Brett S Phinney

List of Publications by Year
in descending order

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115	6,785	76326	71685
papers	citations	40 h-index	76 g-index

121	121	121	11022
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolic Enzyme Alterations and Astrocyte Dysfunction in a Murine Model of Alexander Disease With Severe Reactive Gliosis. Molecular and Cellular Proteomics, 2022, 21, 100180.	3.8	3
2	Proximity proteomics of C9orf72 dipeptide repeat proteins identifies molecular chaperones as modifiers of poly-GA aggregation. Acta Neuropathologica Communications, 2022, 10, 22.	5.2	22
3	De Novo Arginine Synthesis Is Required for Full Virulence of Xanthomonas arboricola pv. juglandis During Walnut Bacterial Blight Disease. Phytopathology, 2022, 112, 1500-1512.	2.2	4
4	Interactomic analysis reveals a homeostatic role for the HIV restriction factor TRIM5Î± in mitophagy. Cell Reports, 2022, 39, 110797.	6.4	11
5	Novel application of automated machine learning with MALDI-TOF-MS for rapid high-throughput screening of COVID-19: a proof of concept. Scientific Reports, 2021, 11, 8219.	3.3	55
6	Quantitative label-free proteomics and biochemical analysis of Phaeodactylum tricornutum cultivation on dairy manure wastewater. Journal of Applied Phycology, 2021, 33, 2105-2121.	2.8	10
7	Divergent and self-reactive immune responses in the CNS of COVID-19 patients with neurological symptoms. Cell Reports Medicine, 2021, 2, 100288.	6.5	121
8	Genome-wide CRISPRi screening identifies OCIAD1 as a prohibitin client and regulatory determinant of mitochondrial Complex III assembly in human cells. ELife, 2021, 10, .	6.0	20
9	AMELY deletion is not detected in systematically sampled reference populations: A Reply to Åtamfelj. Journal of Archaeological Science, 2021, 130, 105354.	2.4	8
10	ATG9A protects the plasma membrane from programmed and incidental permeabilization. Nature Cell Biology, 2021, 23, 846-858.	10.3	43
11	Elucidation of familial relationships using hair shaft proteomics. Forensic Science International: Genetics, 2021, 54, 102564.	3.1	6
12	A Secreted Chorismate Mutase from Xanthomonas arboricola pv. juglandis Attenuates Virulence and Walnut Blight Symptoms. International Journal of Molecular Sciences, 2021, 22, 10374.	4.1	2
13	Alternative LCâ€“MS/MS Platforms and Data Acquisition Strategies for Proteomic Genotyping of Human Hair Shafts. Journal of Proteome Research, 2021, 20, 4655-4666.	3.7	2
14	Mammalian hybrid pre-autophagosomal structure HyPAS generates autophagosomes. Cell, 2021, 184, 5950-5969.e22.	28.9	54
15	Galectin-3 Coordinates a Cellular System for Lysosomal Repair and Removal. Developmental Cell, 2020, 52, 69-87.e8.	7.0	198
16	Proteome Analysis of Walnut Bacterial Blight Disease. International Journal of Molecular Sciences, 2020, 21, 7453.	4.1	12
17	A comparison of proteomic, genomic, and osteological methods of archaeological sex estimation. Scientific Reports, 2020, 10, 11897.	3.3	40
18	Comparative Proteomic Analysis of Walnut (Juglans regia L.) Pellicle Tissues Reveals the Regulation of Nut Quality Attributes. Life, 2020, 10, 314.	2.4	8

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19	Deep Learning Neural Network Prediction Method Improves Proteome Profiling of Vascular Sap of Grapevines during Pierceâ€™s Disease Development. Biology, 2020, 9, 261.	2.8	3
20	Optimal processing for proteomic genotyping of single human hairs. Forensic Science International: Genetics, 2020, 47, 102314.	3.1	17
21	Age-Related Changes in Hair Shaft Protein Profiling and Genetically Variant Peptides. Forensic Science International: Genetics, 2020, 47, 102309.	3.1	13
22	MERIT, a cellular system coordinating lysosomal repair, removal and replacement. Autophagy, 2020, 16, 1539-1541.	9.1	19
23	Gender-specific changes in energy metabolism and protein degradation as major pathways affected in livers of mice treated with ibuprofen. Scientific Reports, 2020, 10, 3386.	3.3	17
24	N-terminal protein acetylation by NatB modulates the levels of Nmnats, the NAD+ biosynthetic enzymes in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2020, 295, 7362-7375.	3.4	6
25	Galectins control MTOR and AMPK in response to lysosomal damage to induce autophagy. Autophagy, 2019, 15, 169-171.	9.1	112
26	Proteome and metabolome analyses reveal differential responses in tomato -Verticillium dahliae-interactions. Journal of Proteomics, 2019, 207, 103449.	2.4	51
27	AtTRAPPC11/ROG2: A Role for TRAPPs in Maintenance of the Plant Trans-Golgi Network/Early Endosome Organization and Function. Plant Cell, 2019, 31, 1879-1898.	6.6	26
28	Proteomic genotyping of fingermark donors with genetically variant peptides. Forensic Science International: Genetics, 2019, 42, 21-30.	3.1	18
29	Proteomic manifestations of genetic defects in autosomal recessive congenital ichthyosis. Journal of Proteomics, 2019, 201, 104-109.	2.4	10
30	Human stratum corneum proteomics reveals crossâ€linking of a broad spectrum of proteins in cornified envelopes. Experimental Dermatology, 2019, 28, 618-622.	2.9	27
31	Comparison of protein expression levels and proteomically-inferred genotypes using human hair from different body sites. Forensic Science International: Genetics, 2019, 41, 19-23.	3.1	17
32	Physiological profile of undifferentiated bovine blastocyst-derived trophoblasts. Biology Open, 2019, 8, .	1.2	16
33	Sex estimation using sexually dimorphic amelogenin protein fragments in human enamel. Journal of Archaeological Science, 2019, 101, 169-180.	2.4	53
34	Cornification of nail keratinocytes requires autophagy for bulk degradation of intracellular proteins while sparing components of the cytoskeleton. Apoptosis: an International Journal on Programmed Cell Death, 2019, 24, 62-73.	4.9	18
35	Prioritization of metabolic genes as novel therapeutic targets in estrogen-receptor negative breast tumors using multi-omics data and text mining. Oncotarget, 2019, 10, 3894-3909.	1.8	11
36	Galectins Control mTOR in Response to Endomembrane Damage. Molecular Cell, 2018, 70, 120-135.e8.	9.7	191

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37	A functional link between NAD+ homeostasis and N-terminal protein acetylation in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2018, 293, 2927-2938.	3.4	18
38	Glaucomatous cell derived matrices differentially modulate non-glaucomatous trabecular meshwork cellular behavior. Acta Biomaterialia, 2018, 71, 444-459.	8.3	51
39	MK2 Regulates Macrophage Chemokine Activity and Recruitment to Promote Colon Tumor Growth. Frontiers in Immunology, 2018, 9, 1857.	4.8	21
40	Corneocyte proteomics: Applications to skin biology and dermatology. Experimental Dermatology, 2018, 27, 931-938.	2.9	12
41	Proteomic analysis of hair shafts from monozygotic twins: Expression profiles and genetically variant peptides. Proteomics, 2017, 17, 1600462.	2.2	21
42	Integrated Metabolomics and Proteomics Highlight Altered Nicotinamide- and Polyamine Pathways in Lung Adenocarcinoma. Carcinogenesis, 2017, 38, bgw205.	2.8	56
43	In vivo digestomics of milk proteins in human milk and infant formula using a suckling rat pup model. Peptides, 2017, 88, 18-31.	2.4	27
44	ABRF Proteome Informatics Research Group (iPRG) 2015 Study: Detection of Differentially Abundant Proteins in Label-Free Quantitative LCâ€“MS/MS Experiments. Journal of Proteome Research, 2017, 16, 945-957.	3.7	42
45	Omega-6 and omega-3 oxylipins are implicated in soybean oil-induced obesity in mice. Scientific Reports, 2017, 7, 12488.	3.3	46
46	Absolute Quantification of Human Milk Caseins and the Whey/Casein Ratio during the First Year of Lactation. Journal of Proteome Research, 2017, 16, 4113-4121.	3.7	69
47	Proteomes of Lactobacillus delbrueckii subsp. bulgaricus LBB.B5 Incubated in Milk at Optimal and Low Temperatures. MSystems, 2017, 2, .	3.8	8
48	Proteomic profiling of Pachyonychia congenita plantar callus. Journal of Proteomics, 2017, 165, 132-137.	2.4	11
49	A Cysteine-Rich Protein Kinase Associates with a Membrane Immune Complex and the Cysteine Residues Are Required for Cell Death. Plant Physiology, 2017, 173, 771-787.	4.8	134
50	The Metalloprotease, Mpr1, Engages AnnexinA2 to Promote the Transcytosis of Fungal Cells across the Blood-Brain Barrier. Frontiers in Cellular and Infection Microbiology, 2017, 7, 296.	3.9	31
51	Biochemical and biomechanical properties of the pacemaking sinoatrial node extracellular matrix are distinct from contractile left ventricular matrix. PLoS ONE, 2017, 12, e0185125.	2.5	26
52	Profiling of proteins secreted in the bovine oviduct reveals diverse functions of this luminal microenvironment. PLoS ONE, 2017, 12, e0188105.	2.5	40
53	Abstract A14: Proteomic analysis of paired malignant and non-malignant tissues from patients with NSCLC adenocarcinoma identified changes in translation initiation factors potentially important in oncogenesis. , 2017, , .		0
54	Psychosocial Pathways Linking Adverse Childhood Experiences to Mental Health in Recently Deployed Canadian Military Service Members. Journal of Traumatic Stress, 2016, 29, 124-131.	1.8	17

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55	The Secreted Protease PrtA Controls Cell Growth, Biofilm Formation and Pathogenicity in Xylella fastidiosa. Scientific Reports, 2016, 6, 31098.	3.3	42
56	Glycoproteomic Analysis of Malignant Ovarian Cancer Ascites Fluid Identifies Unusual Glycopeptides. Journal of Proteome Research, 2016, 15, 3358-3376.	3.7	28
57	Using LC-MS Based Methods for Testing the Digestibility of a Nonpurified Transgenic Membrane Protein in Simulated Gastric Fluid. Journal of Agricultural and Food Chemistry, 2016, 64, 5251-5259.	5.2	4
58	Proteomic Analysis of Loricrin Knockout Mouse Epidermis. Journal of Proteome Research, 2016, 15, 2560-2566.	3.7	25
59	Gram-negative bacterial molecules associate with Alzheimer disease pathology. Neurology, 2016, 87, 2324-2332.	1.1	374
60	Proteomic profiling of lung adenocarcinoma indicates heightened DNA repair, antioxidant mechanisms and identifies LASP1 as a potential negative predictor of survival. Clinical Proteomics, 2016, 13, 31.	2.1	39
61	Dexamethasone Stiffens Trabecular Meshwork, Trabecular Meshwork Cells, and Matrix. , 2015, 56, 4447.		132
62	The 2012/2013 ABRF Proteomic Research Group Study: Assessing Longitudinal Intralaboratory Variability in Routine Peptide Liquid Chromatography Tandem Mass Spectrometry Analyses*. Molecular and Cellular Proteomics, 2015, 14, 3299-3309.	3.8	11
63	Anopheles stephensi p38 MAPK signaling regulates innate immunity and bioenergetics during Plasmodium falciparum infection. Parasites and Vectors, 2015, 8, 424.	2.5	18
64	The Human Colostrum Whey Proteome Is Altered in Gestational Diabetes Mellitus. Journal of Proteome Research, 2015, 14, 512-520.	3.7	33
65	Transforming Growth Factor Beta 3 Modifies Mechanics and Composition of Extracellular Matrix Deposited by Human Trabecular Meshwork Cells. ACS Biomaterials Science and Engineering, 2015, 1, 110-118.	5.2	23
66	Comparative Proteomics of Human and Macaque Milk Reveals Species-Specific Nutrition during Postnatal Development. Journal of Proteome Research, 2015, 14, 2143-2157.	3.7	60
67	Lactobacillus caseiLow-Temperature, Dairy-Associated Proteome Promotes Persistence in the Mammalian Digestive Tract. Journal of Proteome Research, 2015, 14, 3136-3147.	3.7	16
68	Gene expression profiling in pachyonychia congenita skin. Journal of Dermatological Science, 2015, 77, 156-165.	1.9	33
69	CaMKII Phosphorylation of Na_V1.5: Novel in Vitro Sites Identified by Mass Spectrometry and Reduced S516 Phosphorylation in Human Heart Failure. Journal of Proteome Research, 2015, 14, 2298-2311.	3.7	36
70	Mitochondrial proteome remodeling in ischemic heart failure. Life Sciences, 2014, 101, 27-36.	4.3	42
71	Shotgun Proteomic Analysis Unveils Survival and Detoxification Strategies by Caulobacter crescentus during Exposure to Uranium, Chromium, and Cadmium. Journal of Proteome Research, 2014, 13, 1833-1847.	3.7	56
72	Human hair shaft proteomic profiling: individual differences, site specificity and cuticle analysis. PeerJ, 2014, 2, e506.	2.0	49

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73	Cryptococcus neoformans Promotes Its Transmigration into the Central Nervous System by Inducing Molecular and Cellular Changes in Brain Endothelial Cells. Infection and Immunity, 2013, 81, 3139-3147.	2.2	57
74	Interlaboratory studies and initiatives developing standards for proteomics. Proteomics, 2013, 13, 904-909.	2.2	29
75	Proteomic Analysis of Human Keratinocyte Response to 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD) Exposure. Journal of Proteome Research, 2013, 12, 5340-5347.	3.7	16
76	Sustained Activation of Akt Elicits Mitochondrial Dysfunction to Block Plasmodium falciparum Infection in the Mosquito Host. PLoS Pathogens, 2013, 9, e1003180.	4.7	52
77	Distinguishing Ichthyoses by Protein Profiling. PLoS ONE, 2013, 8, e75355.	2.5	30
78	Differentiating Inbred Mouse Strains from Each Other and Those with Single Gene Mutations Using Hair Proteomics. PLoS ONE, 2012, 7, e51956.	2.5	25
79	Quantitative Proteomics Reveals Dynamic Changes in the Plasma Membrane During Arabidopsis Immune Signaling. Molecular and Cellular Proteomics, 2012, 11, M111.014555.	3.8	100
80	Enhancing Peptide Ligand Binding to Vascular Endothelial Growth Factor by Covalent Bond Formation. Bioconjugate Chemistry, 2012, 23, 1080-1089.	3.6	15
81	Label-free shotgun proteomics and metabolite analysis reveal a significant metabolic shift during citrus fruit development. Journal of Experimental Botany, 2011, 62, 5367-5384.	4.8	98
82	Proteomic Characterization of Specific Minor Proteins in the Human Milk Casein Fraction. Journal of Proteome Research, 2011, 10, 5409-5415.	3.7	29
83	Proteomic Characterization of Human Milk Whey Proteins during a Twelve-Month Lactation Period. Journal of Proteome Research, 2011, 10, 1746-1754.	3.7	142
84	Proteomic Characterization of Human Milk Fat Globule Membrane Proteins during a 12 Month Lactation Period. Journal of Proteome Research, 2011, 10, 3530-3541.	3.7	124
85	REVEILLE8 and PSEUDO-REPONSE REGULATOR5 Form a Negative Feedback Loop within the Arabidopsis Circadian Clock. PLoS Genetics, 2011, 7, e1001350.	3.5	215
86	Phosphorylation and Activation of the Plasma Membrane Na+/H+ Exchanger (NHE1) during Osmotic Cell Shrinkage. PLoS ONE, 2011, 6, e29210.	2.5	15
87	ABRF-PRG07: advanced quantitative proteomics study. Journal of Biomolecular Techniques, 2011, 22, 21-6.	1.5	13
88	The Significance of Protein Maturation by Plastidic Type I Signal Peptidase 1 for Thylakoid Development in Arabidopsis Chloroplasts. Plant Physiology, 2010, 152, 1297-1308.	4.8	46
89	A label-free differential quantitative mass spectrometry method for the characterization and identification of protein changes during citrus fruit development. Proteome Science, 2010, 8, 68.	1.7	44
90	Proteomic Analysis of Human Nail Plate. Journal of Proteome Research, 2010, 9, 6752-6758.	3.7	54

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91	A comparative study of in-gel digestions using microwave and pressure-accelerated technologies. Journal of Biomolecular Techniques, 2010, 21, 148-55.	1.5	10
92	Analysis of the Pumpkin Phloem Proteome Provides Insights into Angiosperm Sieve Tube Function. Molecular and Cellular Proteomics, 2009, 8, 343-356.	3.8	190
93	Reanalysis of Tyrannosaurus rex Mass Spectra. Journal of Proteome Research, 2009, 8, 4328-4332.	3.7	62
94	In vivo multiplex quantitative analysis of 3 forms of alpha melanocyte stimulating hormone in pituitary of prolyl endopeptidase deficient mice. Molecular Brain, 2009, 2, 14.	2.6	18
95	Polygalacturonase causes lygus-like damage on plants: cloning and identification of western tarnished plant bug (LygusÂhesperus) polygalacturonases secreted during feeding. Arthropod-Plant Interactions, 2008, 2, 215-225.	1.1	32
96	FLOWERING LOCUS T Protein May Act as the Long-Distance Florigenic Signal in the Cucurbits. Plant Cell, 2007, 19, 1488-1506.	6.6	420
97	The Association of Biomolecular Resource Facilities Proteomics Research Group 2006 Study. Molecular and Cellular Proteomics, 2007, 6, 1291-1298.	3.8	100
98	Shotgun Cross-Linking Analysis for Studying Quaternary and Tertiary Protein Structures. Journal of Proteome Research, 2007, 6, 3908-3917.	3.7	56
99	Protein Changes in the Albedo of Citrus Fruits on Postharvesting Storage. Journal of Agricultural and Food Chemistry, 2007, 55, 9047-9053.	5.2	37
100	Determining the Overall Merit of Protein Identification Data Sets:Ârho-Diagrams andrho-Scores. Journal of Proteome Research, 2007, 6, 1997-2004.	3.7	12
101	Protein Variations in Listeria monocytogenes Exposed to Sodium Lactate, Sodium Diacetate, and Their Combination. Journal of Food Protection, 2007, 70, 58-64.	1.7	9
102	An experimental strategy for quantitative analysis of the humoral immune response to prostate cancer antigens using natural protein microarrays. Proteomics - Clinical Applications, 2007, 1, 494-505.	1.6	3
103	Extracellular glycosylphosphatidylinositol-anchored mannoproteins and proteases ofCryptococcus neoformans. FEMS Yeast Research, 2007, 7, 499-510.	2.3	75
104	The citrus fruit proteome: insights into citrus fruit metabolism. Planta, 2007, 226, 989-1005.	3.2	93
105	Global Analysis of Protein Palmitoylation in Yeast. Cell, 2006, 125, 1003-1013.	28.9	480
106	Interaction of Arabidopsis BRASSINOSTEROID-INSENSITIVE 1 receptor kinase with a homolog of mammalian TGF-Î² receptor interacting protein. Plant Journal, 2005, 43, 251-261.	5.7	69
107	From The Cover: Jasmonate-inducible plant enzymes degrade essential amino acids in the herbivore midgut. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 19237-19242.	7.1	321
108	Identification and Functional Analysis of in Vivo Phosphorylation Sites of the Arabidopsis BRASSINOSTEROID-INSENSITIVE1 Receptor Kinase. Plant Cell, 2005, 17, 1685-1703.	6.6	364

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109	Proteomic Characterization of A Triton-Insoluble Fraction from Chloroplasts Defines A Novel Group of Proteins Associated with Macromolecular Structures. Journal of Proteome Research, 2005, 4, 497-506.	3.7	38
110	Defective glycosylation of calsequestrin in heart failure. Cardiovascular Research, 2004, 63, 264-272.	3.8	44
111	Proteomic Study of theArabidopsisthalianaChloroplastic Envelope Membrane Utilizing Alternatives to Traditional Two-Dimensional Electrophoresis. Journal of Proteome Research, 2003, 2, 413-425.	3.7	275
112	Identification of in Vivo Phosphorylation Sites of MLK3 by Mass Spectrometry and Phosphopeptide Mapping. Biochemistry, 2002, 41, 5613-5624.	2.5	36
113	Sindbis Virus Glycoprotein E1 Is Divided into Two Discrete Domains at Amino Acid 129 by Disulfide Bridge Connections. Journal of Virology, 2000, 74, 9313-9316.	3.4	8
114	The Surface Conformation of Sindbis Virus Glycoproteins E1 and E2 at Neutral and Low pH, as Determined by Mass Spectrometry-Based Mapping. Journal of Virology, 2000, 74, 5667-5678.	3.4	27
115	Identification of Endogenous Peptides in Nasal Swab Transport Media used in MALDI-TOF-MS Based COVID-19 Screening. ACS Omega, 0, , .	3.5	2