

Lydie Lane

List of Publications by Citations

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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.

61
papers

2,805
citations

31
h-index

52
g-index

70
ext. papers

3,412
ext. citations

6.9
avg, IF

5.47
L-index

#	Paper	IF	Citations
61	The Universal Protein Resource (UniProt) 2009. <i>Nucleic Acids Research</i> , 2009 , 37, D169-74	20.1	509
60	neXtProt: a knowledge platform for human proteins. <i>Nucleic Acids Research</i> , 2012 , 40, D76-83	20.1	142
59	Human Proteome Project Mass Spectrometry Data Interpretation Guidelines 2.1. <i>Journal of Proteome Research</i> , 2016 , 15, 3961-3970	5.6	130
58	The neXtProt knowledgebase on human proteins: 2017 update. <i>Nucleic Acids Research</i> , 2017 , 45, D177-D182	20.1	123
57	Metrics for the Human Proteome Project 2013-2014 and strategies for finding missing proteins. <i>Journal of Proteome Research</i> , 2014 , 13, 15-20	5.6	113
56	neXtProt: organizing protein knowledge in the context of human proteome projects. <i>Journal of Proteome Research</i> , 2013 , 12, 293-8	5.6	110
55	Down-regulation of ECRG4, a candidate tumor suppressor gene, in human breast cancer. <i>PLoS ONE</i> , 2011 , 6, e27656	3.7	108
54	Proteomic analysis of podocyte exosome-enriched fraction from normal human urine. <i>Journal of Proteomics</i> , 2013 , 82, 193-229	3.9	96
53	Protein variety and functional diversity: Swiss-Prot annotation in its biological context. <i>Comptes Rendus - Biologies</i> , 2005 , 328, 882-99	1.4	80
52	The neXtProt knowledgebase on human proteins: current status. <i>Nucleic Acids Research</i> , 2015 , 43, D764-769	20.1	76
51	Metrics for the Human Proteome Project 2015: Progress on the Human Proteome and Guidelines for High-Confidence Protein Identification. <i>Journal of Proteome Research</i> , 2015 , 14, 3452-60	5.6	74
50	The neXtProt knowledgebase in 2020: data, tools and usability improvements. <i>Nucleic Acids Research</i> , 2020 , 48, D328-D334	20.1	67
49	The UniProtKB/Swiss-Prot knowledgebase and its Plant Proteome Annotation Program. <i>Journal of Proteomics</i> , 2009 , 72, 567-73	3.9	63
48	Metrics for the Human Proteome Project 2016: Progress on Identifying and Characterizing the Human Proteome, Including Post-Translational Modifications. <i>Journal of Proteome Research</i> , 2016 , 15, 3951-3960	5.6	60
47	A high-stringency blueprint of the human proteome. <i>Nature Communications</i> , 2020 , 11, 5301	17.4	59
46	Looking for Missing Proteins in the Proteome of Human Spermatozoa: An Update. <i>Journal of Proteome Research</i> , 2016 , 15, 3998-4019	5.6	55
45	Human Spermatozoa as a Model for Detecting Missing Proteins in the Context of the Chromosome-Centric Human Proteome Project. <i>Journal of Proteome Research</i> , 2015 , 14, 3606-20	5.6	50

44	Quest for Missing Proteins: Update 2015 on Chromosome-Centric Human Proteome Project. <i>Journal of Proteome Research</i> , 2015 , 14, 3415-31	5.6	50
43	Progress on Identifying and Characterizing the Human Proteome: 2018 Metrics from the HUPO Human Proteome Project. <i>Journal of Proteome Research</i> , 2018 , 17, 4031-4041	5.6	46
42	Progress on the HUPO Draft Human Proteome: 2017 Metrics of the Human Proteome Project. <i>Journal of Proteome Research</i> , 2017 , 16, 4281-4287	5.6	46
41	C11orf83, a mitochondrial cardiolipin-binding protein involved in bc1 complex assembly and supercomplex stabilization. <i>Molecular and Cellular Biology</i> , 2015 , 35, 1139-56	4.8	44
40	N-terminome analysis of the human mitochondrial proteome. <i>Proteomics</i> , 2015 , 15, 2519-24	4.8	43
39	The SIB Swiss Institute of Bioinformatics Resources: focus on curated databases. <i>Nucleic Acids Research</i> , 2016 , 44, D27-37	20.1	41
38	The neXtProt peptide uniqueness checker: a tool for the proteomics community. <i>Bioinformatics</i> , 2017 , 33, 3471-3472	7.2	40
37	Human Proteome Project Mass Spectrometry Data Interpretation Guidelines 3.0. <i>Journal of Proteome Research</i> , 2019 , 18, 4108-4116	5.6	37
36	Deep Dive on the Proteome of Human Cerebrospinal Fluid: A Valuable Data Resource for Biomarker Discovery and Missing Protein Identification. <i>Journal of Proteome Research</i> , 2018 , 17, 4113-4128	5.6	36
35	Progress on Identifying and Characterizing the Human Proteome: 2019 Metrics from the HUPO Human Proteome Project. <i>Journal of Proteome Research</i> , 2019 , 18, 4098-4107	5.6	32
34	Evidence for a molecular link between the tuberous sclerosis complex and the Crumbs complex. <i>Human Molecular Genetics</i> , 2007 , 16, 529-36	5.6	32
33	Computational and Mass-Spectrometry-Based Workflow for the Discovery and Validation of Missing Human Proteins: Application to Chromosomes 2 and 14. <i>Journal of Proteome Research</i> , 2015 , 14, 3621-34	5.6	31
32	Mapping genetic variations to three-dimensional protein structures to enhance variant interpretation: a proposed framework. <i>Genome Medicine</i> , 2017 , 9, 113	14.4	31
31	Launching the C-HPP neXt-CP50 Pilot Project for Functional Characterization of Identified Proteins with No Known Function. <i>Journal of Proteome Research</i> , 2018 , 17, 4042-4050	5.6	31
30	Mitochondrial peptide BRAWNIN is essential for vertebrate respiratory complex III assembly. <i>Nature Communications</i> , 2020 , 11, 1312	17.4	26
29	Research on the Human Proteome Reaches a Major Milestone: >90% of Predicted Human Proteins Now Credibly Detected, According to the HUPO Human Proteome Project. <i>Journal of Proteome Research</i> , 2020 , 19, 4735-4746	5.6	25
28	Advances in the Chromosome-Centric Human Proteome Project: looking to the future. <i>Expert Review of Proteomics</i> , 2017 , 14, 1059-1071	4.2	21
27	DERA is the human deoxyribose phosphate aldolase and is involved in stress response. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 2913-25	4.9	19

26	Functional identification of APIP as human mttnB, a key enzyme in the methionine salvage pathway. <i>PLoS ONE</i> , 2012 , 7, e52877	3.7	19
25	Systems Proteomics View of the Endogenous Human Claudin Protein Family. <i>Journal of Proteome Research</i> , 2016 , 15, 339-59	5.6	17
24	Exploring the Uncharacterized Human Proteome Using neXtProt. <i>Journal of Proteome Research</i> , 2018 , 17, 4211-4226	5.6	17
23	Validating Missing Proteins in Human Sperm Cells by Targeted Mass-Spectrometry- and Antibody-based Methods. <i>Journal of Proteome Research</i> , 2017 , 16, 4340-4351	5.6	15
22	C2orf62 and TTC17 are involved in actin organization and ciliogenesis in zebrafish and human. <i>PLoS ONE</i> , 2014 , 9, e86476	3.7	13
21	Blinded Testing of Function Annotation for uPE1 Proteins by I-TASSER/COFACTOR Pipeline Using the 2018-2019 Additions to neXtProt and the CAFA3 Challenge. <i>Journal of Proteome Research</i> , 2019 , 18, 4154-4166	5.6	12
20	Fifteen years SIB Swiss Institute of Bioinformatics: life science databases, tools and support. <i>Nucleic Acids Research</i> , 2014 , 42, W436-41	20.1	12
19	Missing Protein Landscape of Human Chromosomes 2 and 14: Progress and Current Status. <i>Journal of Proteome Research</i> , 2016 , 15, 3971-3978	5.6	12
18	Proteomics Standards Initiative Extended FASTA Format. <i>Journal of Proteome Research</i> , 2019 , 18, 2686-2692	5.6	11
17	Querying neXtProt nanopublications and their value for insights on sequence variants and tissue expression. <i>Web Semantics</i> , 2014 , 29, 3-11	2.9	11
16	Identification of Missing Proteins in Normal Human Cerebrospinal Fluid. <i>Journal of Proteome Research</i> , 2018 , 17, 4315-4319	5.6	10
15	Converting neXtProt into Linked Data and nanopublications. <i>Semantic Web</i> , 2015 , 6, 147-153	2.4	10
14	A community proposal to integrate proteomics activities in ELIXIR. <i>F1000Research</i> , 2017 , 6,	3.6	10
13	Large-Scale Reanalysis of Publicly Available HeLa Cell Proteomics Data in the Context of the Human Proteome Project. <i>Journal of Proteome Research</i> , 2018 , 17, 4160-4170	5.6	10
12	Collaborative annotation of genes and proteins between UniProtKB/Swiss-Prot and dictyBase. <i>Database: the Journal of Biological Databases and Curation</i> , 2009 , 2009, bap016	5	9
11	Progress Identifying and Analyzing the Human Proteome: 2021 Metrics from the HUPO Human Proteome Project. <i>Journal of Proteome Research</i> , 2021 , 20, 5227-5240	5.6	7
10	Combining bioinformatics and MS-based proteomics: clinical implications. <i>Expert Review of Proteomics</i> , 2014 , 11, 269-84	4.2	6
9	Worming into the Uncharacterized Human Proteome. <i>Journal of Proteome Research</i> , 2019 , 18, 4143-4153	5.6	4

8	The Functionally Unannotated Proteome of Human Male Tissues: A Shared Resource to Uncover New Protein Functions Associated with Reproductive Biology. <i>Journal of Proteome Research</i> , 2020 , 19, 4782-4794	5.6	4
7	Update of the Functional Mitochondrial Human Proteome Network. <i>Journal of Proteome Research</i> , 2018 , 17, 4297-4306	5.6	4
6	C21orf91 Regulates Oligodendroglial Precursor Cell Fate-A Switch in the Glial Lineage?. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 653075	6.1	3
5	Querying NeXtProt Nanopublications and Their Value for Insights on Sequence Variants and Tissue Expression. <i>SSRN Electronic Journal</i> ,	1	2
4	Functionathon: a manual data mining workflow to generate functional hypotheses for uncharacterized human proteins and its application by undergraduate students. <i>Database: the Journal of Biological Databases and Curation</i> , 2021 , 2021,	5	2
3	A Preliminary Study on the Prediction of Human Protein Functions. <i>Lecture Notes in Computer Science</i> , 2011 , 334-343	0.9	1
2	Proteomics Standards Initiative Extended FASTA Format (PEFF)		1
1	UniProtKB/Swiss-Prot Manual and Automated Annotation of Complete Proteomes: The Dictyostelium discoideum Case Study 2009 , 149-168		