

Thomas Burgoyne

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,115
citations

279487

23
h-index

264894

42
g-index

58
all docs

58
docs citations

58
times ranked

4214
citing authors

#	ARTICLE	IF	CITATIONS
1	NPC1 regulates ER contacts with endocytic organelles to mediate cholesterol egress. <i>Nature Communications</i> , 2019, 10, 4276.	5.8	182
2	Oxidation of Atg3 and Atg7 mediates inhibition of autophagy. <i>Nature Communications</i> , 2018, 9, 95.	5.8	158
3	CCDC151 Mutations Cause Primary Ciliary Dyskinesia by Disruption of the Outer Dynein Arm Docking Complex Formation. <i>American Journal of Human Genetics</i> , 2014, 95, 257-274.	2.6	149
4	Mutations in REEP6 Cause Autosomal-Recessive Retinitis Pigmentosa. <i>American Journal of Human Genetics</i> , 2016, 99, 1305-1315.	2.6	121
5	ALIX Regulates Tumor-Mediated Immunosuppression by Controlling EGFR Activity and PD-L1 Presentation. <i>Cell Reports</i> , 2018, 24, 630-641.	2.9	103
6	Rod disc renewal occurs by evagination of the ciliary plasma membrane that makes cadherin-based contacts with the inner segment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15922-15927.	3.3	98
7	Mutations in Outer Dynein Arm Heavy Chain DNAH9 Cause Motile Cilia Defects and Situs Inversus. <i>American Journal of Human Genetics</i> , 2018, 103, 984-994.	2.6	95
8	Calcium signaling at ER membrane contact sites. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2012-2017.	1.9	94
9	Targeted NGS gene panel identifies mutations in RSPH1 causing primary ciliary dyskinesia and a common mechanism for ciliary central pair agenesis due to radial spoke defects. <i>Human Molecular Genetics</i> , 2014, 23, 3362-3374.	1.4	82
10	Differential Apicobasal VEGF Signaling at Vascular Blood-Neural Barriers. <i>Developmental Cell</i> , 2014, 30, 541-552.	3.1	79
11	Primary Cilia Mediate Diverse Kinase Inhibitor Resistance Mechanisms in Cancer. <i>Cell Reports</i> , 2018, 23, 3042-3055.	2.9	77
12	Methamphetamine-induced nitric oxide promotes vesicular transport in blood-brain barrier endothelial cells. <i>Neuropharmacology</i> , 2013, 65, 74-82.	2.0	71
13	WASH and Tsg101/ALIX-dependent diversion of stress-internalized EGFR from the canonical endocytic pathway. <i>Nature Communications</i> , 2015, 6, 7324.	5.8	63
14	Agonist-induced membrane nanodomain clustering drives GLP-1 receptor responses in pancreatic beta cells. <i>PLoS Biology</i> , 2019, 17, e3000097.	2.6	61
15	Regulation of melanosome number, shape and movement in the zebrafish retinal pigment epithelium by OA1 and PMEL. <i>Journal of Cell Science</i> , 2015, 128, 1400-1407.	1.2	48
16	Endothelial MAPKs Direct ICAM-1 Signaling to Divergent Inflammatory Functions. <i>Journal of Immunology</i> , 2017, 198, 4074-4085.	0.4	41
17	REEP6 deficiency leads to retinal degeneration through disruption of ER homeostasis and protein trafficking. <i>Human Molecular Genetics</i> , 2017, 26, 2667-2677.	1.4	39
18	Visualization of cardiac muscle thin filaments and measurement of their lengths by electron tomography. <i>Cardiovascular Research</i> , 2008, 77, 707-712.	1.8	38

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19	Primary ciliary dyskinesia with normal ultrastructure: three-dimensional tomography detects absence of DNAH11. <i>European Respiratory Journal</i> , 2018, 51, 1701809.	3.1	33
20	Extracellular vesicles from monocyte/platelet aggregates modulate human atherosclerotic plaque reactivity. <i>Journal of Extracellular Vesicles</i> , 2021, 10, 12084.	5.5	32
21	Characterizing the ultrastructure of primary ciliary dyskinesia transposition defect using electron tomography. <i>Cytoskeleton</i> , 2014, 71, 294-301.	1.0	29
22	Three-Dimensional Structure of Vertebrate Muscle Z-Band: The Small-Square Lattice Z-Band in Rat Cardiac Muscle. <i>Journal of Molecular Biology</i> , 2015, 427, 3527-3537.	2.0	29
23	Phagosomal and mitochondrial alterations in RPE may contribute to KCNJ13 retinopathy. <i>Scientific Reports</i> , 2019, 9, 3793.	1.6	29
24	Symmetric arrangement of mitochondria:plasma membrane contacts between adjacent photoreceptor cells regulated by Opa1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15684-15693.	3.3	26
25	Expression of OA1 limits the fusion of a subset of MVBs with lysosomes; a mechanism likely involved in the initial biogenesis of melanosomes. <i>Journal of Cell Science</i> , 2013, 126, 5143-52.	1.2	25
26	Ultrastructural insight into SARS-CoV-2 entry and budding in human airway epithelium. <i>Nature Communications</i> , 2022, 13, 1609.	5.8	24
27	Three-dimensional structure of the basketweave Z-band in midshipman fish sonic muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15534-15539.	3.3	19
28	Generation of a Three-Dimensional Ultrastructural Model of Human Respiratory Cilia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 800-806.	1.4	18
29	HtrA1 Mediated Intracellular Effects on Tubulin Using a Polarized RPE Disease Model. <i>EBioMedicine</i> , 2018, 27, 258-274.	2.7	17
30	Membrane trafficking in the retinal pigment epithelium at a glance. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	17
31	The relationship between ERâ€“multivesicular body membrane contacts and the ESCRT machinery. <i>Biochemical Society Transactions</i> , 2012, 40, 464-468.	1.6	16
32	Spillover events of rabbit haemorrhagic disease virus 2 (recombinant GI.4Pâ€“GI.2) from Lagomorpha to Eurasian badger. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 1030-1045.	1.3	14
33	Probing the Heterogeneity of Protein Kinase Activation in Cells by Super-resolution Microscopy. <i>ACS Nano</i> , 2017, 11, 249-257.	7.3	13
34	Selective Ablation of Megalin in the Retinal Pigment Epithelium Results in Megaophthalmos, Macromelanosome Formation and Severe Retina Degeneration. , 2019, 60, 322.		13
35	Remodeling of the Basal Labyrinth of Retinal Pigment Epithelial Cells With Osmotic Challenge, Age, and Disease. , 2019, 60, 2515.		12
36	Correlative light and immuno-electron microscopy of retinal tissue cryostat sections. <i>PLoS ONE</i> , 2018, 13, e0191048.	1.1	12

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37	PCD Detect: enhancing ciliary features through image averaging and classification. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L1048-L1060.	1.3	10
38	Glucose-Dependent miR-125b Is a Negative Regulator of Î²-Cell Function. Diabetes, 2022, 71, 1525-1545.	0.3	10
39	AMP-activated protein kinase is a key regulator of acute neurovascular permeability. Journal of Cell Science, 2021, 134, .	1.2	9
40	Chronically shortened rod outer segments accompany photoreceptor cell death in Choroideremia. PLoS ONE, 2020, 15, e0242284.	1.1	9
41	Zebrafish Motile Cilia as a Model for Primary Ciliary Dyskinesia. International Journal of Molecular Sciences, 2021, 22, 8361.	1.8	8
42	Physiological and Pathophysiological Aspects of Primary Ciliaâ€”A Literature Review with View on Functional and Structural Relationships in Cartilage. International Journal of Molecular Sciences, 2020, 21, 4959.	1.8	6
43	Ciliary Feature Counter: A program for the Quantitative Assessment of Cilia to Diagnose Primary Ciliary Dyskinesia. Diagnostics, 2020, 10, 524.	1.3	3
44	Expression of OA1 limits the fusion of a subset of MVBs with lysosomes â€” a mechanism potentially involved in the initial biogenesis of melanosomes. Journal of Cell Science, 2014, 127, 700-700.	1.2	2
45	UA-Zero as a Uranyl Acetate Replacement When Diagnosing Primary Ciliary Dyskinesia by Transmission Electron Microscopy. Diagnostics, 2021, 11, 1063.	1.3	2
46	The Study Of Primary Ciliary Dyskinesia In Difficult Cases Using Electron Tomography. , 2010, , .		1
47	A Comparison Between Chlamydomonas Flagella And Human Cilia By Electron Tomography. , 2010, , .		0
48	New light on photoreceptor renewal. Cell Cycle, 2016, 15, 1389-1390.	1.3	0
49	Improving Primary Ciliary Dyskinesia Diagnosis Using Artificial Intelligence. Microscopy and Microanalysis, 2020, 26, 2132-2132.	0.2	0