

Phillip D Whitfield

List of Publications by Year in descending order

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43
papers

1,965
citations

257450

24
h-index

276875

41
g-index

46
all docs

46
docs citations

46
times ranked

3205
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Phytosterols in the Pathogenesis of Liver Complications of Pediatric Parenteral Nutrition. <i>Nutrition</i> , 1998, 14, 158-164.	2.4	213
2	High Throughput Lipidomic Profiling of Schizophrenia and Bipolar Disorder Brain Tissue Reveals Alterations of Free Fatty Acids, Phosphatidylcholines, and Ceramides. <i>Journal of Proteome Research</i> , 2008, 7, 4266-4277.	3.7	171
3	Metabolomics: an emerging post-genomic tool for nutrition. <i>British Journal of Nutrition</i> , 2004, 92, 549-555.	2.3	151
4	Mechanisms of Resolution of Inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1001-1006.	2.4	147
5	Newborn Screening for Lysosomal Storage Disorders: Clinical Evaluation of a Two-Tier Strategy. <i>Pediatrics</i> , 2004, 114, 909-916.	2.1	102
6	Effect of lysosomal storage on bis(monoacylglycero)phosphate. <i>Biochemical Journal</i> , 2008, 411, 71-78.	3.7	80
7	Novel role for endogenous mitochondrial formylated peptide-driven formyl peptide receptor 1 signalling in acute respiratory distress syndrome. <i>Thorax</i> , 2017, 72, 928-936.	5.6	64
8	Determination of Oligosaccharides in Pompe Disease by Electrospray Ionization Tandem Mass Spectrometry. <i>Clinical Chemistry</i> , 2002, 48, 131-139.	3.2	59
9	Determination of oligosaccharides and glycolipids in amniotic fluid by electrospray ionisation tandem mass spectrometry: in utero indicators of lysosomal storage diseases. <i>Molecular Genetics and Metabolism</i> , 2004, 83, 231-238.	1.1	57
10	Urinary Lipid Profiling for the Identification of Fabry Hemizygotes and Heterozygotes. <i>Clinical Chemistry</i> , 2005, 51, 688-694.	3.2	56
11	Tuning the nitric oxide release from CPO-27 MOFs. <i>RSC Advances</i> , 2016, 6, 14059-14067.	3.6	55
12	The biology of nematode- and IL4R1±-dependent murine macrophage polarization in vivo as defined by RNA-Seq and targeted lipidomics. <i>Blood</i> , 2012, 120, e93-e104.	1.4	52
13	Characterization of Urinary Sulfatides in Metachromatic Leukodystrophy Using Electrospray Ionization-Tandem Mass Spectrometry. <i>Molecular Genetics and Metabolism</i> , 2001, 73, 30-37.	1.1	51
14	A Method for the Quantitation of Conjugated Bile Acids in Dried Blood Spots Using Electrospray Ionization-Mass Spectrometry. <i>Pediatric Research</i> , 1998, 43, 361-368.	2.3	51
15	Neuronal human BACE1 knockin induces systemic diabetes in mice. <i>Diabetologia</i> , 2016, 59, 1513-1523.	6.3	50
16	Quantification of galactosylsphingosine in the twitcher mouse using electrospray ionization-tandem mass spectrometry. <i>Journal of Lipid Research</i> , 2001, 42, 2092-2095.	4.2	49
17	Global cooling: Cold acclimation and the expression of soluble proteins in carp skeletal muscle. <i>Proteomics</i> , 2007, 7, 2667-2681.	2.2	48
18	Correlation among Genotype, Phenotype, and Biochemical Markers in Gaucher Disease: Implications for the Prediction of Disease Severity. <i>Molecular Genetics and Metabolism</i> , 2002, 75, 46-55.	1.1	43

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19	Emerging importance of omega-3 fatty acids in the innate immune response: Molecular mechanisms and lipidomic strategies for their analysis. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 1390-1400.	3.3	43
20	Complement modulation reverses pathology in Y402H-retinal pigment epithelium cell model of age-related macular degeneration by restoring lysosomal function. <i>Stem Cells Translational Medicine</i> , 2020, 9, 1585-1603.	3.3	36
21	Fenretinide mediated retinoic acid receptor signalling and inhibition of ceramide biosynthesis regulates adipogenesis, lipid accumulation, mitochondrial function and nutrient stress signalling in adipocytes and adipose tissue. <i>Biochemical Pharmacology</i> , 2016, 100, 86-97.	4.4	34
22	Metabolomics as a diagnostic tool for hepatology: validation in a naturally occurring canine model. <i>Metabolomics</i> , 2005, 1, 215-225.	3.0	33
23	Regional variation in parvalbumin isoform expression correlates with muscle performance in common carp (<i>Cyprinus carpio</i>). <i>Journal of Experimental Biology</i> , 2009, 212, 184-193.	1.7	33
24	Biomarker Discovery in Animal Health and Disease: The Application of Post-Genomic Technologies. <i>Biomarker Insights</i> , 2007, 2, 117727190700200.	2.5	32
25	Proteomics moves from expression to turnover: update and future perspective. <i>Expert Review of Proteomics</i> , 2011, 8, 325-334.	3.0	26
26	Elevated Fibroblast growth factor 21 (FGF21) in obese, insulin resistant states is normalised by the synthetic retinoid Fenretinide in mice. <i>Scientific Reports</i> , 2017, 7, 43782.	3.3	26
27	EMSY expression affects multiple components of the skin barrier with relevance to atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 470-481.	2.9	23
28	Lipids and cardiovascular disease: where does dietary intervention sit alongside statin therapy?. <i>Food and Function</i> , 2016, 7, 2603-2614.	4.6	22
29	Proteomics and naturally occurring animal diseases: Opportunities for animal and human medicine. <i>Proteomics - Clinical Applications</i> , 2008, 2, 135-141.	1.6	21
30	Application of lipidomics in bivalve aquaculture, a review. <i>Reviews in Aquaculture</i> , 2020, 12, 678-702.	9.0	21
31	12-hydroxyeicosatetraenoic acid is associated with variability in aspirin-induced platelet inhibition. <i>Journal of Inflammation</i> , 2014, 11, 33.	3.4	20
32	A proteomics strategy for determining the synthesis and degradation rates of individual proteins in fish. <i>Journal of Proteomics</i> , 2012, 75, 4471-4477.	2.4	19
33	Biomarkers for ragwort poisoning in horses: identification of protein targets. <i>BMC Veterinary Research</i> , 2008, 4, 30.	1.9	16
34	Effect of Intravenous Lipid Emulsions on Hepatic Cholesterol Metabolism. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2000, 30, 538-546.	1.8	14
35	Functional and proteomic analysis of a full thickness filaggrin-deficient skin organoid model. <i>Wellcome Open Research</i> , 2019, 4, 134.	1.8	13
36	Proteomic analysis of a filaggrin-deficient skin organoid model shows evidence of increased transcriptional-translational activity, keratinocyte-immune crosstalk and disordered axon guidance. <i>Wellcome Open Research</i> , 2019, 4, 134.	1.8	8

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37	Assessment of Global Proteome Dynamics in Carp: A Model for Investigating Environmental Stress. Journal of Proteome Research, 2013, 12, 5246-5252.	3.7	6
38	Acute stress alters the rates of degradation of cardiac muscle proteins. Journal of Proteomics, 2019, 191, 124-130.	2.4	4
39	Metabolomics: An Emerging Post-genomic Tool for Nutrition. , 2010, , 271-285.		2
40	Comparing Simplification Strategies for the Skeletal Muscle Proteome. Proteomes, 2016, 4, 10.	3.5	2
41	Determining synthesis rates of individual proteins in zebrafish (<i>Danio rerio</i>) with low levels of a stable isotope labelled amino acid. Proteomics, 2016, 16, 1398-1406.	2.2	2
42	Degradative proteomics and disease mechanisms. Proteomics - Clinical Applications, 2010, 4, 133-142.	1.6	1
43	Exploring genomes in agriculture and food science. British Journal of Nutrition, 2007, 97, 1047-1048.	2.3	0