

# Nichollas E Scott

## List of Publications by Year in descending order

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96  
papers

4,313  
citations

101384

36  
h-index

138251

58  
g-index

119  
all docs

119  
docs citations

119  
times ranked

5969  
citing authors

#	ARTICLE	IF	CITATIONS
1	Getting more out of FLAG-Tag co-immunoprecipitation mass spectrometry experiments using FAIMS. <i>Journal of Proteomics</i> , 2022, 254, 104473.	1.2	2
2	Oxidative desulfurization pathway for complete catabolism of sulfoquinovose by bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	18
3	Characterization of the O-Glycoproteome of <i>Porphyromonas gingivalis</i> . <i>Microbiology Spectrum</i> , 2022, 10, e0150221.	1.2	11
4	Arginine glycosylation regulates UDP-GlcNAc biosynthesis in <i>Salmonella enterica</i> . <i>Scientific Reports</i> , 2022, 12, 5293.	1.6	7
5	The Phenylacetic Acid Catabolic Pathway Regulates Antibiotic and Oxidative Stress Responses in <i>Acinetobacter</i> . <i>MBio</i> , 2022, 13, e0186321.	1.8	18
6	Sculpting the Bacterial <i>O</i> -Glycoproteome: Functional Analyses of Orthologous Oligosaccharyltransferases with Diverse Targeting Specificities. <i>MBio</i> , 2022, 13, e0379721.	1.8	2
7	InvL, an Invasin-Like Adhesin, Is a Type II Secretion System Substrate Required for <i>Acinetobacter baumannii</i> Uropathogenesis. <i>MBio</i> , 2022, 13, .	1.8	11
8	Glycoproteomics. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	11.8	61
9	Glycoproteomics: growing up fast. <i>Current Opinion in Structural Biology</i> , 2021, 68, 18-25.	2.6	33
10	Proteomic Identification of <i>Coxiella burnetii</i> Effector Proteins Targeted to the Host Cell Mitochondria During Infection. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100005.	2.5	12
11	What Are We Missing by Using Hydrophilic Enrichment? Improving Bacterial Glycoproteome Coverage Using Total Proteome and FAIMS Analyses. <i>Journal of Proteome Research</i> , 2021, 20, 599-612.	1.8	43
12	A glycoengineered antigen exploiting a conserved protein O-glycosylation pathway in the <i>Burkholderia</i> genus for detection of glanders infections. <i>Virulence</i> , 2021, 12, 493-506.	1.8	5
13	SUGAR-seq enables simultaneous detection of glycans, epitopes, and the transcriptome in single cells. <i>Science Advances</i> , 2021, 7, .	4.7	46
14	Editorial overview: Systems biology and the rise and rise of omics approaches. <i>Current Opinion in Chemical Biology</i> , 2021, 60, A1-A3.	2.8	1
15	Arginine glycosylation enhances methylglyoxal detoxification. <i>Scientific Reports</i> , 2021, 11, 3834.	1.6	10
16	Yeast- and antibody-based tools for studying tryptophan C-mannosylation. <i>Nature Chemical Biology</i> , 2021, 17, 428-437.	3.9	17
17	TLR2-mediated activation of innate responses in the upper airways confers antiviral protection of the lungs. <i>JCI Insight</i> , 2021, 6, .	2.3	15
18	Nanobody cocktails potentially neutralize SARS-CoV-2 D614G N501Y variant and protect mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	109

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19	NleB2 from enteropathogenic <i>Escherichia coli</i> is a novel arginine-glucose transferase effector. <i>PLoS Pathogens</i> , 2021, 17, e1009658.	2.1	9
20	An atlas of protein-protein interactions across mouse tissues. <i>Cell</i> , 2021, 184, 4073-4089.e17.	13.5	59
21	Synthesis of C-Mannosylated Glycopeptides Enabled by Ni-Catalyzed Photoreductive Cross-Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2021, 143, 12699-12707.	6.6	39
22	Modern <i>Acinetobacter baumannii</i> clinical isolates replicate inside spacious vacuoles and egress from macrophages. <i>PLoS Pathogens</i> , 2021, 17, e1009802.	2.1	21
23	BonA from <i>Acinetobacter baumannii</i> Forms a Divisome-Localized Decamer That Supports Outer Envelope Function. <i>MBio</i> , 2021, 12, e0148021.	1.8	5
24	Characterization of the O-Glycoproteome of <i>Tannerella forsythia</i> . <i>MSphere</i> , 2021, 6, e0064921.	1.3	5
25	<i>Burkholderia</i> PglL enzymes are Serine preferring oligosaccharyltransferases which target conserved proteins across the <i>Burkholderia</i> genus. <i>Communications Biology</i> , 2021, 4, 1045.	2.0	4
26	Development and Immunogenicity of a Prototype Multivalent Group B <i>Streptococcus</i> Bioconjugate Vaccine. <i>ACS Infectious Diseases</i> , 2021, 7, 3111-3123.	1.8	7
27	Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. <i>Nature Methods</i> , 2021, 18, 1304-1316.	9.0	74
28	The Application of Open Searching-based Approaches for the Identification of <i>Acinetobacter baumannii</i> O-linked Glycopeptides. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	2
29	Biogenesis of the Spacious <i>Coxiella</i> -Containing Vacuole Depends on Host Transcription Factors TFEB and TFE3. <i>Infection and Immunity</i> , 2020, 88, .	1.0	12
30	Humoral and circulating follicular helper T cell responses in recovered patients with COVID-19. <i>Nature Medicine</i> , 2020, 26, 1428-1434.	15.2	400
31	2020 FASEB Science Research Conference on Microbial Glycobiology, July 13-14, 2020. <i>FASEB Journal</i> , 2020, 34, 14069-14072.	0.2	0
32	The Glycoprotease CpaA Secreted by Medically Relevant <i>Acinetobacter</i> Species Targets Multiple O-Linked Host Glycoproteins. <i>MBio</i> , 2020, 11, .	1.8	31
33	The <i>Salmonella</i> Effector SseK3 Targets Small Rab GTPases. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 419.	1.8	16
34	CDK13 cooperates with CDK12 to control global RNA polymerase II processivity. <i>Science Advances</i> , 2020, 6, .	4.7	79
35	Open Database Searching Enables the Identification and Comparison of Bacterial Glycoproteomes without Defining Glycan Compositions Prior to Searching. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1561-1574.	2.5	28
36	Trefoil factors share a lectin activity that defines their role in mucus. <i>Nature Communications</i> , 2020, 11, 2265.	5.8	34

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37	Influence of Protein Glycosylation on <i>Campylobacter fetus</i> Physiology. <i>Frontiers in Microbiology</i> , 2020, 11, 1191.	1.5	7
38	An intra-bacterial activity for a T3SS effector. <i>Scientific Reports</i> , 2020, 10, 1073.	1.6	30
39	A Sulfolglycolytic Entner-Doudoroff Pathway in <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> SRDI565. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	14
40	Characterization of the <i>Citrobacter rodentium</i> Cpx regulon and its role in host infection. <i>Molecular Microbiology</i> , 2019, 111, 700-716.	1.2	15
41	A general protein O-glycosylation machinery conserved in <i>Burkholderia</i> species improves bacterial fitness and elicits glycan immunogenicity in humans. <i>Journal of Biological Chemistry</i> , 2019, 294, 13248-13268.	1.6	27
42	Expanding our understanding of the role of microbial glycoproteomes through high-throughput mass spectrometry approaches. <i>Glycoconjugate Journal</i> , 2019, 36, 259-266.	1.4	2
43	Peptidyl-Prolyl Isomerase <i>ppiB</i> Is Essential for Proteome Homeostasis and Virulence in <i>Burkholderia pseudomallei</i> . <i>Infection and Immunity</i> , 2019, 87, .	1.0	12
44	Rewiring of the Human Mitochondrial Interactome during Neuronal Reprogramming Reveals Regulators of the Respirasome and Neurogenesis. <i>IScience</i> , 2019, 19, 1114-1132.	1.9	38
45	Urinary tract colonization is enhanced by a plasmid that regulates uropathogenic <i>Acinetobacter baumannii</i> chromosomal genes. <i>Nature Communications</i> , 2019, 10, 2763.	5.8	80
46	Salmonella Effectors SseK1 and SseK3 Target Death Domain Proteins in the TNF and TRAIL Signaling Pathways*. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1138-1156.	2.5	55
47	A platform for glycoengineering a polyvalent pneumococcal bioconjugate vaccine using <i>E. coli</i> as a host. <i>Nature Communications</i> , 2019, 10, 891.	5.8	60
48	A promising bioconjugate vaccine against hypervirulent <i>Klebsiella pneumoniae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18655-18663.	3.3	116
49	Low pH Exposure During Immunoglobulin G Purification Methods Results in Aggregates That Avidly Bind Fc $\gamma$ 3 Receptors: Implications for Measuring Fc Dependent Antibody Functions. <i>Frontiers in Immunology</i> , 2019, 10, 2415.	2.2	35
50	Loss of O-Linked Protein Glycosylation in <i>Burkholderia cenocepacia</i> Impairs Biofilm Formation and Siderophore Activity and Alters Transcriptional Regulators. <i>MSphere</i> , 2019, 4, .	1.3	12
51	Proteomics Reveals Multiple Phenotypes Associated with N-linked Glycosylation in <i>Campylobacter jejuni</i> . <i>Molecular and Cellular Proteomics</i> , 2019, 18, 715-734.	2.5	70
52	Protein O-fucosyltransferase mediated O-glycosylation of the adhesin MIC2 is dispensable for <i>Toxoplasma gondii</i> tachyzoite infection. <i>Journal of Biological Chemistry</i> , 2019, 294, 1541-1553.	1.6	20
53	Profiling the <i>Escherichia coli</i> membrane protein interactome captured in Peptidisc libraries. <i>ELife</i> , 2019, 8, .	2.8	54
54	Surface Exposure and Packing of Lipoproteins into Outer Membrane Vesicles Are Coupled Processes in <i>Bacteroides</i> . <i>MSphere</i> , 2018, 3, .	1.3	57

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55	Transmission of Cricket paralysis virus via exosome-like vesicles during infection of <i>Drosophila</i> cells. <i>Scientific Reports</i> , 2018, 8, 17353.	1.6	8
56	Synthesis and use of 6,6,6-trifluoro-L-fucose to block core-fucosylation in hybridoma cell lines. <i>Carbohydrate Research</i> , 2018, 465, 4-9.	1.1	13
57	Interactome disassembly during apoptosis occurs independent of caspase cleavage. <i>Molecular Systems Biology</i> , 2017, 13, 906.	3.2	49
58	A forward genetic screen identifies a negative regulator of rapid Ca <sup>2+</sup> -dependent cell egress (MS1) in the intracellular parasite <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 7662-7674.	1.6	27
59	Pathogenic <i>Acinetobacter</i> species have a functional type I secretion system and contact-dependent inhibition systems. <i>Journal of Biological Chemistry</i> , 2017, 292, 9075-9087.	1.6	73
60	The Type III Effector NleD from Enteropathogenic <i>Escherichia coli</i> Differentiates between Host Substrates p38 and JNK. <i>Infection and Immunity</i> , 2017, 85, .	1.0	13
61	Protein O-fucosylation in <i>Plasmodium falciparum</i> ensures efficient infection of mosquito and vertebrate hosts. <i>Nature Communications</i> , 2017, 8, 561.	5.8	63
62	The bacterial arginine glycosyltransferase effector NleB preferentially modifies Fas-associated death domain protein (FADD). <i>Journal of Biological Chemistry</i> , 2017, 292, 17337-17350.	1.6	53
63	The role of mass spectrometry analysis in bacterial effector characterization. <i>Biochemical Journal</i> , 2017, 474, 2779-2784.	1.7	2
64	Post-translational Mechanisms of Host Subversion by Bacterial Effectors. <i>Trends in Molecular Medicine</i> , 2017, 23, 1088-1102.	3.5	17
65	A Map of Human Mitochondrial Protein Interactions Linked to Neurodegeneration Reveals New Mechanisms of Redox Homeostasis and NF- $\kappa$ B Signaling. <i>Cell Systems</i> , 2017, 5, 564-577.e12.	2.9	44
66	Characterizing Glycoproteins by Mass Spectrometry in <i>Campylobacter jejuni</i> . <i>Methods in Molecular Biology</i> , 2017, 1512, 211-232.	0.4	1
67	A rapid and accurate approach for prediction of interactomes from co-elution data (PrInCE). <i>BMC Bioinformatics</i> , 2017, 18, 457.	1.2	54
68	Protein O-linked glycosylation in the plant pathogen <i>Ralstonia solanacearum</i> . <i>Glycobiology</i> , 2016, 26, cwv098.	1.3	32
69	Genetic Dissection of the Type VI Secretion System in <i>Acinetobacter</i> and Identification of a Novel Peptidoglycan Hydrolase, TagX, Required for Its Biogenesis. <i>MBio</i> , 2016, 7, .	1.8	110
70	Cardiac Ryanodine Receptor (Ryr2)-mediated Calcium Signals Specifically Promote Glucose Oxidation via Pyruvate Dehydrogenase. <i>Journal of Biological Chemistry</i> , 2016, 291, 23490-23505.	1.6	23
71	<i>Acinetobacter</i> strains carry two functional oligosaccharyltransferases, one devoted exclusively to type IV pilin, and the other one dedicated to O-glycosylation of multiple proteins. <i>Molecular Microbiology</i> , 2015, 96, 1023-1041.	1.2	90
72	Structure of human ST8SialII sialyltransferase provides insight into cell-surface polysialylation. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 627-635.	3.6	62

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73	Development of a computational framework for the analysis of protein correlation profiling and spatial proteomics experiments. <i>Journal of Proteomics</i> , 2015, 118, 112-129.	1.2	30
74	Novel Host Proteins and Signaling Pathways in Enteropathogenic <i>E. coli</i> Pathogenesis Identified by Global Phosphoproteome Analysis *. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1927-1945.	2.5	32
75	Clinical implications of glycoproteomics for <i>Acinetobacter baumannii</i> . <i>Expert Review of Proteomics</i> , 2015, 12, 1-3.	1.3	11
76	High-Frequency Variation of Purine Biosynthesis Genes Is a Mechanism of Success in <i>Campylobacter jejuni</i> . <i>MBio</i> , 2015, 6, e00612-15.	1.8	13
77	Enrichment and Identification of Bacterial Glycopeptides by Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2015, 1295, 355-368.	0.4	13
78	A general protein <i>O</i> -glycosylation system within the <i>Bacteroides cepacia</i> complex is involved in motility and virulence. <i>Molecular Microbiology</i> , 2014, 92, 116-137.	1.2	56
79	Comparative Proteomics and Glycoproteomics Reveal Increased N-Linked Glycosylation and Relaxed Sequon Specificity in <i>Campylobacter jejuni</i> NCTC11168 O. <i>Journal of Proteome Research</i> , 2014, 13, 5136-5150.	1.8	48
80	Diversity Within the O-linked Protein Glycosylation Systems of <i>Acinetobacter</i> Species. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 2354-2370.	2.5	64
81	Site-Specific Glycan-Peptide Analysis for Determination of <i>N</i> -Glycoproteome Heterogeneity. <i>Journal of Proteome Research</i> , 2013, 12, 5791-5800.	1.8	153
82	In Vitro Activity of <i>Neisseria meningitidis</i> PglL O-Oligosaccharyltransferase with Diverse Synthetic Lipid Donors and a UDP-activated Sugar. <i>Journal of Biological Chemistry</i> , 2013, 288, 10578-10587.	1.6	22
83	A common pathway for <i>O</i> -linked protein glycosylation and synthesis of capsule in <i>Acinetobacter baumannii</i> . <i>Molecular Microbiology</i> , 2013, 89, 816-830.	1.2	158
84	Secretome of Transmissible <i>Pseudomonas aeruginosa</i> AES-1R Grown in a Cystic Fibrosis Lung-Like Environment. <i>Journal of Proteome Research</i> , 2013, 12, 5357-5369.	1.8	18
85	Identification of a General O-linked Protein Glycosylation System in <i>Acinetobacter baumannii</i> and Its Role in Virulence and Biofilm Formation. <i>PLoS Pathogens</i> , 2012, 8, e1002758.	2.1	196
86	Diversity in the Protein N-Glycosylation Pathways Within the <i>Campylobacter</i> Genus. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1203-1219.	2.5	84
87	Modification of the <i>Campylobacter jejuni</i> N-Linked Glycan by EptC Protein-mediated Addition of Phosphoethanolamine. <i>Journal of Biological Chemistry</i> , 2012, 287, 29384-29396.	1.6	63
88	Simultaneous Glycan-Peptide Characterization Using Hydrophilic Interaction Chromatography and Parallel Fragmentation by CID, Higher Energy Collisional Dissociation, and Electron Transfer Dissociation MS Applied to the N-Linked Glycoproteome of <i>Campylobacter jejuni</i> . <i>Molecular and Cellular Proteomics</i> , 2011, 10, S1-S18.	2.5	265
89	Proteomics of the oxidative stress response induced by hydrogen peroxide and paraquat reveals a novel AhpC-like protein in <i>Pseudomonas aeruginosa</i> . <i>Proteomics</i> , 2011, 11, 3056-3069.	1.3	27
90	Quantitative N-linked Glycoproteomics of Myocardial Ischemia and Reperfusion Injury Reveals Early Remodeling in the Extracellular Environment. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.006833.	2.5	101

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91	Sequence TTKFâ†“QE Defines the Site of Proteolytic Cleavage in Mhp683 Protein, a Novel Glycosaminoglycan and Cilium Adhesin of <i>Mycoplasma hyopneumoniae</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 41217-41229.	1.6	47
92	Mass spectrometric characterization of the <i>Campylobacter jejuni</i> adherence factor CadF reveals post-translational processing that removes immunogenicity while retaining fibronectin binding. <i>Proteomics</i> , 2010, 10, 277-288.	1.3	30
93	Mass Spectrometric Characterization of the Surface-Associated 42 kDa Lipoprotein JlpA as a Glycosylated Antigen in Strains of <i>Campylobacter jejuni</i> . <i>Journal of Proteome Research</i> , 2009, 8, 4654-4664.	1.8	41
94	<i>Campylobacter</i> proteomics: guidelines, challenges and future perspectives. <i>Expert Review of Proteomics</i> , 2009, 6, 61-74.	1.3	16
95	Identification of membrane-associated proteins from <i>Campylobacter jejuni</i> strains using complementary proteomics technologies. <i>Proteomics</i> , 2008, 8, 122-139.	1.3	87
96	An Atlas of Protein-Protein Interactions Across Mammalian Tissues. <i>SSRN Electronic Journal</i> , 0, , .	0.4	8