Nicholas A Williamson

List of Publications by Year
in descending order

101	8,429	94381 37	48277 88
papers	citations	h-index	g-index

108	108	108	12806
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Getting more out of FLAG-Tag co-immunoprecipitation mass spectrometry experiments using FAIMS. Journal of Proteomics, 2022, 254, 104473.	1.2	2
2	Deep proteomic profiling unveils arylsulfatase A as a non-alcoholic steatohepatitis inducible hepatokine and regulator of glycemic control. Nature Communications, 2022, 13, 1259.	5.8	11
3	Turbulence structure in a very sharp thermally stratified open-channel meander. Physics of Fluids, 2022, 34, 035130.	1.6	6
4	Reaction hijacking of tyrosine tRNA synthetase as a new whole-of-life-cycle antimalarial strategy. Science, 2022, 376, 1074-1079.	6.0	25
5	Phosphomatics: interactive interrogation of substrateâ€“kinase networks in global phosphoproteomics datasets. Bioinformatics, 2021, 37, 1635-1636.	1.8	12
6	What Are We Missing by Using Hydrophilic Enrichment? Improving Bacterial Glycoproteome Coverage Using Total Proteome and FAIMS Analyses. Journal of Proteome Research, 2021, 20, 599-612.	1.8	43
7	Expanding the allergen repertoire of salmon and catfish. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1443-1453.	2.7	46
8	A role for Rab30 in retrograde trafficking and maintenance of endosome-TGN organization. Experimental Cell Research, 2021, 399, 112442.	1.2	7
9	Membrane-Enriched Proteomics Link Ribosome Accumulation and Proteome Reprogramming With Cold Acclimation in Barley Root Meristems. Frontiers in Plant Science, 2021, 12, 656683.	1.7	15
10	Prednisolone Alters Endometrial Decidual Cells and Affects Decidual-Trophoblast Interactions. Frontiers in Cell and Developmental Biology, 2021, 9, 647496.	1.8	5
11	Occupational Allergic Sensitization Among Workers Processing King Crab (Paralithodes) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Allergenic Proteins. Frontiers in Allergy, 2021, 2, 718824.	1.2	5
12	Hexosaminidase A (HEXA) regulates hepatic sphingolipid and lipoprotein metabolism in mice. FASEB Journal, 2021, 35, e22046.	0.2	8
13	The developmental phosphoproteome of Haemonchus contortus. Journal of Proteomics, 2020, 213, 103615.	1.2	21
14	Discovery and characterisation of circular bacteriocin plantacyclin B21AG from Lactiplantibacillus plantarum B21. Heliyon, 2020, 6, e04715.	1.4	35
15	Destratification of thermally stratified turbulent open-channel flow by surface cooling. Journal of Fluid Mechanics, 2020, 899, .	1.4	9
16	Proteomics reveals region-specific hemostatic alterations in response to mechanical ventilation in a preterm lamb model of lung injury. Thrombosis Research, 2020, 196, 466-475.	0.8	5
17	Galectin-7 Impairs Placentation and Causes Preeclampsia Features in Mice. Hypertension, 2020, 76, 1185-1194.	1.3	17
18	Collagenâ€”An Important Fish Allergen for Improved Diagnosis. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 3084-3092.e10.	2.0	26

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19	The ataxin-1 interactome reveals direct connection with multiple disrupted nuclear transport pathways. Nature Communications, 2020, 11, 3343.	5.8	15
20	Lipid composition and abundance in the reproductive and alimentary tracts of female Haemonchus contortus. Parasites and Vectors, 2020, 13, 338.	1.0	13
21	Tropomyosin Is A Novel Major Fish Allergen Of Unrecognized Importance. Journal of Allergy and Clinical Immunology, 2020, 145, AB226.	1.5	4
22	Quantitative lipidomic analysis of Ascaris suum. PLoS Neglected Tropical Diseases, 2020, 14, e0008848.	1.3	5
23	Quantitative lipidomic analysis of Ascaris suum. , 2020, 14, e0008848.		0
24	Quantitative lipidomic analysis of Ascaris suum. , 2020, 14, e0008848.		0
25	Quantitative lipidomic analysis of Ascaris suum. , 2020, 14, e0008848.		0
26	Quantitative lipidomic analysis of Ascaris suum. , 2020, 14, e0008848.		0
27	Evolution of thermally stratified turbulent open channel flow after removal of the heat source. Journal of Fluid Mechanics, 2019, 876, 356-412.	1.4	15
28	Dafachronic acid promotes larval development in Haemonchus contortus by modulating dauer signalling and lipid metabolism. PLoS Pathogens, 2019, 15, e1007960.	2.1	31
29	Preterm Lung Exhibits Distinct Spatiotemporal Proteome Expression at Initiation of Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 631-642.	1.4	19
30	High throughput LC-MS/MS-based proteomic analysis of excretory-secretory products from short-term in vitro culture of Haemonchus contortus. Journal of Proteomics, 2019, 204, 103375.	1.2	44
31	Quantitative proteomic analyses of dynamic signalling events in cortical neurons undergoing excitotoxic cell death. Cell Death and Disease, 2019, 10, 213.	2.7	16
32	Somatic proteome of Haemonchus contortus. International Journal for Parasitology, 2019, 49, 311-320.	1.3	38
33	Variability of allergens in commercial fish extracts for skin prick testing. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 1352-1363.	2.7	42
34	Intersectin-1 interacts with the golgin GCC88 to couple the actin network and Golgi architecture. Molecular Biology of the Cell, 2019, 30, 370-386.	0.9	30
35	Biologically active constituents of the secretome of human W8B2+ cardiac stem cells. Scientific Reports, 2018, 8, 1579.	1.6	26
36	Operational Experience of an Open-Access, Subscription-Based Mass Spectrometry and Proteomics Facility. Journal of the American Society for Mass Spectrometry, 2018, 29, 439-446.	1.2	3

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37	The developmental lipidome of Haemonchus contortus. International Journal for Parasitology, 2018, 48, 887-895.	1.3	30
38	Molecular alterations during larval development of Haemonchus contortus in vitro are under tight post-transcriptional control. International Journal for Parasitology, 2018, 48, 763-772.	1.3	30
39	Complementary proteomics strategies capture an ataxin-1 interactome in Neuro-2a cells. Scientific Data, 2018, 5, 180262.	2.4	8
40	A proteomic characterization shows differences in the milk fat globule membrane of buffalo and bovine milk. Food Bioscience, 2017, 19, 7-16.	2.0	23
41	The bacterial arginine glycosyltransferase effector NleB preferentially modifies Fas-associated death domain protein (FADD). Journal of Biological Chemistry, 2017, 292, 17337-17350.	1.6	53
42	A rigorous method to enrich for exosomes from brain tissue. Journal of Extracellular Vesicles, 2017, 6, 1348885.	5.5	218
43	Disrupting assembly of the inner membrane complex blocks Plasmodium falciparum sexual stage development. PLoS Pathogens, 2017, 13, e1006659.	2.1	69
44	Tear Interferon-Gamma as a Biomarker for Evaporative Dry Eye Disease. , 2016, 57, 4824.		61
45	Changes in the Cytoplasmic Composition of Amino Acids and Proteins Observed in Staphylococcus aureus during Growth under Variable Growth Conditions Representative of the Human Wound Site. PLoS ONE, 2016, 11, e0159662.	1.1	23
46	A beacon of hope in stroke therapyâ€"Blockade of pathologically activated cellular events in excitotoxic neuronal death as potential neuroprotective strategies. , 2016, 160, 159-179.		35
47	Aurora A phosphorylation of WD40-repeat protein 62 in mitotic spindle regulation. Cell Cycle, 2016, 15, 413-424.	1.3	26
48	Opposing roles for JNK and Aurora A in regulating WD40-Repeat Protein 62 association with spindle microtubules. Journal of Cell Science, 2015, 128, 527-40.	1.2	41
49	Transition to stably stratified states in open channel flow with radiative surface heating. Journal of Fluid Mechanics, 2015, 766, 528-555.	1.4	22
50	FunRich: An open access standalone functional enrichment and interaction network analysis tool. Proteomics, 2015, 15, 2597-2601.	1.3	1,145
51	Pancreatic Beta Cells Are Highly Susceptible to Oxidative and ER Stresses during the Development of Diabetes. Journal of Proteome Research, 2015, 14, 688-699.	1.8	30
52	C-terminal Src kinase-homologous kinase (CHK), a unique inhibitor inactivating multiple active conformations of Src family tyrosine kinases.. Journal of Biological Chemistry, 2015, 290, 240.	1.6	0
53	T-cell activation by transitory neo-antigens derived from distinct microbial pathways. Nature, 2014, 509, 361-365.	13.7	731
54	A type III effector antagonizes death receptor signalling during bacterial gut infection. Nature, 2013, 501, 247-251.	13.7	238

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55	Species differences in the neuromuscular activity of post-synaptic neurotoxins from two Australian black snakes (Pseudechis porphyriacus and Pseudechis colletti). Toxicology Letters, 2013, 219, 262-268.	0.4	22
56	A Truncated Fragment of Src Protein Kinase Generated by Calpain-mediated Cleavage Is a Mediator of Neuronal Death in Excitotoxicity. Journal of Biological Chemistry, 2013, 288, 9696-9709.	1.6	42
57	Modulation of Conotoxin Structure and Function Is Achieved through a Multienzyme Complex in the Venom Glands of Cone Snails. Journal of Biological Chemistry, 2012, 287, 34288-34303.	1.6	41
58	MR1 presents microbial vitamin B metabolites to MAIT cells. Nature, 2012, 491, 717-723.	13.7	1,158
59	Lateral circulation in a stratified open channel on a 120Â° bend. Water Resources Research, 2012, 48, .	1.7	5
60	Immune self-reactivity triggered by drug-modified HLA-peptide repertoire. Nature, 2012, 486, 554-558.	13.7	612
61	Secreted HLA recapitulates the immunopeptidome and allows in-depth coverage of HLA A*02:01 ligands. Molecular Immunology, 2012, 51, 136-142.	1.0	43
62	Specialisation of the Venom Gland Proteome in Predatory Cone Snails Reveals Functional Diversification of the Conotoxin Biosynthetic Pathway. Journal of Proteome Research, 2011, 10, 3904-3919.	1.8	42
63	Defining the Substrate Specificity Determinants Recognized by the Active Site of C-Terminal Src Kinase-Homologous Kinase (CHK) and Identification of Î²-Synuclein as a Potential CHK Physiological Substrate. Biochemistry, 2011, 50, 6667-6677.	1.2	16
64	A novel strategy for the targeted analysis of protein and peptide metabolites. Proteomics, 2011, 11, 183-192.	1.3	5
65	Direct quantitation of MHCâ€bound peptide epitopes by selected reaction monitoring. Proteomics, 2011, 11, 2336-2340.	1.3	66
66	Embryonic Toxin Expression in the Cone Snail Conus victoriae. Journal of Biological Chemistry, 2011, 286, 22546-22557.	1.6	31
67	Stable isotope shifted matrices enable the use of low mass ion precursor scanning for targeted metabolite identification. Proteome Science, 2011, 9, 2.	0.7	2
68	A Modular BAM Complex in the Outer Membrane of the Î±-Proteobacterium Caulobacter crescentus. PLoS ONE, 2010, 5, e8619.	1.1	62
69	Constraints within major histocompatibility complex class I restricted peptides: Presentation and consequences for T-cell recognition. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5534-5539.	3.3	58
70	Molecular Markers of Preterm Labor in the Choriodecidua. Reproductive Sciences, 2010, 17, 297-310.	1.1	43
71	Identification of Conus Peptidylprolyl Cis-Trans Isomerases (PPIases) and Assessment of Their Role in the Oxidative Folding of Conotoxins. Journal of Biological Chemistry, 2010, 285, 12735-12746.	1.6	32
72	Proteomic Interrogation of Venom Delivery in Marine Cone Snails: Novel Insights into the Role of the Venom Bulb. Journal of Proteome Research, 2010, 9, 5610-5619.	1.8	31

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73	A novel strategy for the targeted analysis of protein and peptide metabolites. Nature Precedings, 2009, , .	0.1	0
74	Phosphorylated self-peptides alter human leukocyte antigen class I-restricted antigen presentation and generate tumor-specific epitopes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2776-2781.	3.3	69
75	Mass Spectral Identification of Vc1.1 and Differential Distribution of Conopeptides in the Venom Duct of Conus victoriae. Effect of Post-Translational Modifications and Disulfide Isomerisation on Bioactivity. International Journal of Peptide Research and Therapeutics, 2009, 15, 195-203.	0.9	14
76	The A-chain of insulin is a hot-spot for CD4+ T cell epitopes in human type 1 diabetes. Clinical and Experimental Immunology, 2009, 156, 226-231.	1.1	40
77	Human Leukocyte Antigen Class I-Restricted Activation of CD8+ T Cells Provides the Immunogenetic Basis of a Systemic Drug Hypersensitivity. Immunity, 2008, 29, 165.	6.6	3
78	Human Leukocyte Antigen Class I-Restricted Activation of CD8+ T Cells Provides the Immunogenetic Basis of a Systemic Drug Hypersensitivity. Immunity, 2008, 28, 822-832.	6.6	309
79	Refinement in the production and purification of recombinant HCMV IE1â€“pp65 protein for the generation of epitope-specific T cell immunity. Protein Expression and Purification, 2008, 61, 22-30.	0.6	3
80	The molecular basis of cross-reactivity in the Australian Snake Venom Detection Kit (SVDK). Toxicon, 2007, 50, 1041-1052.	0.8	34
81	Expression and purification of the minor histocompatibility antigen, HA-1H generated in Escherichia coli. Protein Expression and Purification, 2007, 54, 176-182.	0.6	1
82	A T cell receptor flattens a bulged antigenic peptide presented by a major histocompatibility complex class I molecule. Nature Immunology, 2007, 8, 268-276.	7.0	206
83	A structural basis for selection and cross-species reactivity of the semi-invariant NKT cell receptor in CD1d/glycolipid recognition. Journal of Experimental Medicine, 2006, 203, 661-673.	4.2	105
84	Tumors reveal their secrets to cytotoxic T cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14649-14650.	3.3	11
85	C-terminal Src Kinase-homologous Kinase (CHK), a Unique Inhibitor Inactivating Multiple Active Conformations of Src Family Tyrosine Kinases. Journal of Biological Chemistry, 2006, 281, 32988-32999.	1.6	40
86	Exploiting Information Inherent in Binding Sites of Virus-Specific Antibodies: Design of An HCV Vaccine Candidate Cross-Reactive with Multiple Genotypes. Antiviral Therapy, 2006, 11, 1005-1014.	0.6	15
87	T Cell Determinants Incorporating Î²-Amino Acid Residues Are Protease Resistant and Remain Immunogenic In Vivo. Journal of Immunology, 2005, 175, 3810-3818.	0.4	56
88	Use of proteomics to define targets of T-cell immunity. Expert Review of Proteomics, 2005, 2, 367-380.	1.3	11
89	Dopamine promotes Î±â€synuclein aggregation into SDSâ€resistant soluble oligomers via a distinct folding pathway. FASEB Journal, 2005, 19, 1377-1379.	0.2	239
90	The immunogenicity of a viral cytotoxic T cell epitope is controlled by its MHC-bound conformation. Journal of Experimental Medicine, 2005, 202, 1249-1260.	4.2	82

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91	The insulin A-chain epitope recognized by human T cells is posttranslationally modified. Journal of Experimental Medicine, 2005, 202, 1191-1197.	4.2	201
92	Characterization of presenilin complexes from mouse and human brain using Blue Native gel electrophoresis reveals high expression in embryonic brain and minimal change in complex mobility with pathogenic presenilin mutations. FEBS Journal, 2004, 271, 375-385.	0.2	22
93	Interaction of the Molecular Chaperone Î±B-Crystallin with Î±-Synuclein: Effects on Amyloid Fibril Formation and Chaperone Activity. Journal of Molecular Biology, 2004, 340, 1167-1183.	2.0	198
94	Proteasome-mediated degradation of the C-terminus of the Alzheimer's disease ?-amyloid protein precursor: Effect of C-terminal truncation on production of ?-amyloid protein. Journal of Neuroscience Research, 2003, 74, 378-385.	1.3	66
95	Structure of the Alzheimer's Disease Amyloid Precursor Protein Copper Binding Domain. Journal of Biological Chemistry, 2003, 278, 17401-17407.	1.6	248
96	Neurotoxic, Redox-competent Alzheimer's Î²-Amyloid Is Released from Lipid Membrane by Methionine Oxidation. Journal of Biological Chemistry, 2003, 278, 42959-42965.	1.6	176
97	Modulation of the Catalytic Activity of the Src Family Tyrosine Kinase Hck by Autophosphorylation at a Novel Site in the Unique Domain. Journal of Biological Chemistry, 2000, 275, 33353-33364.	1.6	26
98	Dual Requirement for a Newly Identified Phosphorylation Site in p70^{s6k}. Molecular and Cellular Biology, 1997, 17, 5648-5655.	1.1	99
99	Post-Translational Processing of Rat Ribosomal Proteins. Ubiquitous Methylation of Lys22 within the Zinc-Finger Motif of RL40 (Carboxy-Terminal Extension Protein 52) and Tissue-Specific Methylation of Lys4 in RL29. FEBS Journal, 1997, 246, 786-793.	0.2	25
100	The Yeast Homolog of Mammalian Ribosomal Protein S30 Is Expressed from a Duplicated Gene without a Ubiquitin-like Protein Fusion Sequence. Journal of Biological Chemistry, 1996, 271, 13549-13555.	1.6	41
101	The principal target of rapamycin-induced p70s6k inactivation is a novel phosphorylation site within a conserved hydrophobic domain.. EMBO Journal, 1995, 14, 5279-5287.	3.5	387