

Here, there, and everywhere: The importance of ER men

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Molecular mechanisms of contractile-ring constriction and membrane trafficking in cytokinesis. <i>Biophysical Reviews</i> , 2018, 10, 1649-1666.	1.5	12
2	Fluorescent Tracking of the Endoplasmic Reticulum in Live Pathogenic Fungal Cells. <i>ACS Chemical Biology</i> , 2018, 13, 3325-3332.	1.6	26
3	Chemical Profiling of the Endoplasmic Reticulum Proteome Using Designer Labeling Reagents. <i>Journal of the American Chemical Society</i> , 2018, 140, 17060-17070.	6.6	37
4	Stasimon/Tmem41b localizes to mitochondria-associated ER membranes and is essential for mouse embryonic development. <i>Biochemical and Biophysical Research Communications</i> , 2018, 506, 463-470.	1.0	31
5	Roles of protrudin at interorganelle membrane contact sites. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2019, 95, 312-320.	1.6	6
6	A programmable DNA-origami platform for studying lipid transfer between bilayers. <i>Nature Chemical Biology</i> , 2019, 15, 830-837.	3.9	66
7	Interactions of nanomaterials with ion channels and related mechanisms. <i>British Journal of Pharmacology</i> , 2019, 176, 3754-3774.	2.7	36
8	Positional Dynamics and Glycosomal Recruitment of Developmental Regulators during Trypanosome Differentiation. <i>MBio</i> , 2019, 10, .	1.8	12
9	Lipid dropletâ€‘membrane contact sites â€‘ from protein binding to function. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	55
10	Communications Between the Endoplasmic Reticulum and Other Organelles During Abiotic Stress Response in Plants. <i>Frontiers in Plant Science</i> , 2019, 10, 749.	1.7	61
11	MIGA2 Links Mitochondria, the ER, and Lipid Droplets and Promotes De Novo Lipogenesis in Adipocytes. <i>Molecular Cell</i> , 2019, 76, 811-825.e14.	4.5	136
12	One or Two Ca ²⁺ Stores in the Neuronal Endoplasmic Reticulum?. <i>Trends in Neurosciences</i> , 2019, 42, 755-757.	4.2	2
13	Mitocellular communication: Shaping health and disease. <i>Science</i> , 2019, 366, 827-832.	6.0	154
14	Emerging roles for the ER stress sensor IRE1 β in metabolic regulation and disease. <i>Journal of Biological Chemistry</i> , 2019, 294, 18726-18741.	1.6	94
15	VAPâ€‘SCRN1 interaction regulates dynamic endoplasmic reticulum remodeling and presynaptic function. <i>EMBO Journal</i> , 2019, 38, e101345.	3.5	53
16	PDZD8 mediates a Rab7-dependent interaction of the ER with late endosomes and lysosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22619-22623.	3.3	57
17	Mitochondriaâ€‘hubs for regulating cellular biochemistry: emerging concepts and networks. <i>Open Biology</i> , 2019, 9, 190126.	1.5	69
18	Fungal plasma membrane domains. <i>FEMS Microbiology Reviews</i> , 2019, 43, 642-673.	3.9	46

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19	Mitochondrial morphology regulates organellar Ca ²⁺ uptake and changes cellular Ca ²⁺ homeostasis. <i>FASEB Journal</i> , 2019, 33, 13176-13188.	0.2	90
20	Photosystem Biogenesis Is Localized to the Translation Zone in the Chloroplast of <i>Chlamydomonas</i> . <i>Plant Cell</i> , 2019, 31, 3057-3072.	3.1	26
21	Lipid Dynamics at Contact Sites Between the Endoplasmic Reticulum and Other Organelles. <i>Annual Review of Cell and Developmental Biology</i> , 2019, 35, 85-109.	4.0	57
22	Phosphatidic acid as a limiting host metabolite for the proliferation of the microsporidium <i>Tubulinosema ratisbonensis</i> in <i>Drosophila</i> flies. <i>Nature Microbiology</i> , 2019, 4, 645-655.	5.9	40
23	Endolysosomal Ca ²⁺ Signalling and Cancer Hallmarks: Two-Pore Channels on the Move, TRPML1 Lags Behind!. <i>Cancers</i> , 2019, 11, 27.	1.7	45
24	Endoplasmic Reticulum Stress, the Hypothalamus, and Energy Balance. <i>Trends in Endocrinology and Metabolism</i> , 2019, 30, 163-176.	3.1	67
25	Hostile Takeover: Hijacking of Endoplasmic Reticulum Function by T4SS and T3SS Effectors Creates a Niche for Intracellular Pathogens. <i>Microbiology Spectrum</i> , 2019, 7, .	1.2	10
26	Self-delivery of <i>N</i> -hydroxyethyl peptide assemblies to the cytosol inducing endoplasmic reticulum dilation in cancer cells. <i>Chemical Communications</i> , 2019, 55, 7474-7477.	2.2	17
27	Mitochondrial proteome profiling of <i>Leishmania tropica</i> . <i>Microbial Pathogenesis</i> , 2019, 133, 103542.	1.3	7
28	Remodeling of ER-plasma membrane contact sites but not STIM1 phosphorylation inhibits Ca ²⁺ influx in mitosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10392-10401.	3.3	26
29	Lipid droplet biogenesis. <i>Current Opinion in Cell Biology</i> , 2019, 59, 88-96.	2.6	93
30	Oxysterol Binding Protein: Tether, Transporter and Flux Capacitor?. <i>Trends in Cell Biology</i> , 2019, 29, 531-533.	3.6	4
31	Non-canonical function of IRE1 \pm determines mitochondria-associated endoplasmic reticulum composition to control calcium transfer and bioenergetics. <i>Nature Cell Biology</i> , 2019, 21, 755-767.	4.6	168
32	Mitofusins: Disease Gatekeepers and Hubs in Mitochondrial Quality Control by E3 Ligases. <i>Frontiers in Physiology</i> , 2019, 10, 517.	1.3	55
33	HCV Pit Stop at the Lipid Droplet: Refuel Lipids and Put on a Lipoprotein Coat before Exit. <i>Cells</i> , 2019, 8, 233.	1.8	41
34	Regulation and Function of Mitochondria-Lysosome Membrane Contact Sites in Cellular Homeostasis. <i>Trends in Cell Biology</i> , 2019, 29, 500-513.	3.6	203
35	Coming together to define membrane contact sites. <i>Nature Communications</i> , 2019, 10, 1287.	5.8	435
36	Getting close. Lysosome-ER contact sites tailor Ca ²⁺ signals. <i>Cell Calcium</i> , 2019, 80, 194-196.	1.1	9

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37	Staying in touch: Taking a closer look at ER-Golgi contact sites. <i>Journal of Cell Biology</i> , 2019, 218, 729-731.	2.3	2
38	New factors for protein transport identified by a genome-wide CRISPRi screen in mammalian cells. <i>Journal of Cell Biology</i> , 2019, 218, 3861-3879.	2.3	25
39	Hostile Takeover: Hijacking of Endoplasmic Reticulum Function by T4SS and T3SS Effectors Creates a Niche for Intracellular Pathogens. , 0, , 291-305.		1
40	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. <i>Developmental Cell</i> , 2019, 51, 476-487.e7.	3.1	87
41	DJ-1 regulates the integrity and function of ER-mitochondria association through interaction with IP3R3-Grp75-VDAC1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25322-25328.	3.3	156
42	Perspective: Mitochondria-ER Contacts in Metabolic Cellular Stress Assessed by Microscopy. <i>Cells</i> , 2019, 8, 5.	1.8	26
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46	Folding and Misfolding of Human Membrane Proteins in Health and Disease: From Single Molecules to Cellular Proteostasis. <i>Chemical Reviews</i> , 2019, 119, 5537-5606.	23.0	184
47	A molecular toolbox for interrogation of membrane contact sites. <i>Journal of Physiology</i> , 2020, 598, 1725-1739.	1.3	29
48	SMP domain proteins in membrane lipid dynamics. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158447.	1.2	17
49	Energy costs of salt tolerance in crop plants. <i>New Phytologist</i> , 2020, 225, 1072-1090.	3.5	284
50	Organelle interplay peroxisome interactions in health and disease. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 71-89.	1.7	85
51	Ca ²⁺ Signaling in Exocrine Cells. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a035279.	2.3	11
52	Integrated stress response in hepatitis C promotes Nrf2-related chaperone-mediated autophagy: A novel mechanism for host-microbe survival and HCC development in liver cirrhosis. <i>Seminars in Cell and Developmental Biology</i> , 2020, 101, 20-35.	2.3	25
53	Specialized ER membrane domains for lipid metabolism and transport. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158492.	1.2	17
54	Annexin A6 modulates TBC1D15/Rab7/StARD3 axis to control endosomal cholesterol export in NPC1 cells. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 2839-2857.	2.4	54

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58	Selective autophagy of cytosolic protein aggregates involves ribosome-free rough endoplasmic reticulum. <i>Histochemistry and Cell Biology</i> , 2020, 153, 89-99.	0.8	6
59	Staying in Healthy Contact: How Peroxisomes Interact with Other Cell Organelles. <i>Trends in Molecular Medicine</i> , 2020, 26, 201-214.	3.5	28
60	3D ultrastructural analysis of Î±-granule, dense granule, mitochondria, and canalicular system arrangement in resting human platelets. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2020, 4, 72-85.	1.0	43
61	Mitochondrial division, fusion and degradation. <i>Journal of Biochemistry</i> , 2020, 167, 233-241.	0.9	40
62	Lysosomes as dynamic regulators of cell and organismal homeostasis. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 101-118.	16.1	757
63	Structural and functional relationships between plasmodesmata and plant endoplasmic reticulum-plasma membrane contact sites consisting of three synaptotagmins. <i>New Phytologist</i> , 2020, 226, 798-808.	3.5	40
64	Phosphoinositides and calcium signaling; a marriage arranged at ER-PM contact sites. <i>Current Opinion in Physiology</i> , 2020, 17, 149-157.	0.9	18
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67	Married at Birth: Regulation of Cellular Fat Metabolism by ER-Lipid Droplet Crosstalk. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2020, 3, 251525642093467.	0.4	3
68	PDZD8 interacts with Protrudin and Rab7 at ER-late endosome membrane contact sites associated with mitochondria. <i>Nature Communications</i> , 2020, 11, 3645.	5.8	64
69	SEIPIN Isoforms Interact with the Membrane-Tethering Protein VAP27-1 for Lipid Droplet Formation. <i>Plant Cell</i> , 2020, 32, 2932-2950.	3.1	39
70	Shaping the mitochondrial inner membrane in health and disease. <i>Journal of Internal Medicine</i> , 2020, 287, 645-664.	2.7	83
71	Endoplasmic Reticulum Stress in Macrophages: The Vicious Circle of Lipid Accumulation and Pro-Inflammatory Response. <i>Biomedicines</i> , 2020, 8, 210.	1.4	23
72	Protrudin-deficient mice manifest depression-like behavior with abnormalities in activity, attention, and cued fear-conditioning. <i>Molecular Brain</i> , 2020, 13, 146.	1.3	8

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73	Improved Split-GFP Systems for Visualizing Organelle Contact Sites in Yeast and Human Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 571388.	1.8	15
74	An expanded palette of improved SPLICS reporters detects multiple organelle contacts in vitro and in vivo. <i>Nature Communications</i> , 2020, 11, 6069.	5.8	43
75	XBP1 links the 12-hour clock to NAFLD and regulation of membrane fluidity and lipid homeostasis. <i>Nature Communications</i> , 2020, 11, 6215.	5.8	34
76	Mitochondrial Miro GTPases coordinate mitochondrial and peroxisomal dynamics. <i>Small GTPases</i> , 2021, 12, 372-398.	0.7	12
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80	Getting intimate: Lysosomes and ER rendezvous to control autophagy. <i>Cell Calcium</i> , 2020, 91, 102249.	1.1	2
81	Mechanisms and Functions of Mitophagy and Potential Roles in Renal Disease. <i>Frontiers in Physiology</i> , 2020, 11, 935.	1.3	33
82	Quantitative Proteomics Links the LRRC59 Interactome to mRNA Translation on the ER Membrane. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1826-1849.	2.5	15
83	Palmitoylated CKAP4 regulates mitochondrial functions through an interaction with VDAC2 at ERâ€™ mitochondria contact sites. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	23
84	Membrane Curvature, Trans-Membrane Area Asymmetry, Budding, Fission and Organelle Geometry. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7594.	1.8	11
85	Reconstitution of autophagosome nucleation defines Atg9 vesicles as seeds for membrane formation. <i>Science</i> , 2020, 369, .	6.0	159
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87	C-terminal tail length guides insertion and assembly of membrane proteins. <i>Journal of Biological Chemistry</i> , 2020, 295, 15498-15510.	1.6	11
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97	A <i>Plasmodium</i> homolog of ER tubuleâ€™forming proteins is required for parasite virulence. <i>Molecular Microbiology</i> , 2020, 114, 454-467.	1.2	7
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101	Mechanisms, regulation and functions of the unfolded protein response. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 421-438.	16.1	1,129
102	Ca ²⁺ Fluxes and Cancer. <i>Molecular Cell</i> , 2020, 78, 1055-1069.	4.5	130
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104	Interplay between endoplasmic reticulum membrane contacts and actomyosin cytoskeleton. <i>Cytoskeleton</i> , 2020, 77, 241-248.	1.0	6
105	Staying in touch with the endocytic network: The importance of contacts for cholesterol transport. <i>Traffic</i> , 2020, 21, 354-363.	1.3	22
106	Autophagy in cancer: Recent advances and future directions. <i>Seminars in Cancer Biology</i> , 2020, 66, 171-181.	4.3	33
107	Endoplasmic reticulumâ€™associated degradation regulates mitochondrial dynamics in brown adipocytes. <i>Science</i> , 2020, 368, 54-60.	6.0	107
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110	The role of mitochondria in shaping odor responses in <i>Drosophila melanogaster</i> olfactory sensory neurons. <i>Cell Calcium</i> , 2020, 87, 102179.	1.1	6
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113	Axonal Endoplasmic Reticulum Dynamics and Its Roles in Neurodegeneration. <i>Frontiers in Neuroscience</i> , 2020, 14, 48.	1.4	79
114	Endoplasmic reticulum contact sites regulate the dynamics of membraneless organelles. <i>Science</i> , 2020, 367, .	6.0	170
115	Ribosome-associated vesicles: A dynamic subcompartment of the endoplasmic reticulum in secretory cells. <i>Science Advances</i> , 2020, 6, eaay9572.	4.7	42
116	A central role of the endoplasmic reticulum in the cell emerges from its functional contact sites with multiple organelles. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 4729-4745.	2.4	16
117	Structural Mechanism Analysis of Orderly and Efficient Vesicle Transport by High-Resolution Imaging and Fluorescence Tracking. <i>Analytical Chemistry</i> , 2020, 92, 6555-6563.	3.2	6
118	Miro2 tethers the ER to mitochondria to promote mitochondrial fusion in tobacco leaf epidermal cells. <i>Communications Biology</i> , 2020, 3, 161.	2.0	32
119	Lipid Droplet-Peroxisome Connections in Plants. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2020, 3, 251525642090876.	0.4	10
120	Protein tyrosine phosphatase 1B is involved in efficient type I interferon secretion upon viral infection. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	2
121	Endosome-to-TGN Trafficking: Organelle-Vesicle and Organelle-Organelle Interactions. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 163.	1.8	48
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123	A mammalian system for high-resolution imaging of intact cells by cryo-electron tomography. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 160, 87-96.	1.4	2
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125	Distinct Distribution of RTN1A in Immune Cells in Mouse Skin and Lymphoid Organs. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 8, 608876.	1.8	2
126	Dynamic organization of intracellular organelle networks. <i>WIREs Mechanisms of Disease</i> , 2021, 13, e1505.	1.5	3

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127	Mitochondria orchestrate macrophage effector functions in atherosclerosis. <i>Molecular Aspects of Medicine</i> , 2021, 77, 100922.	2.7	26
128	DNA origami-based protein networks: from basic construction to emerging applications. <i>Chemical Society Reviews</i> , 2021, 50, 1846-1873.	18.7	51
129	Getting in Touch Is an Important Step: Control of Metabolism at Organelle Contact Sites. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2021, 4, 251525642199370.	0.4	2
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131	Beyond Proteostasis: Lipid Metabolism as a New Player in ER Homeostasis. <i>Metabolites</i> , 2021, 11, 52.	1.3	30
132	What the VAP: The Expanded VAP Family of Proteins Interacting With FFAT and FFAT-Related Motifs for Interorganellar Contact. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2021, 4, 251525642110122.	0.4	13
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134	OUP accepted manuscript. <i>Plant Physiology</i> , 2021, , .	2.3	9
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136	Signaling Microdomains in the Spotlight: Visualizing Compartmentalized Signaling Using Genetically Encoded Fluorescent Biosensors. <i>Annual Review of Pharmacology and Toxicology</i> , 2021, 61, 587-608.	4.2	21
137	Axonal Organelles as Molecular Platforms for Axon Growth and Regeneration after Injury. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1798.	1.8	18
138	Molecular basis of accessible plasma membrane cholesterol recognition by the GRAM domain of GRAMD1b. <i>EMBO Journal</i> , 2021, 40, e106524.	3.5	80
140	A potential thirdâ€™ order role of the host endoplasmic reticulum as a contact site in interkingdom microbial endosymbiosis and viral infection. <i>Environmental Microbiology Reports</i> , 2021, 13, 255-271.	1.0	2
141	Intercellular mitochondrial transfer as a means of tissue revitalization. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 65.	7.1	137
142	An updated review of mechanistic potentials of melatonin against cancer: pivotal roles in angiogenesis, apoptosis, autophagy, endoplasmic reticulum stress and oxidative stress. <i>Cancer Cell International</i> , 2021, 21, 188.	1.8	41
143	In the Right Place at the Right Time: Regulation of Cell Metabolism by IP3R-Mediated Inter-Organelle Ca ²⁺ Fluxes. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 629522.	1.8	24
144	Microtubule-independent movement of the fission yeast nucleus. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	3
146	Mitochondria Associated Membranes (MAMs): Architecture and physiopathological role. <i>Cell Calcium</i> , 2021, 94, 102343.	1.1	64

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147	Autophagy facilitates mitochondrial rebuilding after acute heat stress via a DRP-1-dependent process. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	21
148	Recent studies on NCLX in health and diseases. <i>Cell Calcium</i> , 2021, 94, 102345.	1.1	15
149	Optogenetic Tools for Manipulating Protein Subcellular Localization and Intracellular Signaling at Organelle Contact Sites. <i>Current Protocols</i> , 2021, 1, e71.	1.3	7
151	Structural and Functional Significance of the Endoplasmic Reticulum Unfolded Protein Response Transducers and Chaperones at the Mitochondria-ER Contacts: A Cancer Perspective. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 641194.	1.8	11
153	PDZD8-mediated lipid transfer at contacts between the ER and late endosomes/lysosomes is required for neurite outgrowth. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	26
156	At the Crossroads of Survival and Death: The Reactive Oxygen Species-Ethylene-Sugar Triad and the Unfolded Protein Response. <i>Trends in Plant Science</i> , 2021, 26, 338-351.	4.3	34
157	Structural and Functional Remodeling of Mitochondria in Cardiac Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4167.	1.8	20
159	MitopathHs: A new logically-framed tool for visualizing multiple mitochondrial pathways. <i>IScience</i> , 2021, 24, 102324.	1.9	1
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162	Three-dimensional ATUM-SEM reconstruction and analysis of hepatic endoplasmic reticulum-organelle interactions. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 636-645.	1.5	2
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