Matthew P Campbell

List of Publications by Year
in descending order

60 papers	3,371 citations	159585 30 h-index	182427 51 g-index
61 all docs	61 docs citations	61 times ranked	3092 citing authors

#	Article	IF	Citations
1	GlycoStore: A Platform for H/UPLC and Capillary Electrophoresis Glycan Data. Methods in Molecular Biology, 2022, 2370, 25-40.	0.9	4
2	Computational Prediction of N- and O-Linked Glycosylation Sites for Human and Mouse Proteins. Methods in Molecular Biology, 2022, , 177-186.	0.9	1
3	Database search assisted N-glycan structure identification. , 2021, , 843-858.		0
4	The glycoconjugate ontology (GlycoCoO) for standardizing the annotation of glycoconjugate data and its application. Glycobiology, 2021, 31, 741-750.	2.5	7
5	Enhancing the interoperability of glycan data flow between ChEBI, PubChem, and GlyGen. Glycobiology, 2021, , .	2.5	2
6	GlyGen: Computational and Informatics Resources for Glycoscience. Glycobiology, 2020, 30, 72-73.	2.5	123
7	Recent advances in glycoinformatic platforms for glycomics and glycoproteomics. Current Opinion in Structural Biology, 2020, 62, 56-69.	5.7	74
8	Expanding the capillary electrophoresis-based glucose unit database of the GUcal app. Glycobiology, 2020, 30, 362-364.	2.5	7
9	A consensus-based and readable extension of *Li*near *Co*de for *R*eaction *R*ules (LiCoRR). Beilstein Journal of Organic Chemistry, 2020, 16, 2645-2662.	2.2	14
10	GlyGen data model and processing workflow. Bioinformatics, 2020, 36, 3941-3943.	4.1	22
11	SPRINT-Gly: predicting *N-* and *O-* linked glycosylation sites of human and mouse proteins by using sequence and predicted structural properties. Bioinformatics, 2019, 35, 4140-4146.	4.1	48
12	The minimum information required for a glycomics experiment (MIRAGE) project: LC guidelines. Glycobiology, 2019, 29, 349-354.	2.5	30
13	GlycoStore: a database of retention properties for glycan analysis. Bioinformatics, 2018, 34, 3231-3232.	4.1	77
14	Building a PGC-LC-MS N-glycan retention library and elution mapping resource. Glycoconjugate Journal, 2018, 35, 15-29.	2.7	93
15	The minimum information required for a glycomics experiment (MIRAGE) project: improving the standards for reporting glycan microarray-based data. Glycobiology, 2017, 27, 280-284.	2.5	69
16	GlyTouCan: an accessible glycan structure repository. Glycobiology, 2017, 27, 915-919.	2.5	123
17	Databases and Associated Tools for Glycomics and Glycoproteomics. Methods in Molecular Biology, 2017, 1503, 235-264.	0.9	44
18	Navigating the Glycome Space and Connecting the Glycoproteome. Methods in Molecular Biology, 2017, 1558, 139-158.	0.9	4

#	Article	IF	Citations
19	Exploring the UniCarbKB Database. , 2017, , 197-214.		2
20	SugarBindDB. , 2017, , 247-260.		2
21	A Review of Software Applications and Databases for the Interpretation of Glycopeptide Data. Trends in Glycoscience and Glycotechnology, 2017, 29, E51-E62.	0.1	9
22	The minimum information required for a glycomics experiment (MIRAGE) project: sample preparation guidelines for reliable reporting of glycomics datasets. Glycobiology, 2016, 26, 907-910.	2.5	62
23	Comprehensive analysis of the N-glycan biosynthetic pathway using bioinformatics to generate UniCorn: A theoretical N-glycan structure database. Carbohydrate Research, 2016, 431, 56-63.	2.3	28
24	Quantitative profiling of glycans and glycopeptides: an informatics€™ perspective. Current Opinion in Structural Biology, 2016, 40, 70-80.	5.7	29
25	UniCarbKB: New database features for integrating glycan structure abundance, compositional glycoproteomics data, and disease associations. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1669-1675.	2.4	27
26	SugarBindDB, a resource of glycan-mediated host€"pathogen interactions. Nucleic Acids Research, 2016, 44, D1243-D1250.	14.5	40
27	GlycoMob: an ion mobility-mass spectrometry collision cross section database for glycomics. Glycoconjugate Journal, 2016, 33, 399-404.	2.7	73
28	Property Graph vs RDF Triple Store: A Comparison on Glycan Substructure Search. PLoS ONE, 2015, 10, e0144578.	2.5	37
29	GlycoRDF: an ontology to standardize glycomics data in RDF. Bioinformatics, 2015, 31, 919-925.	4.1	51
30	GlycoBase and autoGU: Resources for Interpreting HPLC-Glycan Data. Methods in Molecular Biology, 2015, 1273, 17-28.	0.9	26
31	UniCarbKB: Emergent Knowledgebase for Glycomics. , 2015, , 215-222.		1
32	SugarBindDB SugarBindDB : Resource of Pathogen Pathogen Lectin-Glycan Interactions Lectin-glycan interactions. , 2015, , 275-282.		0
33	MIRAGE: The minimum information required for a glycomics experiment. Glycobiology, 2014, 24, 402-406.	2.5	116
34	BioHackathon series in 2011 and 2012: penetration of ontology and linked data in life science domains. Journal of Biomedical Semantics, 2014, 5, 5.	1.6	47
35	Toolboxes for a standardised and systematic study of glycans. BMC Bioinformatics, 2014, 15, S9.	2.6	58
36	GlycoDigest: a tool for the targeted use of exoglycosidase digestions in glycan structure determination. Bioinformatics, 2014, 30, 3131-3133.	4.1	29

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37	UniCarbKB: building a knowledge platform for glycoproteomics. Nucleic Acids Research, 2014, 42, D215-D221.	14.5	147
38	Validation of the curation pipeline of UniCarb-DB: Building a global glycan reference MS/MS repository. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 108-116.	2.3	58
39	SugarBindDB, a Resource of Pathogen Lectin-Glycan Interactions. , 2014, , 1-7.		1
40	UniCarbKB: An Emergent Knowledge Base for Glycomics. , 2014, , 1-7.		0
41	SugarBindDB, a Resource of Pathogen Lectin-Glycan Interactions. , 2014, , 1-6.		1
42	Greedy feature selection for glycan chromatography data with the generalized Dirichlet distribution. BMC Bioinformatics, 2013, 14, 155.	2.6	4
43	Glycosylation status of serum in inflammatory arthritis in response to anti-TNF treatment. Rheumatology, 2013, 52, 1572-1582.	1.9	47
44	Introducing glycomics data into the Semantic Web. Journal of Biomedical Semantics, 2013, 4, 39.	1.6	46
45	Structural Feature Ions for Distinguishing *N-* and *O-*Linked Glycan Isomers by LC-ESI-IT MS/MS. Journal of the American Society for Mass Spectrometry, 2013, 24, 895-906.	2.8	122
46	Tandem mass spectra of glycan substructures enable the multistage mass spectrometric identification of determinants on oligosaccharides. Rapid Communications in Mass Spectrometry, 2013, 27, 931-939.	1.5	35
47	The Minimum Information Required for a Glycomics Experiment (MIRAGE) Project: Improving the Standards for Reporting Mass-spectrometry-based Glycoanalytic Data. Molecular and Cellular Proteomics, 2013, 12, 991-995.	3.8	109
48	Glycans, the forgotten biomolecular actors of the big picture. EMBnet Journal, 2012, 18, 87.	0.6	1
49	Symbol nomenclature for representing glycan structures: Extension to cover different carbohydrate types. Proteomics, 2011, 11, 4291-4295.	2.2	47
50	UniCarbKB: Putting the pieces together for glycomics research. Proteomics, 2011, 11, 4117-4121.	2.2	55
51	N-Glycans Modulate the Function of Human Corticosteroid-Binding Globulin. Molecular and Cellular Proteomics, 2011, 10, M111.009100.	3.8	65
52	UniCarb-DB: a database resource for glycomic discovery. Bioinformatics, 2011, 27, 1343-1344.	4.1	128
53	EUROCarbDB: An open-access platform for glycoinformatics. Glycobiology, 2011, 21, 493-502.	2.5	116
54	Connectivity and binding–site recognition: Applications relevant to drug design. Journal of Computational Chemistry, 2010, 31, 2677-2688.	3.3	11

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55	GlycoExtractor: A Web-Based Interface for High Throughput Processing of HPLC-Glycan Data. Journal of Proteome Research, 2010, 9, 2037-2041.	3.7	21
56	Proposal for a standard system for drawing structural diagrams of N‑and O‑linked carbohydrates and related compounds. Proteomics, 2009, 9, 3796-3801.	2.2	238
57	HPLC-based analysis of serum N-glycans on a 96-well plate platform with dedicated database software. Analytical Biochemistry, 2008, 376, 1-12.	2.4	449
58	GlycoBase and autoGU: tools for HPLC-based glycan analysis. Bioinformatics, 2008, 24, 1214-1216.	4.1	274
59	Entropy and Oligomerization in GPCRs. Journal of Molecular Neuroscience, 2005, 26, 113-122.	2.3	16
60	BioHackathon series in 2013 and 2014: improvements of semantic interoperability in life science data and services. F1000Research, 0, 8, 1677.	1.6	0