Simon H J Brown

List of Publications by Year
in descending order

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50 papers	2,221 citations	257101 24 h-index	243296 44 g-index
55 all docs	55 docs citations	55 times ranked	3854 citing authors

#	Article	IF	Citations
1	Analysis of sex-specific lipid metabolism of Plasmodium falciparum points to the importance of sphingomyelin for gametocytogenesis. Journal of Cell Science, 2022, 135, .	1.2	6
2	The long and the short of Huntingtonâ€™s disease: how the sphingolipid profile is shifted in the caudate of advanced clinical cases. Brain Communications, 2022, 4, fcab303.	1.5	10
3	Mechanism of transcription modulation by the transcription-repair coupling factor. Nucleic Acids Research, 2022, 50, 5688-5712.	6.5	6
4	Small angle X-ray scattering analysis of ligand-bound forms of tetrameric apolipoprotein-D. Bioscience Reports, 2021, 41, .	1.1	2
5	Cholesteryl ester levels are elevated in the caudate and putamen of Huntingtonâ€™s disease patients. Scientific Reports, 2020, 10, 20314.	1.6	18
6	Molecular basis for RNA polymerase-dependent transcription complex recycling by the helicase-like motor protein HelD. Nature Communications, 2020, 11, 6420.	5.8	29
7	Distinct adaptations of a gametocyte ABC transporter to murine and human Plasmodium parasites and its incompatibility in cross-species complementation. International Journal for Parasitology, 2020, 50, 511-522.	1.3	4
8	Regulation of mitochondrial metabolism in murine skeletal muscle by the mediumâ€chain fatty acid receptor Gpr84. FASEB Journal, 2019, 33, 12264-12276.	0.2	36
9	Honeybee caste lipidomics in relation to life-history stages and the long life of the queen. Journal of Experimental Biology, 2019, 222, .	0.8	18
10	HDXâ€MS reveals orthosteric and allosteric changes in apolipoproteinâ€D structural dynamics upon binding of progesterone. Protein Science, 2019, 28, 365-374.	3.1	12
11	A Highâ€Throughput Method for the Analysis of Erythrocyte Fatty Acids and the Omegaâ€3 Index. Lipids, 2018, 53, 1005-1015.	0.7	12
12	Increasing Acyl CoA thioesterase activity alters phospholipid profile without effect on insulin action in skeletal muscle of rats. Scientific Reports, 2018, 8, 13967.	1.6	7
13	Mass spectrometry-directed structure elucidation and total synthesis of ultra-long chain (O-acyl)-ï‰-hydroxy fatty acids. Journal of Lipid Research, 2018, 59, 1510-1518.	2.0	42
14	Identification of a novel tetrameric structure for human apolipoprotein-D. Journal of Structural Biology, 2018, 203, 205-218.	1.3	12
15	Sterol Analysis by Quantitative Mass Spectrometry. Methods in Molecular Biology, 2017, 1583, 221-239.	0.4	4
16	The cationic small molecule GW4869 is cytotoxic to high phosphatidylserine-expressing myeloma cells. British Journal of Haematology, 2017, 177, 423-440.	1.2	24
17	Association of muscle lipidomic profile with high-fat diet-induced insulin resistance across five mouse strains. Scientific Reports, 2017, 7, 13914.	1.6	26
18	A Lipidomic Analysis of Placenta in Preeclampsia: Evidence for Lipid Storage. PLoS ONE, 2016, 11, e0163972.	1.1	50

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19	Regulation of glucose homeostasis and insulin action by ceramide acyl-chain length: A beneficial role for very long-chain sphingolipid species. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 1828-1839.	1.2	66
20	Changes in lipid composition during sexual development of the malaria parasite Plasmodium falciparum. Malaria Journal, 2016, 15, 73.	0.8	73
21	Intersubject and Interday Variability in Human Tear and Meibum Lipidomes: A Pilot Study. Ocular Surface, 2016, 14, 43-48.	2.2	23
22	Influence of Meibomian Gland Expression Methods on Human Lipid Analysis Results. Ocular Surface, 2016, 14, 49-55.	2.2	16
23	Serum-Induced Keratinization Processes in an Immortalized Human Meibomian Gland Epithelial Cell Line. PLoS ONE, 2015, 10, e0128096.	1.1	34
24	Roquin binds microRNA-146a and Argonaute2 to regulate microRNA homeostasis. Nature Communications, 2015, 6, 6253.	5.8	59
25	Automation: Cross-Contamination. , 2015, , 1-2.		0
26	A High-Dose Shiitake Mushroom Increases Hepatic Accumulation of Triacylglycerol in Rats Fed a High-Fat Diet: Underlying Mechanism. Nutrients, 2014, 6, 650-662.	1.7	13
27	Clinical and Biochemical Tear Lipid Parameters in Contact Lens Wearers. Optometry and Vision Science, 2014, 91, 1384-1390.	0.6	21
28	Comparison of Tear Lipid Profile among Basal, Reflex, and Flush Tear Samples. Optometry and Vision Science, 2014, 91, 1391-1395.	0.6	46
29	A female gametocyte-specific ABC transporter plays a role in lipid metabolism in the malaria parasite. Nature Communications, 2014, 5, 4773.	5.8	51
30	Automated surface sampling of lipids from worn contact lenses coupled with tandem mass spectrometry. Analyst, The, 2013, 138, 1316-1320.	1.7	26
31	An Improved Highâ€Throughput Lipid Extraction Method for the Analysis of Human Brain Lipids. Lipids, 2013, 48, 307-318.	0.7	76
32	Mouse strain-dependent variation in obesity and glucose homeostasis in response to high-fat feeding. Diabetologia, 2013, 56, 1129-1139.	2.9	327
33	Surface analysis of lipids by mass spectrometry: More than just imaging. Progress in Lipid Research, 2013, 52, 329-353.	5.3	95
34	Implementing Fluorescence Anisotropy Screening and Crystallographic Analysis to Define PKA Isoform-Selective Activation by cAMP Analogs. ACS Chemical Biology, 2013, 8, 2164-2172.	1.6	5
35	Contrasting metabolic effects of medium- versus long-chain fatty acids in skeletal muscle. Journal of Lipid Research, 2013, 54, 3322-3333.	2.0	93
36	A Comparison of Patient Matched Meibum and Tear Lipidomes. , 2013, 54, 7417.		121

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37	Rapid Quantification of Free Cholesterol in Tears Using Direct Insertion/Electron Ionizationâ€“Mass Spectrometry. , 2013, 54, 8027.		7
38	Time to Face the Fats: What Can Mass Spectrometry Reveal about the Structure of Lipids and Their Interactions with Proteins?. Journal of the American Society for Mass Spectrometry, 2012, 23, 1441-1449.	1.2	24
39	Analysis of unsaturated lipids by ozone-induced dissociation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 807-817.	1.2	109
40	The ROQUIN family of proteins localizes to stress granules via the ROQ domain and binds target mRNAs. FEBS Journal, 2010, 277, 2109-2127.	2.2	69
41	Novel Isoform-Specific Interfaces Revealed by PKA RIIÎ² Holoenzyme Structures. Journal of Molecular Biology, 2009, 393, 1070-1082.	2.0	24
42	Signaling through cAMP and cAMP-dependent protein kinase: Diverse strategies for drug design. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 16-26.	1.1	184
43	PKA Type IIa Holoenzyme Structure Reveals Isoform Diversity for Inhibition of Catalysis. FASEB Journal, 2008, 22, 1011.3.	0.2	0
44	R-subunit Isoform Specificity in Protein Kinase A: Distinct Features of Protein Interfaces in PKA Types I and II by Amide H/2H Exchange Mass Spectrometry. Journal of Molecular Biology, 2007, 374, 487-499.	2.0	16
45	PKA Type IIÎ± Holoenzyme Reveals a Combinatorial Strategy for Isoform Diversity. Science, 2007, 318, 274-279.	6.0	103
46	NMR assignment of the cAMP-binding domain A of the PKA regulatory subunit. Journal of Biomolecular NMR, 2006, 36, 64-64.	1.6	8
47	C Subunits Binding to the Protein Kinase A RIÎ± Dimer Induce a Large Conformational Change. Journal of Biological Chemistry, 2004, 279, 19084-19090.	1.6	44
48	RIÎ± Subunit of PKA. Structure, 2004, 12, 1057-1065.	1.6	58
49	Differential Effects of Substrate on Type I and Type II PKA Holoenzyme Dissociation. Biochemistry, 2004, 43, 5629-5636.	1.2	55
50	Conformational Differences Among Solution Structures of the Type IÎ±, IIÎ± and IIÎ² Protein Kinase A Regulatory Subunit Homodimers: Role of the Linker Regions. Journal of Molecular Biology, 2004, 337, 1183-1194.	2.0	56