

# Simon H J Brown

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Mouse strain-dependent variation in obesity and glucose homeostasis in response to high-fat feeding. <i>Diabetologia</i> , 2013, 56, 1129-1139.	2.9	327
2	Signaling through cAMP and cAMP-dependent protein kinase: Diverse strategies for drug design. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 16-26.	1.1	184
3	A Comparison of Patient Matched Meibum and Tear Lipidomes. , 2013, 54, 7417.		121
4	Analysis of unsaturated lipids by ozone-induced dissociation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 807-817.	1.2	109
5	PKA Type II $\alpha$ Holoenzyme Reveals a Combinatorial Strategy for Isoform Diversity. <i>Science</i> , 2007, 318, 274-279.	6.0	103
6	Surface analysis of lipids by mass spectrometry: More than just imaging. <i>Progress in Lipid Research</i> , 2013, 52, 329-353.	5.3	95
7	Contrasting metabolic effects of medium- versus long-chain fatty acids in skeletal muscle. <i>Journal of Lipid Research</i> , 2013, 54, 3322-3333.	2.0	93
8	An Improved High-Throughput Lipid Extraction Method for the Analysis of Human Brain Lipids. <i>Lipids</i> , 2013, 48, 307-318.	0.7	76
9	Changes in lipid composition during sexual development of the malaria parasite <i>Plasmodium falciparum</i> . <i>Malaria Journal</i> , 2016, 15, 73.	0.8	73
10	The ROQUIN family of proteins localizes to stress granules via the ROQ domain and binds target mRNAs. <i>FEBS Journal</i> , 2010, 277, 2109-2127.	2.2	69
11	Regulation of glucose homeostasis and insulin action by ceramide acyl-chain length: A beneficial role for very long-chain sphingolipid species. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1828-1839.	1.2	66
12	Roquin binds microRNA-146a and Argonaute2 to regulate microRNA homeostasis. <i>Nature Communications</i> , 2015, 6, 6253.	5.8	59
13	RII $\alpha$ Subunit of PKA. <i>Structure</i> , 2004, 12, 1057-1065.	1.6	58
14	Conformational Differences Among Solution Structures of the Type II $\alpha$ , II $\beta$ and II $\gamma$ Protein Kinase A Regulatory Subunit Homodimers: Role of the Linker Regions. <i>Journal of Molecular Biology</i> , 2004, 337, 1183-1194.	2.0	56
15	Differential Effects of Substrate on Type I and Type II PKA Holoenzyme Dissociation. <i>Biochemistry</i> , 2004, 43, 5629-5636.	1.2	55
16	A female gametocyte-specific ABC transporter plays a role in lipid metabolism in the malaria parasite. <i>Nature Communications</i> , 2014, 5, 4773.	5.8	51
17	A Lipidomic Analysis of Placenta in Preeclampsia: Evidence for Lipid Storage. <i>PLoS ONE</i> , 2016, 11, e0163972.	1.1	50
18	Comparison of Tear Lipid Profile among Basal, Reflex, and Flush Tear Samples. <i>Optometry and Vision Science</i> , 2014, 91, 1391-1395.	0.6	46

#	ARTICLE	IF	CITATIONS
19	C Subunits Binding to the Protein Kinase A RII± Dimer Induce a Large Conformational Change. <i>Journal of Biological Chemistry</i> , 2004, 279, 19084-19090.	1.6	44
20	Mass spectrometry-directed structure elucidation and total synthesis of ultra-long chain (O-acyl)- $\omega$ -hydroxy fatty acids. <i>Journal of Lipid Research</i> , 2018, 59, 1510-1518.	2.0	42
21	Regulation of mitochondrial metabolism in murine skeletal muscle by the medium-chain fatty acid receptor Gpr84. <i>FASEB Journal</i> , 2019, 33, 12264-12276.	0.2	36
22	Serum-Induced Keratinization Processes in an Immortalized Human Meibomian Gland Epithelial Cell Line. <i>PLoS ONE</i> , 2015, 10, e0128096.	1.1	34
23	Molecular basis for RNA polymerase-dependent transcription complex recycling by the helicase-like motor protein HelD. <i>Nature Communications</i> , 2020, 11, 6420.	5.8	29
24	Automated surface sampling of lipids from worn contact lenses coupled with tandem mass spectrometry. <i>Analyst</i> , 2013, 138, 1316-1320.	1.7	26
25	Association of muscle lipidomic profile with high-fat diet-induced insulin resistance across five mouse strains. <i>Scientific Reports</i> , 2017, 7, 13914.	1.6	26
26	Novel Isoform-Specific Interfaces Revealed by PKA RII <sup>2</sup> Holoenzyme Structures. <i>Journal of Molecular Biology</i> , 2009, 393, 1070-1082.	2.0	24
27	Time to Face the Fats: What Can Mass Spectrometry Reveal about the Structure of Lipids and Their Interactions with Proteins?. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1441-1449.	1.2	24
28	The cationic small molecule GW4869 is cytotoxic to high phosphatidylserine-expressing myeloma cells. <i>British Journal of Haematology</i> , 2017, 177, 423-440.	1.2	24
29	Intersubject and Interday Variability in Human Tear and Meibum Lipidomes: A Pilot Study. <i>Ocular Surface</i> , 2016, 14, 43-48.	2.2	23
30	Clinical and Biochemical Tear Lipid Parameters in Contact Lens Wearers. <i>Optometry and Vision Science</i> , 2014, 91, 1384-1390.	0.6	21
31	Honeybee caste lipidomics in relation to life-history stages and the long life of the queen. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	18
32	Cholesteryl ester levels are elevated in the caudate and putamen of Huntington's disease patients. <i>Scientific Reports</i> , 2020, 10, 20314.	1.6	18
33	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. <i>Journal of Molecular Biology</i> , 2007, 374, 487-499.	2.0	16
34	Influence of Meibomian Gland Expression Methods on Human Lipid Analysis Results. <i>Ocular Surface</i> , 2016, 14, 49-55.	2.2	16
35	A High-Dose Shiitake Mushroom Increases Hepatic Accumulation of Triacylglycerol in Rats Fed a High-Fat Diet: Underlying Mechanism. <i>Nutrients</i> , 2014, 6, 650-662.	1.7	13
36	A High-Throughput Method for the Analysis of Erythrocyte Fatty Acids and the Omega-3 Index. <i>Lipids</i> , 2018, 53, 1005-1015.	0.7	12

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37	Identification of a novel tetrameric structure for human apolipoprotein-D. <i>Journal of Structural Biology</i> , 2018, 203, 205-218.	1.3	12
38	HDX-MS reveals orthosteric and allosteric changes in apolipoprotein-D structural dynamics upon binding of progesterone. <i>Protein Science</i> , 2019, 28, 365-374.	3.1	12
39	The long and the short of Huntington's disease: how the sphingolipid profile is shifted in the caudate of advanced clinical cases. <i>Brain Communications</i> , 2022, 4, fcab303.	1.5	10
40	NMR assignment of the cAMP-binding domain A of the PKA regulatory subunit. <i>Journal of Biomolecular NMR</i> , 2006, 36, 64-64.	1.6	8
41	Rapid Quantification of Free Cholesterol in Tears Using Direct Insertion/Electron Ionization-Mass Spectrometry. , 2013, 54, 8027.		7
42	Increasing Acyl CoA thioesterase activity alters phospholipid profile without effect on insulin action in skeletal muscle of rats. <i>Scientific Reports</i> , 2018, 8, 13967.	1.6	7
43	Analysis of sex-specific lipid metabolism of <i>Plasmodium falciparum</i> points to the importance of sphingomyelin for gametocytogenesis. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	6
44	Mechanism of transcription modulation by the transcription-repair coupling factor. <i>Nucleic Acids Research</i> , 2022, 50, 5688-5712.	6.5	6
45	Implementing Fluorescence Anisotropy Screening and Crystallographic Analysis to Define PKA Isoform-Selective Activation by cAMP Analogs. <i>ACS Chemical Biology</i> , 2013, 8, 2164-2172.	1.6	5
46	Sterol Analysis by Quantitative Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2017, 1583, 221-239.	0.4	4
47	Distinct adaptations of a gametocyte ABC transporter to murine and human <i>Plasmodium</i> parasites and its incompatibility in cross-species complementation. <i>International Journal for Parasitology</i> , 2020, 50, 511-522.	1.3	4
48	Small angle X-ray scattering analysis of ligand-bound forms of tetrameric apolipoprotein-D. <i>Bioscience Reports</i> , 2021, 41, .	1.1	2
49	PKA Type IIa Holoenzyme Structure Reveals Isoform Diversity for Inhibition of Catalysis. <i>FASEB Journal</i> , 2008, 22, 1011.3.	0.2	0
50	Automation: Cross-Contamination. , 2015, , 1-2.		0