

William S. Noble

List of Publications by Year in descending order

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229
papers

51,081
citations

6606

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h-index

1934

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all docs

295
docs citations

295
times ranked

60638
citing authors

#	ARTICLE	IF	CITATIONS
1	Tandem Mass Spectrometry-Based Amyloid Typing Using Manual Microdissection and Open-Source Data Processing. <i>American Journal of Clinical Pathology</i> , 2022, 157, 748-757.	0.4	3
2	Navigating the pitfalls of applying machine learning in genomics. <i>Nature Reviews Genetics</i> , 2022, 23, 169-181.	7.7	114
3	SCOT: Single-Cell Multi-Omics Alignment with Optimal Transport. <i>Journal of Computational Biology</i> , 2022, 29, 3-18.	0.8	40
4	Interpretation of the DOME Recommendations for Machine Learning in Proteomics and Metabolomics. <i>Journal of Proteome Research</i> , 2022, 21, 1204-1207.	1.8	7
5	Systematic reconstruction of cellular trajectories across mouse embryogenesis. <i>Nature Genetics</i> , 2022, 54, 328-341.	9.4	73
6	Semi-supervised Single-Cell Cross-modality Translation Using Polarbear. <i>Lecture Notes in Computer Science</i> , 2022, , 20-35.	1.0	5
7	Building Spectral Libraries from Narrow-Window Data-Independent Acquisition Mass Spectrometry Data. <i>Journal of Proteome Research</i> , 2022, 21, 1382-1391.	1.8	6
8	A learned embedding for efficient joint analysis of millions of mass spectra. <i>Nature Methods</i> , 2022, 19, 675-678.	9.0	25
9	Reducing Peptide Sequence Bias in Quantitative Mass Spectrometry Data with Machine Learning. <i>Journal of Proteome Research</i> , 2022, 21, 1771-1782.	1.8	8
10	Prioritizing transcriptomic and epigenomic experiments using an optimization strategy that leverages imputed data. <i>Bioinformatics</i> , 2021, 37, 439-447.	1.8	2
11	mokapot: Fast and Flexible Semisupervised Learning for Peptide Detection. <i>Journal of Proteome Research</i> , 2021, 20, 1966-1971.	1.8	28
12	HiCRep.py: fast comparison of Hi-C contact matrices in Python. <i>Bioinformatics</i> , 2021, 37, 2996-2997.	1.8	22
13	Comprehensive characterization of tissue-specific chromatin accessibility in <i>L2 Caenorhabditis elegans</i> nematodes. <i>Genome Research</i> , 2021, 31, 1952-1969.	2.4	8
14	Subzero, saline incubations of <i>Colwellia psychrerythraea</i> reveal strategies and biomarkers for sustained life in extreme icy environments. <i>Environmental Microbiology</i> , 2021, 23, 3840-3866.	1.8	10
15	Large-scale tandem mass spectrum clustering using fast nearest neighbor searching. <i>Rapid Communications in Mass Spectrometry</i> , 2021, , e9153.	0.7	16
16	DIAMeter: matching peptides to data-independent acquisition mass spectrometry data. <i>Bioinformatics</i> , 2021, 37, i434-i442.	1.8	9
17	Accurately Assigning Peptides to Spectra When Only a Subset of Peptides Are Relevant. <i>Journal of Proteome Research</i> , 2021, 20, 4153-4164.	1.8	10
18	ppx: Programmatic Access to Proteomics Data Repositories. <i>Journal of Proteome Research</i> , 2021, 20, 4621-4624.	1.8	9

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19	Single-cell landscape of nuclear configuration and gene expression during stem cell differentiation and X inactivation. <i>Genome Biology</i> , 2021, 22, 279.	3.8	11
20	A wider field of view to predict expression. <i>Nature Methods</i> , 2021, 18, 1155-1156.	9.0	3
21	Local chromatin fiber folding represses transcription and loop extrusion in quiescent cells. <i>ELife</i> , 2021, 10, .	2.8	18
22	Sci-Hi-C: A single-cell Hi-C method for mapping 3D genome organization in large number of single cells. <i>Methods</i> , 2020, 170, 61-68.	1.9	53
23	Metaproteomics reveal that rapid perturbations in organic matter prioritize functional restructuring over taxonomy in western Arctic Ocean microbiomes. <i>ISME Journal</i> , 2020, 14, 39-52.	4.4	21
24	Capturing cell type-specific chromatin compartment patterns by applying topic modeling to single-cell Hi-C data. <i>PLoS Computational Biology</i> , 2020, 16, e1008173.	1.5	59
25	A pitfall for machine learning methods aiming to predict across cell types. <i>Genome Biology</i> , 2020, 21, 282.	3.8	29
26	Expanded encyclopaedias of DNA elements in the human and mouse genomes. <i>Nature</i> , 2020, 583, 699-710.	13.7	1,252
27	Trans- and cis-acting effects of Firre on epigenetic features of the inactive X chromosome. <i>Nature Communications</i> , 2020, 11, 6053.	5.8	33
28	A High-Throughput Screen for Transcription Activation Domains Reveals Their Sequence Features and Permits Prediction by Deep Learning. <i>Molecular Cell</i> , 2020, 78, 890-902.e6.	4.5	70
29	Avocado: a multi-scale deep tensor factorization method learns a latent representation of the human epigenome. <i>Genome Biology</i> , 2020, 21, 81.	3.8	77
30	Completing the ENCODE3 compendium yields accurate imputations across a variety of assays and human biosamples. <i>Genome Biology</i> , 2020, 21, 82.	3.8	22
31	Matrix-Matched Calibration Curves for Assessing Analytical Figures of Merit in Quantitative Proteomics. <i>Journal of Proteome Research</i> , 2020, 19, 1147-1153.	1.8	41
32	Measuring significant changes in chromatin conformation with ACCOST. <i>Nucleic Acids Research</i> , 2020, 48, 2303-2311.	6.5	19
33	Metabolic Control over mTOR-Dependent Diapause-like State. <i>Developmental Cell</i> , 2020, 52, 236-250.e7.	3.1	79
34	Machine Learning Strategy That Leverages Large Data sets to Boost Statistical Power in Small-Scale Experiments. <i>Journal of Proteome Research</i> , 2020, 19, 1267-1274.	1.8	15
35	Multiple Competition-Based FDR Control and Its Application to Peptide Detection. <i>Lecture Notes in Computer Science</i> , 2020, , 54-71.	1.0	12
36	Submodular sketches of single-cell RNA-seq measurements. , 2020, , .		4

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37	Unsupervised manifold alignment for single-cell multi-omics data. , 2020, 2020, 1-10.		33
38	Zero-shot imputations across species are enabled through joint modeling of human and mouse epigenomics. , 2020, , .		3
39	Avocado. , 2020, , .		1
40	Joint Precursor Elution Profile Inference via Regression for Peptide Detection in Data-Independent Acquisition Mass Spectra. Journal of Proteome Research, 2019, 18, 86-94.	1.8	4
41	Computational methods for analyzing and modeling genome structure and organization. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2019, 11, e1435.	6.6	27
42	Chromatin compartment dynamics in a haploinsufficient model of cardiac laminopathy. Journal of Cell Biology, 2019, 218, 2919-2944.	2.3	46
43	Speeding Up Percolator. Journal of Proteome Research, 2019, 18, 3353-3359.	1.8	8
44	A unified encyclopedia of human functional DNA elements through fully automated annotation of 164 human cell types. Genome Biology, 2019, 20, 180.	3.8	37
45	Extremely Fast and Accurate Open Modification Spectral Library Searching of High-Resolution Mass Spectra Using Feature Hashing and Graphics Processing Units. Journal of Proteome Research, 2019, 18, 3792-3799.	1.8	39
46	High-Throughput Single-Cell Sequencing with Linear Amplification. Molecular Cell, 2019, 76, 676-690.e10.	4.5	82
47	Predicting gene expression in the human malaria parasite Plasmodium falciparum using histone modification, nucleosome positioning, and 3D localization features. PLoS Computational Biology, 2019, 15, e1007329.	1.5	23
48	Detecting Modifications in Proteomics Experiments with Param-Medic. Journal of Proteome Research, 2019, 18, 1902-1906.	1.8	6
49	Massively parallel profiling and predictive modeling of the outcomes of CRISPR/Cas9-mediated double-strand break repair. Nucleic Acids Research, 2019, 47, 7989-8003.	6.5	135
50	Systematic proteomics of endogenous human cohesin reveals an interaction with diverse splicing factors and RNA-binding proteins required for mitotic progression. Journal of Biological Chemistry, 2019, 294, 8760-8772.	1.6	23
51	Measuring the reproducibility and quality of Hi-C data. Genome Biology, 2019, 20, 57.	3.8	125
52	Dynamics of genome reorganization during human cardiogenesis reveal an RBM20-dependent splicing factory. Nature Communications, 2019, 10, 1538.	5.8	104
53	Averaging Strategy To Reduce Variability in Target-Decoy Estimates of False Discovery Rate. Journal of Proteome Research, 2019, 18, 585-593.	1.8	26
54	Response to comments on "Empirical comparison of web-based antimicrobial peptide prediction tools"™. Bioinformatics, 2019, 35, 2695-2696.	1.8	0

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55	A Genome-wide Framework for Mapping Gene Regulation via Cellular Genetic Screens. <i>Cell</i> , 2019, 176, 377-390.e19.	13.5	379
56	MoMo: discovery of statistically significant post-translational modification motifs. <i>Bioinformatics</i> , 2019, 35, 2774-2782.	1.8	131
57	Submodular Generalized Matching for Peptide Identification in Tandem Mass Spectrometry. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 16, 1168-1181.	1.9	2
58	Inducible CRISPR genome editing platform in naive human embryonic stem cells reveals JARID2 function in self-renewal. <i>Cell Cycle</i> , 2018, 17, 00-00.	1.3	13
59	Orientation-dependent Dxz4 contacts shape the 3D structure of the inactive X chromosome. <i>Nature Communications</i> , 2018, 9, 1445.	5.8	63
60	PREDICTD PaRallel Epigenomics Data Imputation with Cloud-based Tensor Decomposition. <i>Nature Communications</i> , 2018, 9, 1402.	5.8	60
61	Using DNase Hi-C techniques to map global and local three-dimensional genome architecture at high resolution. <i>Methods</i> , 2018, 142, 59-73.	1.9	20
62	Choosing non-redundant representative subsets of protein sequence data sets using submodular optimization. <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, 454-466.	1.5	12
63	Segway 2.0: Gaussian mixture models and minibatch training. <i>Bioinformatics</i> , 2018, 34, 669-671.	1.8	31
64	GenomeDISCO: a concordance score for chromosome conformation capture experiments using random walks on contact map graphs. <i>Bioinformatics</i> , 2018, 34, 2701-2707.	1.8	90
65	Controlling the FDR in Imperfect Matches to an Incomplete Database. <i>Journal of the American Statistical Association</i> , 2018, 113, 973-982.	1.8	7
66	Choosing Non-redundant Representative Subsets Of Protein Sequence Data Sets Using Submodular Optimization. , 2018, , .		0
67	Calibration Using a Single-Point External Reference Material Harmonizes Quantitative Mass Spectrometry Proteomics Data between Platforms and Laboratories. <i>Analytical Chemistry</i> , 2018, 90, 13112-13117.	3.2	30
68	Fast Open Modification Spectral Library Searching through Approximate Nearest Neighbor Indexing. <i>Journal of Proteome Research</i> , 2018, 17, 3463-3474.	1.8	69
69	Combining High-Resolution and Exact Calibration To Boost Statistical Power: A Well-Calibrated Score Function for High-Resolution MS2 Data. <i>Journal of Proteome Research</i> , 2018, 17, 3644-3656.	1.8	23
70	Integrative detection and analysis of structural variation in cancer genomes. <i>Nature Genetics</i> , 2018, 50, 1388-1398.	9.4	268
71	Changes in genome organization of parasite-specific gene families during the Plasmodium transmission stages. <i>Nature Communications</i> , 2018, 9, 1910.	5.8	82
72	Unsupervised embedding of single-cell Hi-C data. <i>Bioinformatics</i> , 2018, 34, i96-i104.	1.8	59

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73	MetaGOmics: A Web-Based Tool for Peptide-Centric Functional and Taxonomic Analysis of Metaproteomics Data. <i>Proteomes</i> , 2018, 6, 2.	1.7	43
74	Submodular Maximization via Gradient Ascent: The Case of Deep Submodular Functions. <i>Advances in Neural Information Processing Systems</i> , 2018, 2018, 7989-7999.	2.8	0
75	Massively multiplex single-cell Hi-C. <i>Nature Methods</i> , 2017, 14, 263-266.	9.0	441
76	Param-Medic: A Tool for Improving MS/MS Database Search Yield by Optimizing Parameter Settings. <i>Journal of Proteome Research</i> , 2017, 16, 1817-1824.	1.8	25
77	Progressive Calibration and Averaging for Tandem Mass Spectrometry Statistical Confidence Estimation: Why Settle for a Single Decoy?. <i>Lecture Notes in Computer Science</i> , 2017, 10229, 99-116.	1.0	11
78	Empirical comparison of web-based antimicrobial peptide prediction tools. <i>Bioinformatics</i> , 2017, 33, 1921-1929.	1.8	98
79	Form and function of topologically associating genomic domains in budding yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3061-E3070.	3.3	67
80	HiC-spector: a matrix library for spectral and reproducibility analysis of Hi-C contact maps. <i>Bioinformatics</i> , 2017, 33, 2199-2201.	1.8	92
81	Software tools for visualizing Hi-C data. <i>Genome Biology</i> , 2017, 18, 26.	3.8	53
82	HiCRep: assessing the reproducibility of Hi-C data using a stratum-adjusted correlation coefficient. <i>Genome Research</i> , 2017, 27, 1939-1949.	2.4	376
83	Proteomic analyses of nucleus laminaris identified candidate targets of the fragile X mental retardation protein. <i>Journal of Comparative Neurology</i> , 2017, 525, 3341-3359.	0.9	7
84	PECAN: library-free peptide detection for data-independent acquisition tandem mass spectrometry data. <i>Nature Methods</i> , 2017, 14, 903-908.	9.0	158
85	Comprehensive statistical inference of the clonal structure of cancer from multiple biopsies. <i>Scientific Reports</i> , 2017, 7, 16943.	1.6	1
86	Response to "Mass spectrometrists should search for all peptides, but assess only the ones they care about" <i>Nature Methods</i> , 2017, 14, 644-644.	9.0	9
87	Critical decisions in metaproteomics: achieving high confidence protein annotations in a sea of unknowns. <i>ISME Journal</i> , 2017, 11, 309-314.	4.4	93
88	DNA sequence+shape kernel enables alignment-free modeling of transcription factor binding. <i>Bioinformatics</i> , 2017, 33, 3003-3010.	1.8	25
89	Integrated systems biology analysis of KSHV latent infection reveals viral induction and reliance on peroxisome mediated lipid metabolism. <i>PLoS Pathogens</i> , 2017, 13, e1006256.	2.1	53
90	Ten simple rules for writing a response to reviewers. <i>PLoS Computational Biology</i> , 2017, 13, e1005730.	1.5	20

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91	The dynamic three-dimensional organization of the diploid yeast genome. <i>ELife</i> , 2017, 6, .	2.8	57
92	Technical advances in proteomics: new developments in data-independent acquisition. <i>F1000Research</i> , 2016, 5, 419.	0.8	172
93	Conversion of Prostate Adenocarcinoma to Small Cell Carcinomaâ€Like by Reprogramming. <i>Journal of Cellular Physiology</i> , 2016, 231, 2040-2047.	2.0	14
94	Bipartite matching generalizations for peptide identification in tandem mass spectrometry. , 2016, , .		6
95	Distinct epigenetic features of differentiation-regulated replication origins. <i>Epigenetics and Chromatin</i> , 2016, 9, 18.	1.8	47
96	Fast and Accurate Protein False Discovery Rates on Large-Scale Proteomics Data Sets with Percolator 3.0. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1719-1727.	1.2	311
97	Mapping 3D genome architecture through in situ DNase Hi-C. <i>Nature Protocols</i> , 2016, 11, 2104-2121.	5.5	106
98	Dynamic Bayesian Network for Accurate Detection of Peptides from Tandem Mass Spectra. <i>Journal of Proteome Research</i> , 2016, 15, 2749-2759.	1.8	12
99	An Alignment-Free â€œMetapeptideâ€Strategy for Metaproteomic Characterization of Microbiome Samples Using Shotgun Metagenomic Sequencing. <i>Journal of Proteome Research</i> , 2016, 15, 2697-2705.	1.8	67
100	Choosing panels of genomics assays using submodular optimization. <i>Genome Biology</i> , 2016, 17, 229.	3.8	16
101	Faster and more accurate graphical model identification of tandem mass spectra using trellises. <i>Bioinformatics</i> , 2016, 32, i322-i331.	1.8	1
102	MCAST: scanning for <i>cis</i> -regulatory motif clusters. <i>Bioinformatics</i> , 2016, 32, 1217-1219.	1.8	8
103	Identification of genes escaping X inactivation by allelic expression analysis in a novel hybrid mouse model. <i>Data in Brief</i> , 2015, 5, 761-769.	0.5	10
104	Bipartite structure of the inactive mouse X chromosome. <i>Genome Biology</i> , 2015, 16, 152.	3.8	211
105	The GIPC1-Akt1 Pathway Is Required for the Specification of the Eye Field in Mouse Embryonic Stem Cells. <i>Stem Cells</i> , 2015, 33, 2674-2685.	1.4	15
106	Topologically associating domains and their long-range contacts are established during early G1 coincident with the establishment of the replication-timing program. <i>Genome Research</i> , 2015, 25, 1104-1113.	2.4	157
107	The MEME Suite. <i>Nucleic Acids Research</i> , 2015, 43, W39-W49.	6.5	2,537
108	Predictive model of 3D domain formation via CTCF-mediated extrusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14404-14405.	3.3	2

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109	Multiple dimensions of epigenetic gene regulation in the malaria parasite <i>Plasmodium falciparum</i> . <i>BioEssays</i> , 2015, 37, 182-194.	1.2	54
110	Joint annotation of chromatin state and chromatin conformation reveals relationships among domain types and identifies domains of cell-type-specific expression. <i>Genome Research</i> , 2015, 25, 544-557.	2.4	74
111	Visualization and Dissemination of Multidimensional Proteomics Data Comparing Protein Abundance During <i>Caenorhabditis elegans</i> Development. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 1827-1836.	1.2	5
112	Accurate identification of centromere locations in yeast genomes using Hi-C. <i>Nucleic Acids Research</i> , 2015, 43, 5331-5339.	6.5	61
113	Comprehensive identification and analysis of human accelerated regulatory DNA. <i>Genome Research</i> , 2015, 25, 1245-1255.	2.4	105
114	Improved False Discovery Rate Estimation Procedure for Shotgun Proteomics. <i>Journal of Proteome Research</i> , 2015, 14, 3148-3161.	1.8	55
115	Escape from X Inactivation Varies in Mouse Tissues. <i>PLoS Genetics</i> , 2015, 11, e1005079.	1.5	224
116	Tandem Mass Spectrum Identification via Cascaded Search. <i>Journal of Proteome Research</i> , 2015, 14, 3027-3038.	1.8	63
117	A Deeper Look into Comet's Implementation and Features. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 1865-1874.	1.2	175
118	Mass spectrometrists should search only for peptides they care about. <i>Nature Methods</i> , 2015, 12, 605-608.	9.0	86
119	Identifying multi-locus chromatin contacts in human cells using tethered multiple 3C. <i>BMC Genomics</i> , 2015, 16, 121.	1.2	51
120	The lncRNA Firre anchors the inactive X chromosome to the nucleolus by binding CTCF and maintains H3K27me3 methylation. <i>Genome Biology</i> , 2015, 16, 52.	3.8	229
121	Machine learning applications in genetics and genomics. <i>Nature Reviews Genetics</i> , 2015, 16, 321-332.	7.7	1,334
122	Analysis methods for studying the 3D architecture of the genome. <i>Genome Biology</i> , 2015, 16, 183.	3.8	146
123	Peptide-Centric Proteome Analysis: An Alternative Strategy for the Analysis of Tandem Mass Spectrometry Data. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2301-2307.	2.5	146
124	On the Importance of Well-Calibrated Scores for Identifying Shotgun Proteomics Spectra. <i>Journal of Proteome Research</i> , 2015, 14, 1147-1160.	1.8	30
125	Fine-scale chromatin interaction maps reveal the cis-regulatory landscape of human lincRNA genes. <i>Nature Methods</i> , 2015, 12, 71-78.	9.0	177
126	A statistical approach for inferring the 3D structure of the genome. <i>Bioinformatics</i> , 2014, 30, i26-i33.	1.8	223

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127	Inferring Clonal Composition from Multiple Sections of a Breast Cancer. <i>PLoS Computational Biology</i> , 2014, 10, e1003703.	1.5	100
128	The spring-loaded genome: Nucleosome redistributions are widespread, transient, and DNA-directed. <i>Genome Research</i> , 2014, 24, 251-259.	2.4	28
129	Three-dimensional modeling of the <i>P. falciparum</i> genome during the erythrocytic cycle reveals a strong connection between genome architecture and gene expression. <i>Genome Research</i> , 2014, 24, 974-988.	2.4	193
130	Motif-based analysis of large nucleotide data sets using MEME-ChIP. <i>Nature Protocols</i> , 2014, 9, 1428-1450.	5.5	200
131	Computing Exact p-values for a Cross-correlation Shotgun Proteomics Score Function. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 2467-2479.	2.5	56
132	Comparative analysis of metazoan chromatin organization. <i>Nature</i> , 2014, 512, 449-452.	13.7	363
133	Crux: Rapid Open Source Protein Tandem Mass Spectrometry Analysis. <i>Journal of Proteome Research</i> , 2014, 13, 4488-4491.	1.8	130
134	Statistical confidence estimation for Hi-C data reveals regulatory chromatin contacts. <i>Genome Research</i> , 2014, 24, 999-1011.	2.4	444
135	Integrative annotation of chromatin elements from ENCODE data. <i>Nucleic Acids Research</i> , 2013, 41, 827-841.	6.5	490
136	Determining the calibration of confidence estimation procedures for unique peptides in shotgun proteomics. <i>Journal of Proteomics</i> , 2013, 80, 123-131.	1.2	49
137	Mammalian X Upregulation Is Associated with Enhanced Transcription Initiation, RNA Half-Life, and MOF-Mediated H4K16 Acetylation. <i>Developmental Cell</i> , 2013, 25, 55-68.	3.1	103
138	Implications of COMT long-range interactions on the phenotypic variability of 22q11.2 deletion syndrome. <i>Nucleus</i> , 2013, 4, 487-493.	0.6	17
139	Integrative phenomics reveals insight into the structure of phenotypic diversity in budding yeast. <i>Genome Research</i> , 2013, 23, 1496-1504.	2.4	138
140	Genomic Interaction Profiles in Breast Cancer Reveal Altered Chromatin Architecture. <i>PLoS ONE</i> , 2013, 8, e73974.	1.1	38
141	Epigenetic priors for identifying active transcription factor binding sites. <i>Bioinformatics</i> , 2012, 28, 56-62.	1.8	103
142	Sequence and chromatin determinants of cell-type-specific transcription factor binding. <i>Genome Research</i> , 2012, 22, 1723-1734.	2.4	196
143	Sequence features and chromatin structure around the genomic regions bound by 119 human transcription factors. <i>Genome Research</i> , 2012, 22, 1798-1812.	2.4	762
144	On the assessment of statistical significance of three-dimensional colocalization of sets of genomic elements. <i>Nucleic Acids Research</i> , 2012, 40, 3849-3855.	6.5	45

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145	A genome-wide 3C-method for characterizing the three-dimensional architectures of genomes. <i>Methods</i> , 2012, 58, 277-288.	1.9	31
146	Faster Mass Spectrometry-Based Protein Inference: Junction Trees Are More Efficient than Sampling and Marginalization by Enumeration. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2012, 9, 809-817.	1.9	14
147	Learning Score Function Parameters for Improved Spectrum Identification in Tandem Mass Spectrometry Experiments. <i>Journal of Proteome Research</i> , 2012, 11, 4499-4508.	1.8	3
148	Unsupervised pattern discovery in human chromatin structure through genomic segmentation. <i>Nature Methods</i> , 2012, 9, 473-476.	9.0	562
149	Analysis of secondary structure in proteins by chemical cross-linking coupled to MS. <i>Proteomics</i> , 2012, 12, 2746-2752.	1.3	13
150	A cross-validation scheme for machine learning algorithms in shotgun proteomics. <i>BMC Bioinformatics</i> , 2012, 13, S3.	1.2	34
151	Computational and Statistical Analysis of Protein Mass Spectrometry Data. <i>PLoS Computational Biology</i> , 2012, 8, e1002296.	1.5	57
152	A Unified Multitask Architecture for Predicting Local Protein Properties. <i>PLoS ONE</i> , 2012, 7, e32235.	1.1	48
153	Maintaining replication origins in the face of genomic change. <i>Genome Research</i> , 2012, 22, 1940-1952.	2.4	31
154	A review of statistical methods for protein identification using tandem mass spectrometry. <i>Statistics and Its Interface</i> , 2012, 5, 3-20.	0.2	60
155	Faster SEQUEST Searching for Peptide Identification from Tandem Mass Spectra. <i>Journal of Proteome Research</i> , 2011, 10, 3871-3879.	1.8	185
156	On Using Samples of Known Protein Content to Assess the Statistical Calibration of Scores Assigned to Peptide-Spectrum Matches in Shotgun Proteomics. <i>Journal of Proteome Research</i> , 2011, 10, 2671-2678.	1.8	52
157	Meteorological factors and timing of the initiating event of human parturition. <i>International Journal of Biometeorology</i> , 2011, 55, 265-272.	1.3	6
158	Exploratory analysis of genomic segmentations with Segtools. <i>BMC Bioinformatics</i> , 2011, 12, 415.	1.2	20
159	FIMO: scanning for occurrences of a given motif. <i>Bioinformatics</i> , 2011, 27, 1017-1018.	1.8	3,382
160	Detecting Remote Evolutionary Relationships among Proteins by Large-Scale Semantic Embedding. <i>PLoS Computational Biology</i> , 2011, 7, e1001047.	1.5	24
161	Protein Interaction Networks: Protein Domain Interaction and Protein Function Prediction. , 2011, , 427-459.		3
162	Large-scale prediction of protein-protein interactions from structures. <i>BMC Bioinformatics</i> , 2010, 11, 144.	1.2	77

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163	Using machine learning to speed up manual image annotation: application to a 3D imaging protocol for measuring single cell gene expression in the developing <i>C. elegans</i> embryo. <i>BMC Bioinformatics</i> , 2010, 11, 84.	1.2	15
164	A three-dimensional model of the yeast genome. <i>Nature</i> , 2010, 465, 363-367.	13.7	894
165	A dynamic Bayesian network for identifying protein-binding footprints from single molecule-based sequencing data. <i>Bioinformatics</i> , 2010, 26, i334-i342.	1.8	43
166	Learning a Weighted Sequence Model of the Nucleosome Core and Linker Yields More Accurate Predictions in <i>Saccharomyces cerevisiae</i> and <i>Homo sapiens</i> . <i>PLoS Computational Biology</i> , 2010, 6, e1000834.	1.5	20
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168	Detecting Cross-Linked Peptides by Searching against a Database of Cross-Linked Peptide Pairs. <i>Journal of Proteome Research</i> , 2010, 9, 2488-2495.	1.8	41
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