

Andrej Shevchenko

List of Publications by Year in descending order

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197
papers

49,293
citations

3151

92
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2743

192
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213
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213
docs citations

213
times ranked

53455
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass Spectrometric Sequencing of Proteins from Silver-Stained Polyacrylamide Gels. <i>Analytical Chemistry</i> , 1996, 68, 850-858.	3.2	8,535
2	In-gel digestion for mass spectrometric characterization of proteins and proteomes. <i>Nature Protocols</i> , 2006, 1, 2856-2860.	5.5	4,265
3	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, 817-827.	13.5	2,944
4	IKK-1 and IKK-2: Cytokine-Activated IB Kinases Essential for NF- κ B Activation. <i>Science</i> , 1997, 278, 860-866.	6.0	1,995
5	Lipid extraction by methyl-tert-butyl ether for high-throughput lipidomics. <i>Journal of Lipid Research</i> , 2008, 49, 1137-1146.	2.0	1,801
6	Femtomole sequencing of proteins from polyacrylamide gels by nano-electrospray mass spectrometry. <i>Nature</i> , 1996, 379, 466-469.	13.7	1,723
7	Reverse Transcriptase Motifs in the Catalytic Subunit of Telomerase. <i>Science</i> , 1997, 276, 561-567.	6.0	1,172
8	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, 2136-2141.	3.3	932
9	The Exosome: A Conserved Eukaryotic RNA Processing Complex Containing Multiple 3'5' Exoribonucleases. <i>Cell</i> , 1997, 91, 457-466.	13.5	859
10	Lipidomics: coming to grips with lipid diversity. <i>Nature Reviews Molecular Cell Biology</i> , 2010, 11, 593-598.	16.1	703
11	Exit from Mitosis Is Triggered by Tem1-Dependent Release of the Protein Phosphatase Cdc14 from Nucleolar RENT Complex. <i>Cell</i> , 1999, 97, 233-244.	13.5	684
12	Cohesin's Binding to Chromosomes Depends on a Separate Complex Consisting of Scc2 and Scc4 Proteins. <i>Molecular Cell</i> , 2000, 5, 243-254.	4.5	665
13	Promotion of NEDD8-CUL1 Conjugate Cleavage by COP9 Signalosome. <i>Science</i> , 2001, 292, 1382-1385.	6.0	641
14	Resistance of cell membranes to different detergents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5795-5800.	3.3	598
15	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, 1917-1926.	3.2	569
16	An ESP1/PDS1 Complex Regulates Loss of Sister Chromatid Cohesion at the Metaphase to Anaphase Transition in Yeast. <i>Cell</i> , 1998, 93, 1067-1076.	13.5	564
17	Orm family proteins mediate sphingolipid homeostasis. <i>Nature</i> , 2010, 463, 1048-1053.	13.7	544
18	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, 1591-1604.	4.2	447

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19	Membrane lipidome of an epithelial cell line. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1903-1907.	3.3	432
20	Rapid <i>de novo</i> ™ peptide sequencing by a combination of nanoelectrospray, isotopic labeling and a quadrupole/time-of-flight mass spectrometer. , 1997, 11, 1015-1024.		426
21	Automated Identification and Quantification of Glycerophospholipid Molecular Species by Multiple Precursor Ion Scanning. Analytical Chemistry, 2006, 78, 6202-6214.	3.2	379
22	Segregation of sphingolipids and sterols during formation of secretory vesicles at the trans-Golgi network. Journal of Cell Biology, 2009, 185, 601-612.	2.3	369
23	Fast-Response Proteomics by Accelerated In-Gel Digestion of Proteins. Analytical Chemistry, 2003, 75, 1300-1306.	3.2	345
24	A novel informatics concept for high-throughput shotgun lipidomics based on the molecular fragmentation query language. Genome Biology, 2011, 12, R8.	13.9	345
25	LipidXplorer: A Software for Consensual Cross-Platform Lipidomics. PLoS ONE, 2012, 7, e29851.	1.1	336
26	I κ B Kinase (IKK)-Associated Protein 1, a Common Component of the Heterogeneous IKK Complex. Molecular and Cellular Biology, 1999, 19, 1526-1538.	1.1	320
27	Mass Spectrometric Analysis of the Anaphase-Promoting Complex from Yeast: Identification of a Subunit Related to Cullins. Science, 1998, 279, 1216-1219.	6.0	317
28	A protein complex containing Inscuteable and the G α -binding protein Pins orients asymmetric cell divisions in Drosophila. Current Biology, 2000, 10, 353-362.	1.8	312
29	Harmonizing lipidomics: NIST interlaboratory comparison exercise for lipidomics using SRM 1950 <i>Metabolites in Frozen Human Plasma</i> . Journal of Lipid Research, 2017, 58, 2275-2288.	2.0	312
30	Proteomics of early zebrafish embryos. BMC Developmental Biology, 2006, 6, 1.	2.1	310
31	MALDI Quadrupole Time-of-Flight Mass Spectrometry: A Powerful Tool for Proteomic Research. Analytical Chemistry, 2000, 72, 2132-2141.	3.2	304
32	Quantitative Profiling of Phospholipids by Multiple Precursor Ion Scanning on a Hybrid Quadrupole Time-of-Flight Mass Spectrometer. Analytical Chemistry, 2002, 74, 941-949.	3.2	298
33	Spindle Checkpoint Protein Xmad1 Recruits Xmad2 to Unattached Kinetochores. Journal of Cell Biology, 1998, 143, 283-295.	2.3	295
34	Top-Down Lipidomics Reveals Ether Lipid Deficiency in Blood Plasma of Hypertensive Patients. PLoS ONE, 2009, 4, e6261.	1.1	290
35	Charting molecular composition of phosphatidylcholines by fatty acid scanning and ion trap MS3 fragmentation. Journal of Lipid Research, 2003, 44, 2181-2192.	2.0	277
36	Flexibility of a Eukaryotic Lipidome <i>Insights from Yeast Lipidomics</i> . PLoS ONE, 2012, 7, e35063.	1.1	274

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37	Lipid Profiling by Multiple Precursor and Neutral Loss Scanning Driven by the Data-Dependent Acquisition. <i>Analytical Chemistry</i> , 2006, 78, 585-595.	3.2	272
38	Accumulation of raft lipids in T-cell plasma membrane domains engaged in TCR signalling. <i>EMBO Journal</i> , 2009, 28, 466-476.	3.5	252
39	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, 403-415.	5.2	252
40	Gemin3. <i>Journal of Cell Biology</i> , 1999, 147, 1181-1194.	2.3	251
41	Galectin-3 drives glycosphingolipid-dependent biogenesis of clathrin-independent carriers. <i>Nature Cell Biology</i> , 2014, 16, 592-603.	4.6	248
42	Skp1 forms multiple protein complexes, including RAVE, a regulator of V-ATPase assembly. <i>Nature Cell Biology</i> , 2001, 3, 384-391.	4.6	242
43	Quantitative analysis of the lipidomes of the influenza virus envelope and MDCK cell apical membrane. <i>Journal of Cell Biology</i> , 2012, 196, 213-221.	2.3	242
44	Effects of diet and development on the <i>Drosophila</i> lipidome. <i>Molecular Systems Biology</i> , 2012, 8, 600.	3.2	240
45	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, 2806-2817.	2.3	233
46	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.	2.0	231
47	Transcription Control by E1A and MAP Kinase Pathway via Sur2 Mediator Subunit. <i>Science</i> , 2002, 296, 755-758.	6.0	227
48	KNL-1 directs assembly of the microtubule-binding interface of the kinetochore in <i>C. elegans</i> . <i>Genes and Development</i> , 2003, 17, 2421-2435.	2.7	225
49	SH2 Signaling in a Lower Eukaryote: A STAT Protein That Regulates Stalk Cell Differentiation in <i>Dictyostelium</i> . <i>Cell</i> , 1997, 89, 909-916.	13.5	221
50	Treslin Collaborates with TopBP1 in Triggering the Initiation of DNA Replication. <i>Cell</i> , 2010, 140, 349-359.	13.5	220
51	Gemin4. <i>Journal of Cell Biology</i> , 2000, 148, 1177-1186.	2.3	219
52	Lipoproteins in <i>Drosophila melanogaster</i> —Assembly, Function, and Influence on Tissue Lipid Composition. <i>PLoS Genetics</i> , 2012, 8, e1002828.	1.5	209
53	Direct Involvement of Yeast Type I Myosins in Cdc42-Dependent Actin Polymerization. <i>Journal of Cell Biology</i> , 2000, 148, 363-374.	2.3	207
54	Activation of Transcription Factor NF- κ B Requires ELKS, an I κ B Kinase Regulatory Subunit. <i>Science</i> , 2004, 304, 1963-1967.	6.0	204

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55	The Plasmodiophora brassicae genome reveals insights in its life cycle and ancestry of chitin synthases. <i>Scientific Reports</i> , 2015, 5, 11153.	1.6	202
56	Adaptation of a DNA Replication Checkpoint Response Depends upon Inactivation of Claspin by the Polo-like Kinase. <i>Cell</i> , 2004, 117, 575-588.	13.5	199
57	Analysis of the Adenovirus E1B-55K-Anchored Proteome Reveals Its Link to Ubiquitination Machinery. <i>Journal of Virology</i> , 2002, 76, 9194-9206.	1.5	198
58	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.	0.7	190
59	Expanding the organismal scope of proteomics: Cross-species protein identification by mass spectrometry and its implications. <i>Proteomics</i> , 2003, 3, 19-28.	1.3	181
60	Top-Down Lipidomic Screens by Multivariate Analysis of High-Resolution Survey Mass Spectra. <i>Analytical Chemistry</i> , 2007, 79, 4083-4093.	3.2	179
61	The CCT Chaperonin Promotes Activation of the Anaphase-Promoting Complex through the Generation of Functional Cdc20. <i>Molecular Cell</i> , 2003, 12, 87-100.	4.5	170
62	Polyene-lipids: A new tool to image lipids. <i>Nature Methods</i> , 2005, 2, 39-45.	9.0	169
63	Dbf4-Dependent Cdc7 Kinase Links DNA Replication to the Segregation of Homologous Chromosomes in Meiosis I. <i>Cell</i> , 2008, 135, 662-678.	13.5	168
64	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.	2.6	164
65	Forkhead transcription factors, Fkh1p and Fkh2p, collaborate with Mcm1p to control transcription required for M-phase. <i>Current Biology</i> , 2000, 10, 896-906.	1.8	159
66	Shotgun Lipidomics on High Resolution Mass Spectrometers. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a004614-a004614.	2.3	149
67	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, 21330-21339.	1.6	148
68	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, 2017-2038.	0.9	147
69	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, 1459-1472.	2.5	146
70	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, 238-249.	2.5	143
71	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, 35404-35412.	1.6	142
72	The histone 3 lysine 36 methyltransferase, SET2, is involved in transcriptional elongation. <i>Nucleic Acids Research</i> , 2003, 31, 2475-2482.	6.5	138

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73	Two-dimensional gel protein database of <i>Saccharomyces cerevisiae</i> (update 1999). <i>Electrophoresis</i> , 1999, 20, 2280-2298.	1.3	128
74	Peptide sequencing by mass spectrometry for homology searches and cloning of genes. <i>The Protein Journal</i> , 1997, 16, 481-490.	1.1	127
75	Survival strategies of a sterol auxotroph. <i>Development (Cambridge)</i> , 2010, 137, 3675-3685.	1.2	125
76	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, 372-389.	0.7	124
77	T Cell Receptor (TCR) Interacting Molecule (TRIM), A Novel Disulfide-linked Dimer Associated with the TCR-CD3 ϵ Complex, Recruits Intracellular Signaling Proteins to the Plasma Membrane. <i>Journal of Experimental Medicine</i> , 1998, 188, 561-575.	4.2	121
78	Ontogenetic variations in the venom proteome of the Amazonian snake <i>Bothrops atrox</i> . <i>Proteome Science</i> , 2006, 4, 11.	0.7	120
79	Proteomics evidence for kefir dairy in Early Bronze Age China. <i>Journal of Archaeological Science</i> , 2014, 45, 178-186.	1.2	119
80	Thrombomucin, a Novel Cell Surface Protein that Defines Thrombocytes and Multipotent Hematopoietic Progenitors. <i>Journal of Cell Biology</i> , 1997, 138, 1395-1407.	2.3	118
81	MultiTag: A Multiple Error-Tolerant Sequence Tag Search for the Sequence-Similarity Identification of Proteins by Mass Spectrometry. <i>Analytical Chemistry</i> , 2003, 75, 1307-1315.	3.2	118
82	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, 509-521.	2.0	117
83	Competition between histone and transcription factor binding regulates the onset of transcription in zebrafish embryos. <i>ELife</i> , 2017, 6, .	2.8	117
84	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, 53353-53364.	1.6	115
85	Shotgun Lipidomics by Tandem Mass Spectrometry under Data-Dependent Acquisition Control. <i>Methods in Enzymology</i> , 2007, 433, 175-191.	0.4	115
86	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.	2.3	115
87	Plasma Lipid Composition and Risk of Developing Cardiovascular Disease. <i>PLoS ONE</i> , 2013, 8, e71846.	1.1	115
88	Hrp48, a <i>Drosophila</i> hnRNPA/B Homolog, Binds and Regulates Translation of oskar mRNA. <i>Developmental Cell</i> , 2004, 6, 637-648.	3.1	112
89	Bottom-Up Shotgun Lipidomics by Higher Energy Collisional Dissociation on LTQ Orbitrap Mass Spectrometers. <i>Analytical Chemistry</i> , 2011, 83, 5480-5487.	3.2	111
90	Adenovirus Exploits the Cellular Aggresome Response To Accelerate Inactivation of the MRN Complex. <i>Journal of Virology</i> , 2005, 79, 14004-14016.	1.5	108

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91	Tracing Fatty Acid Metabolism by Click Chemistry. <i>ACS Chemical Biology</i> , 2012, 7, 2004-2011.	1.6	107
92	Chromatin Central: towards the comparative proteome by accurate mapping of the yeast proteomic environment. <i>Genome Biology</i> , 2008, 9, R167.	13.9	106
93	Host Cell Phosphatidylcholine Is a Key Mediator of Malaria Parasite Survival during Liver Stage Infection. <i>Cell Host and Microbe</i> , 2014, 16, 778-786.	5.1	104
94	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.	3.0	104
95	Ataxia-telangiectasia Mutated (ATM)-dependent Activation of ATR Occurs through Phosphorylation of TopBP1 by ATM*. <i>Journal of Biological Chemistry</i> , 2007, 282, 17501-17506.	1.6	99
96	De Novo Peptide Sequencing by Nanoelectrospray Tandem Mass Spectrometry Using Triple Quadrupole and Quadrupole/Time-of-Flight Instruments. , 2000, 146, 1-16.		98
97	Sequence similarity-driven proteomics in organisms with unknown genomes by LC-MS/MS and automated <i>de novo</i> sequencing. <i>Proteomics</i> , 2007, 7, 2318-2329.	1.3	98
98	Molecular Strategies of the <i>Caenorhabditis elegans</i> Dauer Larva to Survive Extreme Desiccation. <i>PLoS ONE</i> , 2013, 8, e82473.	1.1	96
99	Evaluation of the Efficiency of In-Gel Digestion of Proteins by Peptide Isotopic Labeling and MALDI Mass Spectrometry. <i>Analytical Biochemistry</i> , 2001, 296, 279-283.	1.1	95
100	Absolute Quantification of Proteins in Solutions and in Polyacrylamide Gels by Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 3029-3036.	3.2	95
101	Gender, Contraceptives and Individual Metabolic Predisposition Shape a Healthy Plasma Lipidome. <i>Scientific Reports</i> , 2016, 6, 27710.	1.6	91
102	Improving protein extraction and separation methods for investigating the metaproteome of anaerobic benzene communities within sediments. <i>Biodegradation</i> , 2009, 20, 737-750.	1.5	86
103	Interaction of Chk1 with Treslin Negatively Regulates the Initiation of Chromosomal DNA Replication. <i>Molecular Cell</i> , 2015, 57, 492-505.	4.5	84
104	"De Novo" Sequencing of Peptides Recovered from In-Gel Digested Proteins by Nanoelectrospray Tandem Mass Spectrometry. <i>Molecular Biotechnology</i> , 2002, 20, 107-118.	1.3	81
105	Protein identification pipeline for the homology-driven proteomics. <i>Journal of Proteomics</i> , 2008, 71, 346-356.	1.2	76
106	Archived polyacrylamide gels as a resource for proteome characterization by mass spectrometry. <i>Electrophoresis</i> , 2001, 22, 1194-1203.	1.3	75
107	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, 17550-17560.	1.6	75
108	Loss of hepatic Mboat7 leads to liver fibrosis. <i>Gut</i> , 2021, 70, 940-950.	6.1	73

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109	Homology-based functional proteomics by mass spectrometry: Application to the <i>Xenopus</i> microtubule-associated proteome. <i>Proteomics</i> , 2004, 4, 2707-2721.	1.3	67
110	The Mre11-Rad50-Nbs1 Complex Mediates Activation of TopBP1 by ATM. <i>Molecular Biology of the Cell</i> , 2009, 20, 2351-2360.	0.9	67
111	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, 8350-8355.	3.3	64
112	The Colorectal Cancer Lipidome: Identification of a Robust Tumor-Specific Lipid Species Signature. <i>Gastroenterology</i> , 2021, 161, 910-923.e19.	0.6	63
113	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, 4982-4997.	1.6	62
114	Changes in the 2-DE protein profile during zygotic embryogenesis in the Brazilian Pine (<i>Araucaria</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	61
115	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.	3.1	61
116	Thermostable trypsin conjugates for high-throughput proteomics: synthesis and performance evaluation. <i>Proteomics</i> , 2006, 6, 2959-2963.	1.3	60
117	Glycosphingolipid Requirements for Endosomeâ€œGolgi Transport of Shiga Toxin. <i>Traffic</i> , 2009, 10, 868-882.	1.3	60
118	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, 363-371.	1.2	59
119	The Ecdysteroidome of <i>Drosophila</i> : influence of diet and development. <i>Development (Cambridge)</i> , 2015, 142, 3758-68.	1.2	59
120	Body size-dependent energy storage causes Kleiberâ€™s law scaling of the metabolic rate in planarians. <i>ELife</i> , 2019, 8, .	2.8	57
121	Quality control requirements for the correct annotation of lipidomics data. <i>Nature Communications</i> , 2021, 12, 4771.	5.8	54
122	Steroid Hormone Signaling Is Essential for Pheromone Production and Oenocyte Survival. <i>PLoS Genetics</i> , 2016, 12, e1006126.	1.5	51
123	Ceramides And Stress Signalling Intersect With Autophagic Defects In Neurodegenerative <i>Drosophila</i> blue cheese (bchs) Mutants. <i>Scientific Reports</i> , 2015, 5, 15926.	1.6	48
124	Identification of components of trans-Golgi network-derived transport vesicles and detergent-insoluble complexes by nanoelectrospray tandem mass spectrometry. <i>Electrophoresis</i> , 1997, 18, 2591-2600.	1.3	47
125	Combining mass spectrometry with database interrogation strategies in proteomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 291-298.	5.8	47
126	Maradolipids: Diacyltrehalose Glycolipids Specific to Dauer Larva in <i>Caenorhabditis elegans</i> . <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9430-9435.	7.2	47

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127	Differential proteome analysis of mature and germinated embryos of <i>Araucaria angustifolia</i> . <i>Phytochemistry</i> , 2011, 72, 302-311.	1.4	47
128	Regulation of Liver Metabolism by the Endosomal GTPase Rab5. <i>Cell Reports</i> , 2015, 11, 884-892.	2.9	47
129	A metabolic switch regulates the transition between growth and diapause in <i>C. elegans</i> . <i>BMC Biology</i> , 2020, 18, 31.	1.7	47
130	Intensity-Independent Noise Filtering in FT MS and FT MS/MS Spectra for Shotgun Lipidomics. <i>Analytical Chemistry</i> , 2017, 89, 7046-7052.	3.2	46
131	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.	3.3	45
132	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, 125-132.	2.5	44
133	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.	1.5	44
134	Tissue Proteomics by One-Dimensional Gel Electrophoresis Combined with Label-Free Protein Quantification. <i>Journal of Proteome Research</i> , 2012, 11, 3680-3689.	1.8	43
135	Identification of a dairy product in the grass woven basket from Gumugou Cemetery (3800BP), Tj ETQq1 1 0.784314 rgBT /Overlock	0.7	43
136	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, 923-930.	0.7	40
137	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, 2448-2456.	1.8	40
138	<i>Xenopus</i> Meiotic Microtubule-Associated Interactome. <i>PLoS ONE</i> , 2010, 5, e9248.	1.1	40
139	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.	25.8	40
140	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.	1.2	39
141	Nonalcoholic fatty liver disease stratification by liver lipidomics. <i>Journal of Lipid Research</i> , 2021, 62, 100104.	2.0	39
142	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, 862-869.	1.8	38
143	Tools for exploring the proteosphere. <i>Journal of Proteomics</i> , 2009, 72, 137-144.	1.2	38
144	Comparative Proteomic Analysis of Responses to Pathogen Infection and Wounding in <i>Fagus sylvatica</i> . <i>Journal of Proteome Research</i> , 2009, 8, 4077-4091.	1.8	38

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145	Disrupted Blood-Retina Lysophosphatidylcholine Transport Impairs Photoreceptor Health But Not Visual Signal Transduction. <i>Journal of Neuroscience</i> , 2019, 39, 9689-9701.	1.7	38
146	Separating the Wheat from the Chaff: Unbiased Filtering of Background Tandem Mass Spectra Improves Protein Identification. <i>Journal of Proteome Research</i> , 2008, 7, 3382-3395.	1.8	37
147	Systematic Screening for Novel Lipids by Shotgun Lipidomics. <i>Analytical Chemistry</i> , 2014, 86, 2703-2710.	3.2	37
148	Monitoring Membrane Lipidome Turnover by Metabolic ¹⁵ N Labeling and Shotgun Ultra-High-Resolution Orbitrap Fourier Transform Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 12857-12865.	3.2	37
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