

Benoît T Kornmann

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

7,294
citations

236833

25
h-index

206029

48
g-index

114
all docs

114
docs citations

114
times ranked

7868
citing authors

#	ARTICLE	IF	CITATIONS
1	Restricted feeding uncouples circadian oscillators in peripheral tissues from the central pacemaker in the suprachiasmatic nucleus. <i>Genes and Development</i> , 2000, 14, 2950-2961.	2.7	1,955
2	An ER-Mitochondria Tethering Complex Revealed by a Synthetic Biology Screen. <i>Science</i> , 2009, 325, 477-481.	6.0	1,129
3	System-Driven and Oscillator-Dependent Circadian Transcription in Mice with a Conditionally Active Liver Clock. <i>PLoS Biology</i> , 2007, 5, e34.	2.6	584
4	Coming together to define membrane contact sites. <i>Nature Communications</i> , 2019, 10, 1287.	5.8	435
5	Organization and function of membrane contact sites. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 2526-2541.	1.9	399
6	REV-ERB β Participates in Circadian SREBP Signaling and Bile Acid Homeostasis. <i>PLoS Biology</i> , 2009, 7, e1000181.	2.6	368
7	The conserved GTPase Gem1 regulates endoplasmic reticulum-mitochondria connections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14151-14156.	3.3	312
8	ER-mitochondrial junctions can be bypassed by dominant mutations in the endosomal protein Vps13. <i>Journal of Cell Biology</i> , 2015, 210, 883-890.	2.3	203
9	ERMES-mediated ER-mitochondria contacts: molecular hubs for the regulation of mitochondrial biology. <i>Journal of Cell Science</i> , 2010, 123, 1389-1393.	1.2	178
10	Vps13-Mcp1 interact at vacuole-mitochondria interfaces and bypass ER-mitochondria contact sites. <i>Journal of Cell Biology</i> , 2017, 216, 3219-3229.	2.3	132
11	The molecular hug between the ER and the mitochondria. <i>Current Opinion in Cell Biology</i> , 2013, 25, 443-448.	2.6	127
12	Functional mapping of yeast genomes by saturated transposition. <i>ELife</i> , 2017, 6, .	2.8	126
13	Mechanical force induces mitochondrial fission. <i>ELife</i> , 2017, 6, .	2.8	125
14	Structure-function insights into direct lipid transfer between membranes by Mmm1-Mdm12 of ERMES. <i>Journal of Cell Biology</i> , 2018, 217, 959-974.	2.3	116
15	ER-mitochondria contact sites in yeast: beyond the myths of ERMES. <i>Current Opinion in Cell Biology</i> , 2015, 35, 7-12.	2.6	108
16	Regulation of Circadian Gene Expression in Liver by Systemic Signals and Hepatocyte Oscillators. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2007, 72, 319-330.	2.0	84
17	Mitotic redistribution of the mitochondrial network by Miro and Cenp-F. <i>Nature Communications</i> , 2015, 6, 8015.	5.8	84
18	Spontaneous rDNA copy number variation modulates Sir2 levels and epigenetic gene silencing. <i>Genes and Development</i> , 2005, 19, 1199-1210.	2.7	75

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19	Circadian Gene Expression in Cultured Cells. <i>Methods in Enzymology</i> , 2005, 393, 543-557.	0.4	74
20	The ERMES complex and ER-mitochondria connections. <i>Biochemical Society Transactions</i> , 2012, 40, 445-450.	1.6	70
21	Dynamics of the mitochondrial network during mitosis. <i>Biochemical Society Transactions</i> , 2016, 44, 510-516.	1.6	59
22	The Aspartic Protease Ddi1 Contributes to DNA-Protein Crosslink Repair in Yeast. <i>Molecular Cell</i> , 2020, 77, 1066-1079.e9.	4.5	58
23	Lipid exchange at ER-mitochondria contact sites: a puzzle falling into place with quite a few pieces missing. <i>Current Opinion in Cell Biology</i> , 2019, 57, 71-76.	2.6	53
24	Mechanical forces on cellular organelles. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	50
25	CENP-F couples cargo to growing and shortening microtubule ends. <i>Molecular Biology of the Cell</i> , 2017, 28, 2400-2409.	0.9	32
26	Indole-3-acetic acid is a physiological inhibitor of TORC1 in yeast. <i>PLoS Genetics</i> , 2021, 17, e1009414.	1.5	32
27	ER-mitochondria contacts promote mitochondrial-derived compartment biogenesis. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	30
28	Mitochondria transplantation between living cells. <i>PLoS Biology</i> , 2022, 20, e3001576.	2.6	28
29	High resolution microscopy reveals an unusual architecture of the <i>Plasmodium berghei</i> endoplasmic reticulum. <i>Molecular Microbiology</i> , 2016, 102, 775-791.	1.2	27
30	METALIC reveals interorganelle lipid flux in live cells by enzymatic mass tagging. <i>Nature Cell Biology</i> , 2022, 24, 996-1004.	4.6	26
31	Quality control in mitochondria: use it, break it, fix it, trash it. <i>F1000prime Reports</i> , 2014, 6, 15.	5.9	24
32	Rewiring phospholipid biosynthesis reveals resilience to membrane perturbations and uncovers regulators of lipid homeostasis. <i>EMBO Journal</i> , 2022, 41, e109998.	3.5	21
33	SUMO orchestrates multiple alternative DNA-protein crosslink repair pathways. <i>Cell Reports</i> , 2021, 37, 110034.	2.9	19
34	The endoplasmic reticulum-mitochondria encounter structure: coordinating lipid metabolism across membranes. <i>Biological Chemistry</i> , 2020, 401, 811-820.	1.2	17
35	Miro-dependent mitochondrial pool of CENP-F and its farnesylated C-terminal domain are dispensable for normal development in mice. <i>PLoS Genetics</i> , 2019, 15, e1008050.	1.5	15
36	ESCRT-III and ER-PM contacts maintain lipid homeostasis. <i>Molecular Biology of the Cell</i> , 2020, 31, 1302-1313.	0.9	15

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37	Cytotoxicity of 1-deoxysphingolipid unraveled by genome-wide genetic screens and lipidomics in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2019, 30, 2814-2826.	0.9	14
38	Peptide-Membrane Interaction between Targeting and Lysis. <i>ACS Chemical Biology</i> , 2017, 12, 2254-2259.	1.6	12
39	A Toolbox for Organelle Mechanobiology Research—Current Needs and Challenges. <i>Micromachines</i> , 2019, 10, 538.	1.4	11
40	Leri: A web-server for identifying protein functional networks from evolutionary couplings. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 3556-3563.	1.9	10
41	Liquid but not contactless. <i>Science</i> , 2020, 367, 507-508.	6.0	5
42	Membrane contact sites. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 1435-1438.	1.9	4
43	Eighth International Chorea-Acanthocytosis Symposium: Summary of Workshop Discussion and Action Points. <i>Tremor and Other Hyperkinetic Movements</i> , 2017, 7, 428.	1.1	2
44	Organelle morphogenesis, targeting, and distribution. <i>Molecular Biology of the Cell</i> , 2018, 29, 692-693.	0.9	1
45	SUMO Orchestrates Multiple Alternative DNA-Protein Crosslink Repair Pathways. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
46	SATurated Transposon Analysis in Yeast (SATAY) for Deep Functional Mapping of Yeast Genomes. <i>Methods in Molecular Biology</i> , 2022, 2477, 349-379.	0.4	1
47	Csf1: A Putative Lipid Transport Protein Required for Homeoviscous Adaptation of the Lipidome. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2022, 5, 251525642211019.	0.4	1
48	A mechanism to PLase the eye. <i>Developmental Cell</i> , 2021, 56, 1560-1561.	3.1	0
49	Editorial: Coupling and Uncoupling: Dynamic Control of Membrane Contacts. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 721546.	1.8	0