296
171	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
170	A protein complex containing Inscuteable and the Galpha-binding protein Pins orients asymmetric cell divisions in Drosophila. <i>Current Biology</i> , 2000 , 10, 353-62	6.3	275
169	MALDI quadrupole time-of-flight mass spectrometry: a powerful tool for proteomic research. <i>Analytical Chemistry</i> , 2000 , 72, 2132-41	7.8	268
168	Spindle checkpoint protein Xmad1 recruits Xmad2 to unattached kinetochores. <i>Journal of Cell Biology</i> , 1998 , 143, 283-95	7.3	268
167	Proteomics of early zebrafish embryos. <i>BMC Developmental Biology</i> , 2006 , 6, 1	3.1	258
166	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
165	Top-down lipidomics reveals ether lipid deficiency in blood plasma of hypertensive patients. <i>PLoS ONE</i> , 2009 , 4, e6261	3.7	247
164	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
163	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
162	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
161	Gemin3: A novel DEAD box protein that interacts with SMN, the spinal muscular atrophy gene product, and is a component of gems. <i>Journal of Cell Biology</i> , 1999 , 147, 1181-94	7.3	220

160	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
159	LipidXplorer: a software for consensual cross-platform lipidomics. <i>PLoS ONE</i> , 2012 , 7, e29851	3.7	212
158	Accumulation of raft lipids in T-cell plasma membrane domains engaged in TCR signalling. <i>EMBO Journal</i> , 2009 , 28, 466-76	13	212
157	Skp1 forms multiple protein complexes, including RAVE, a regulator of V-ATPase assembly. <i>Nature Cell Biology</i> , 2001 , 3, 384-91	23.4	210
156	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
155	Transcription control by E1A and MAP kinase pathway via Sur2 mediator subunit. <i>Science</i> , 2002 , 296, 755-8	33.3	203
154	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
153	SH2 signaling in a lower eukaryote: a STAT protein that regulates stalk cell differentiation in <i>dictyostelium</i> . <i>Cell</i> , 1997 , 89, 909-16	56.2	195
152	Gemin4. A novel component of the SMN complex that is found in both gems and nucleoli. <i>Journal of Cell Biology</i> , 2000 , 148, 1177-86	7.3	194
151	Direct involvement of yeast type I myosins in Cdc42-dependent actin polymerization. <i>Journal of Cell Biology</i> , 2000 , 148, 363-73	7.3	193
150	Activation of transcription factor NF-kappaB requires ELKS, an IkappaB kinase regulatory subunit. <i>Science</i> , 2004 , 304, 1963-7	33.3	188
149	Analysis of the adenovirus E1B-55K-anchored proteome reveals its link to ubiquitination machinery. <i>Journal of Virology</i> , 2002 , 76, 9194-206	6.6	188
148	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
147	Effects of diet and development on the <i>Drosophila</i> lipidome. <i>Molecular Systems Biology</i> , 2012 , 8, 600	12.2	182
146	Flexibility of a eukaryotic lipidome—insights from yeast lipidomics. <i>PLoS ONE</i> , 2012 , 7, e35063	3.7	180
145	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
144	Galectin-3 drives glycosphingolipid-dependent biogenesis of clathrin-independent carriers. <i>Nature Cell Biology</i> , 2014 , 16, 595-606	23.4	177
143	Top-down lipidomic screens by multivariate analysis of high-resolution survey mass spectra. <i>Analytical Chemistry</i> , 2007 , 79, 4083-93	7.8	171

142	Treslin collaborates with TopBP1 in triggering the initiation of DNA replication. <i>Cell</i> , 2010 , 140, 349-59	56.2	169
141	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
140	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
139	Polyene-lipids: a new tool to image lipids. <i>Nature Methods</i> , 2005 , 2, 39-45	21.6	154
138	Lipoproteins in <i>Drosophila melanogaster</i> --assembly, function, and influence on tissue lipid composition. <i>PLoS Genetics</i> , 2012 , 8, e1002828	6	151
137	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
136	Forkhead transcription factors, Fkh1p and Fkh2p, collaborate with Mcm1p to control transcription required for M-phase. <i>Current Biology</i> , 2000 , 10, 896-906	6.3	146
135	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
134	Shotgun lipidomics on high resolution mass spectrometers. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3, a004614	10.2	137
133	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
132	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
131	Nup93, a vertebrate homologue of yeast Nic96p, forms a complex with a novel 205-kDa protein and is required for correct nuclear pore assembly. <i>Molecular Biology of the Cell</i> , 1997 , 8, 2017-38	3.5	133
130	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
129	The <i>Plasmodiophora brassicae</i> genome reveals insights in its life cycle and ancestry of chitin synthases. <i>Scientific Reports</i> , 2015 , 5, 11153	4.9	127
128	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
127	The histone 3 lysine 36 methyltransferase, SET2, is involved in transcriptional elongation. <i>Nucleic Acids Research</i> , 2003 , 31, 2475-82	20.1	121
126	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
125	Two-dimensional gel protein database of <i>Saccharomyces cerevisiae</i> (update 1999). <i>Electrophoresis</i> , 1999 , 20, 2280-98	3.6	118

124	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
123	Peptide sequencing by mass spectrometry for homology searches and cloning of genes. <i>The Protein Journal</i> , 1997 , 16, 481-90		115
122	T cell receptor (TCR) interacting molecule (TRIM), a novel disulfide-linked dimer associated with the TCR-CD3-zeta complex, recruits intracellular signaling proteins to the plasma membrane. <i>Journal of Experimental Medicine</i> , 1998 , 188, 561-75	16.6	113
121	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
120	Thrombomucin, a novel cell surface protein that defines thrombocytes and multipotent hematopoietic progenitors. <i>Journal of Cell Biology</i> , 1997 , 138, 1395-407	7.3	109
119	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
118	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
117	Ontogenetic variations in the venom proteome of the Amazonian snake <i>Bothrops atrox</i> . <i>Proteome Science</i> , 2006 , 4, 11	2.6	105
116	Shotgun lipidomics by tandem mass spectrometry under data-dependent acquisition control. <i>Methods in Enzymology</i> , 2007 , 433, 175-91	1.7	104
115	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
114	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
113	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
112	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
111	Survival strategies of a sterol auxotroph. <i>Development (Cambridge)</i> , 2010 , 137, 3675-85	6.6	98
110	Chromatin Central: towards the comparative proteome by accurate mapping of the yeast proteomic environment. <i>Genome Biology</i> , 2008 , 9, R167	18.3	96
109	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
108	Proteomics evidence for kefir dairy in Early Bronze Age China. <i>Journal of Archaeological Science</i> , 2014 , 45, 178-186	2.9	92
107	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

106	Evaluation of the efficiency of in-gel digestion of proteins by peptide isotopic labeling and MALDI mass spectrometry. <i>Analytical Biochemistry</i> , 2001 , 296, 279-83	3.1	88
105	De Novo peptide sequencing by nanoelectrospray tandem mass spectrometry using triple quadrupole and quadrupole/time-of-flight instruments. <i>Methods in Molecular Biology</i> , 2000 , 146, 1-16	1.4	88
104	Absolute quantification of proteins in solutions and in polyacrylamide gels by mass spectrometry. <i>Analytical Chemistry</i> , 2004 , 76, 3029-36	7.8	87
103	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
102	Plasma lipid composition and risk of developing cardiovascular disease. <i>PLoS ONE</i> , 2013 , 8, e71846	3.7	83
101	Tracing fatty acid metabolism by click chemistry. <i>ACS Chemical Biology</i> , 2012 , 7, 2004-11	4.9	81
100	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
99	Competition between histone and transcription factor binding regulates the onset of transcription in zebrafish embryos. <i>ELife</i> , 2017 , 6,	8.9	75
98	Gender, Contraceptives and Individual Metabolic Predisposition Shape a Healthy Plasma Lipidome. <i>Scientific Reports</i> , 2016 , 6, 27710	4.9	73
97	"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
96	Protein identification pipeline for the homology-driven proteomics. <i>Journal of Proteomics</i> , 2008 , 71, 346-56	3.9	70
95	Interaction of Chk1 with Treslin negatively regulates the initiation of chromosomal DNA replication. <i>Molecular Cell</i> , 2015 , 57, 492-505	17.6	67
94	Molecular strategies of the <i>Caenorhabditis elegans</i> dauer larva to survive extreme desiccation. <i>PLoS ONE</i> , 2013 , 8, e82473	3.7	67
93	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
92	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
91	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
90	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
89	The Mre11-Rad50-Nbs1 complex mediates the activation of TopBP1 by ATM. <i>Molecular Biology of the Cell</i> , 2009 , 20, 2351-60	3.5	57

88	Thermostable trypsin conjugates for high-throughput proteomics: synthesis and performance evaluation. <i>Proteomics</i> , 2006 , 6, 2959-63	4.8	57
87	Archived polyacrylamide gels as a resource for proteome characterization by mass spectrometry. <i>Electrophoresis</i> , 2001 , 22, 1194-203	3.6	56
86	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
85	Glycosphingolipid requirements for endosome-to-Golgi transport of Shiga toxin. <i>Traffic</i> , 2009 , 10, 868-877	5.7	51
84	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
83	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
82	The ecdysteroidome of <i>Drosophila</i> : influence of diet and development. <i>Development (Cambridge)</i> , 2015 , 142, 3758-68	6.6	44
81	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
80	Identification of components of trans-Golgi network-derived transport vesicles and detergent-insoluble complexes by nanoelectrospray tandem mass spectrometry. <i>Electrophoresis</i> , 1997 , 18, 2591-600	3.6	43
79	Combining mass spectrometry with database interrogation strategies in proteomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2003 , 22, 291-298	14.6	41
78	Differential proteome analysis of mature and germinated embryos of <i>Araucaria angustifolia</i> . <i>Phytochemistry</i> , 2011 , 72, 302-11	4	40
77	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
76	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
75	Tools for exploring the proteomesphere. <i>Journal of Proteomics</i> , 2009 , 72, 137-44	3.9	37
74	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
73	A Temperature-Dependent Switch in Feeding Preference Improves <i>Drosophila</i> Development and Survival in the Cold. <i>Developmental Cell</i> , 2018 , 46, 781-793.e4	10.2	36
72	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
71	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

70	Loss of hepatic Mboat7 leads to liver fibrosis. <i>Gut</i> , 2021 , 70, 940-950	19.2	35
69	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
68	Systematic screening for novel lipids by shotgun lipidomics. <i>Analytical Chemistry</i> , 2014 , 86, 2703-10	7.8	34
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	Regulation of liver metabolism by the endosomal GTPase Rab5. <i>Cell Reports</i> , 2015 , 11, 884-892	10.6	32
65	Xenopus meiotic microtubule-associated interactome. <i>PLoS ONE</i> , 2010 , 5, e9248	3.7	32
64	Steroid Hormone Signaling Is Essential for Pheromone Production and Oenocyte Survival. <i>PLoS Genetics</i> , 2016 , 12, e1006126	6	32
63	Body size-dependent energy storage causes Kleiber's law scaling of the metabolic rate in planarians. <i>ELife</i> , 2019 , 8,	8.9	31
62	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
61	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
60	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
59	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
58	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
57	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
56	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
55	Nano electrospray 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
54	Proteome and phosphoproteome of Africanized and European honeybee venoms. <i>Proteomics</i> , 2013 , 13, 2638-48	4.8	26
53	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

52	A global in vivo <i>Drosophila</i> RNAi screen identifies a key role of ceramide phosphoethanolamine for glial ensheathment of axons. <i>PLoS Genetics</i> , 2013 , 9, e1003980	6	25
51	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
50	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
49	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
48	Lipidomics of Human Blood Plasma by High-Resolution Shotgun Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2017 , 1619, 203-212	1.4	20
47	Girard derivatization for LC-MS/MS profiling of endogenous ecdysteroids in <i>Drosophila</i> . <i>Journal of Lipid Research</i> , 2013 , 54, 2265-2272	6.3	20
46	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
45	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
44	Lipidome of narrow-band ultraviolet B irradiated keratinocytes shows apoptotic hallmarks. <i>Experimental Dermatology</i> , 2010 , 19, e103-10	4	19
43	Error-tolerant EST database searches by tandem mass spectrometry and multiTag software. <i>Proteomics</i> , 2005 , 5, 4118-22	4.8	19
42	Quantitative profiling of endocannabinoids in lipoproteins by LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 5125-31	4.4	18
41	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
40	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
39	Quality control requirements for the correct annotation of lipidomics data. <i>Nature Communications</i> , 2021 , 12, 4771	17.4	16
38	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
37	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
36	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
35	Acetyl-CoA carboxylase 1-dependent lipogenesis promotes autophagy downstream of AMPK. <i>Journal of Biological Chemistry</i> , 2019 , 294, 12020-12039	5.4	13

34	Ceramides And Stress Signalling Intersect With Autophagic Defects In Neurodegenerative Drosophila blue cheese (bchs) Mutants. <i>Scientific Reports</i> , 2015 , 5, 15926	4.9	13
33	The Colorectal Cancer Lipidome: Identification of a Robust Tumor-Specific Lipid Species Signature. <i>Gastroenterology</i> , 2021 , 161, 910-923.e19	13.3	13
32	Tick-tock hedgehog-mutual crosstalk with liver circadian clock promotes liver steatosis. <i>Journal of Hepatology</i> , 2019 , 70, 1192-1202	13.4	12
31	Role for Rif1 in the checkpoint response to damaged DNA in Xenopus egg extracts. <i>Cell Cycle</i> , 2012 , 11, 1183-94	4.7	12
30	Quantitative Fragmentation Model for Bottom-Up Shotgun Lipidomics. <i>Analytical Chemistry</i> , 2019 , 91, 12085-12093	7.8	11
29	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
28	The lipidome associated with the ßsecretase complex is required for its integrity and activity. <i>Biochemical Journal</i> , 2016 , 473, 321-34	3.8	11
27	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
26	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
25	Sterols as dietary markers for Drosophila melanogaster. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 158683	5	9
24	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}	11.5	9
23	Lipid Discovery by Combinatorial Screening and Untargeted LC-MS/MS. <i>Scientific Reports</i> , 2016 , 6, 279204.9	4.9	8
22	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
21	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
20	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
19	Phosphoinositide Profile of the Mouse Retina. <i>Cells</i> , 2020 , 9,	7.9	6
18	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
17	Simplified validation of borderline hits of database searches. <i>Proteomics</i> , 2008 , 8, 4173-7	4.8	6

16	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
15	Hydroxylated sphingolipid biosynthesis regulates photoreceptor apical domain morphogenesis. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	5
14	Nonalcoholic fatty liver disease stratification by liver lipidomics. <i>Journal of Lipid Research</i> , 2021 , 62, 100104	10.4	5
13	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
12	Abnormal accumulation of lipid droplets in neurons induces the conversion of alpha-Synuclein to proteolytic resistant forms in a <i>Drosophila</i> model of Parkinson's disease. <i>PLoS Genetics</i> , 2021 , 17, e1009921	6.6	3
11	Lipoproteins carry endocannabinoids that inhibit the Hedgehog pathway		3
10	Hormone-sensitive lipase couples intergenerational sterol metabolism to reproductive success. <i>ELife</i> , 2021 , 10,	8.9	3
9	Shotgun lipidomics and mass spectrometry imaging unveil diversity and dynamics in lipid composition. <i>IScience</i> , 2021 , 24, 102115	6.1	3
8	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
7	A non-canonical lipid droplet metabolism regulates the conversion of alpha-Synuclein to proteolytic resistant forms in neurons of a <i>Drosophila</i> model of Parkinson disease		2
6	An insulin, AMPK, and steroid hormone-mediated metabolic switch regulates the transition between growth and diapause in <i>C. elegans</i>		2
5	Increasing plasma lysophosphatidylcholine levels in patients with regular dextran sulfate lipoprotein apheresis. <i>Atherosclerosis Supplements</i> , 2015 , 18, 170-5	1.7	1
4	Sterols as dietary markers for <i>Drosophila melanogaster</i>		1
3	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
2	Absolute Quantification of Proteins in the Eye of <i>Drosophila melanogaster</i> . <i>Proteomics</i> , 2020 , 20, e1900049	4.9	1
1	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