Yannick Schwab

List of Publications by Year
in descending order

91	6,225	76326	82547
papers	citations	40 h-index	72 g-index

111	111	111	12204
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Software tools for automated transmission electron microscopy. Nature Methods, 2019, 16, 471-477.	19.0	367
2	The V0-ATPase mediates apical secretion of exosomes containing Hedgehog-related proteins in Caenorhabditis elegans. Journal of Cell Biology, 2006, 173, 949-961.	5.2	281
3	Ultrastructural Characterization of Zika Virus Replication Factories. Cell Reports, 2017, 18, 2113-2123.	6.4	274
4	Selective autophagy degrades DICER and AGO2 and regulates miRNA activity. Nature Cell Biology, 2012, 14, 1314-1321.	10.3	225
5	Hemodynamic Forces Tune the Arrest, Adhesion, and Extravasation of Circulating Tumor Cells. Developmental Cell, 2018, 45, 33-52.e12.	7.0	219
6	Integrative Imaging Reveals SARS-CoV-2-Induced Reshaping of Subcellular Morphologies. Cell Host and Microbe, 2020, 28, 853-866.e5.	11.0	213
7	Dengue Virus Perturbs Mitochondrial Morphodynamics to Dampen Innate Immune Responses. Cell Host and Microbe, 2016, 20, 342-356.	11.0	207
8	STARD3/STARD3NL and VAP make a novel molecular tether between late endosomes and the ER. Journal of Cell Science, 2013, 126, 5500-12.	2.0	206
9	RAL-1 controls multivesicular body biogenesis and exosome secretion. Journal of Cell Biology, 2015, 211, 27-37.	5.2	193
10	Endothelial Cilia Mediate Low Flow Sensing during Zebrafish Vascular Development. Cell Reports, 2014, 6, 799-808.	6.4	180
11	In-cell architecture of the nuclear pore and snapshots of its turnover. Nature, 2020, 586, 796-800.	27.8	139
12	Luminal signalling links cell communication to tissue architecture during organogenesis. Nature, 2014, 515, 120-124.	27.8	129
13	Insulin secretory granules control autophagy in pancreatic Î² cells. Science, 2015, 347, 878-882.	12.6	127
14	Dendritically released transmitters cooperate via autocrine and retrograde actions to inhibit afferent excitation in rat brain. Journal of Physiology, 2004, 559, 611-624.	2.9	124
15	AAV-mediated intramuscular delivery of myotubularin corrects the myotubular myopathy phenotype in targeted murine muscle and suggests a function in plasma membrane homeostasis. Human Molecular Genetics, 2008, 17, 2132-2143.	2.9	115
16	Defects in amphiphysin 2 (BIN1) and triads in several forms of centronuclear myopathies. Acta Neuropathologica, 2011, 121, 253-266.	7.7	113
17	Profiling cellular diversity in sponges informs animal cell type and nervous system evolution. Science, 2021, 374, 717-723.	12.6	111
18	Pre-assembled Nuclear Pores Insert into the Nuclear Envelope during Early Development. Cell, 2016, 166, 664-678.	28.9	101

#	Article	IF	Citations
19	A Caenorhabditis elegans model for epithelialâ€“neuronal transdifferentiation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3790-3795.	7.1	98
20	Autistic-Like Syndrome in Mu Opioid Receptor Null Mice is Relieved by Facilitated mGluR4 Activity. Neuropsychopharmacology, 2014, 39, 2049-2060.	5.4	97
21	Fast and precise targeting of single tumor cells in vivo by multimodal correlative microscopy. Journal of Cell Science, 2016, 129, 444-56.	2.0	97
22	The glutamate transporter EAAT5 works as a presynaptic receptor in mouse rod bipolar cells. Journal of Physiology, 2006, 577, 221-234.	2.9	93
23	Nuclear Pores Assemble from Nucleoporin Condensates During Oogenesis. Cell, 2019, 179, 671-686.e17.	28.9	87
24	Intravital Correlative Microscopy: Imaging Life at the Nanoscale. Trends in Cell Biology, 2016, 26, 848-863.	7.9	86
25	Spatiotemporal Coupling of the Hepatitis C Virus Replication Cycle by Creating a Lipid Droplet-Proximal Membranous Replication Compartment. Cell Reports, 2019, 27, 3602-3617.e5.	6.4	86
26	The BAR Domain Protein Arfaptin-1 Controls Secretory Granule Biogenesis at the trans-Golgi Network. Developmental Cell, 2012, 23, 756-768.	7.0	85
27	Acetylated tubulin is essential for touch sensation in mice. ELife, 2016, 5, .	6.0	78
28	Enterocyte Purge and Rapid Recovery Is a Resilience Reaction of the Gut Epithelium to Pore-Forming Toxin Attack. Cell Host and Microbe, 2016, 20, 716-730.	11.0	77
29	Postmitotic nuclear pore assembly proceeds by radial dilation of small membrane openings. Nature Structural and Molecular Biology, 2018, 25, 21-28.	8.2	75
30	A precise and rapid mapping protocol for correlative light and electron microscopy of small invertebrate organisms. Biology of the Cell, 2010, 102, 121-132.	2.0	72
31	A pathway for unicellular tube extension depending on the lymphatic vessel determinant Prox1 and on osmoregulation. Nature Cell Biology, 2013, 15, 157-168.	10.3	72
32	Single organelle dynamics linked to 3D structure by correlative liveâ€cell imaging and 3D electron microscopy. Traffic, 2018, 19, 354-369.	2.7	72
33	From Dynamic Live Cell Imaging to 3D Ultrastructure: Novel Integrated Methods for High Pressure Freezing and Correlative Light-Electron Microscopy. PLoS ONE, 2010, 5, e9014.	2.5	70
34	Amphiphysin 2 Orchestrates Nucleus Positioning and Shape by Linking the Nuclear Envelope to the Actin and Microtubule Cytoskeleton. Developmental Cell, 2015, 35, 186-198.	7.0	65
35	Whole-body integration of gene expression and single-cell morphology. Cell, 2021, 184, 4819-4837.e22.	28.9	65
36	Dynamics of in vivo ASC speck formation. Journal of Cell Biology, 2017, 216, 2891-2909.	5.2	60

#	Article	IF	Citations
37	Tunneling nanotube-mediated intercellular vesicle and protein transfer in the stroma-provided imatinib resistance in chronic myeloid leukemia cells. Cell Death and Disease, 2019, 10, 817.	6.3	59
38	Lysosomal degradation of newly formed insulin granules contributes to Î² cell failure in diabetes. Nature Communications, 2019, 10, 3312.	12.8	53
39	Myotubularin and PtdIns3P remodel the sarcoplasmic reticulum in muscle in vivo. Journal of Cell Science, 2013, 126, 1806-19.	2.0	51
40	Morphological bases of phytoplankton energy management and physiological responses unveiled by 3D subcellular imaging. Nature Communications, 2021, 12, 1049.	12.8	51
41	Asymmetric Centriole Numbers at Spindle Poles Cause Chromosome Missegregation in Cancer. Cell Reports, 2017, 20, 1906-1920.	6.4	49
42	Distinct mechanisms eliminate mother and daughter centrioles in meiosis of starfish oocytes. Journal of Cell Biology, 2016, 212, 815-827.	5.2	48
43	Correlating Intravital Multi-Photon Microscopy to 3D Electron Microscopy of Invading Tumor Cells Using Anatomical Reference Points. PLoS ONE, 2014, 9, e114448.	2.5	46
44	In vivo testing of gold nanoparticles using the Caenorhabditis elegans model organism. Acta Biomaterialia, 2017, 53, 598-609.	8.3	46
45	Volume electron microscopy. Nature Reviews Methods Primers, 2022, 2, .	21.2	46
46	Algal Remodeling in a Ubiquitous Planktonic Photosymbiosis. Current Biology, 2019, 29, 968-978.e4.	3.9	45
47	Human prion protein binds Argonaute and promotes accumulation of microRNA effector complexes. Nature Structural and Molecular Biology, 2012, 19, 517-524.	8.2	43
48	Find your way with X-Ray. Methods in Cell Biology, 2017, 140, 277-301.	1.1	42
49	Bio-identity and fate of albumin-coated SPIONs evaluated in cells and by the C. elegans model. Acta Biomaterialia, 2016, 43, 348-357.	8.3	41
50	In VivoVisualization of Delta Opioid Receptors upon Physiological Activation Uncovers a Distinct Internalization Profile. Journal of Neuroscience, 2012, 32, 7301-7310.	3.6	39
51	Targeted Ultramicrotomy. Methods in Cell Biology, 2012, 111, 203-222.	1.1	39
52	The podocyte protein nephrin is required for cardiac vessel formation. Human Molecular Genetics, 2011, 20, 2182-2194.	2.9	38
53	Mammalian retinal horizontal cells are unconventional GABAergic neurons. Journal of Neurochemistry, 2011, 116, 350-362.	3.9	37
54	AMST: Alignment to Median Smoothed Template for Focused Ion Beam Scanning Electron Microscopy Image Stacks. Scientific Reports, 2020, 10, 2004.	3.3	37

#	Article	IF	Citations
55	High-precision targeting workflow for volume electron microscopy. Journal of Cell Biology, 2021, 220, .	5.2	33
56	Minimal resin embedding of multicellular specimens for targeted FIB-SEM imaging. Methods in Cell Biology, 2017, 140, 69-83.	1.1	32
57	Mouse Delta Opioid Receptors are Located on Presynaptic Afferents to Hippocampal Pyramidal Cells. Cellular and Molecular Neurobiology, 2012, 32, 509-516.	3.3	31
58	Local blood coagulation drives cancer cell arrest and brain metastasis in a mouse model. Blood, 2021, 137, 1219-1232.	1.4	31
59	Calcium-dependent translocation of synaptotagmin to the plasma membrane in the dendrites of developing neurones. Molecular Brain Research, 2001, 96, 1-13.	2.3	28
60	Cytoklepty in the plankton: A host strategy to optimize the bioenergetic machinery of endosymbiotic algae. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	27
61	Quantifying Golgi structure using EM: combining volume-SEM and stereology for higher throughput. Histochemistry and Cell Biology, 2017, 147, 653-669.	1.7	26
62	Cell and tissue manipulation with ultrashort infrared laser pulses in light-sheet microscopy. Scientific Reports, 2020, 10, 1942.	3.3	26
63	DYC-1, a Protein Functionally Linked to Dystrophin inCaenorhabditis elegansIs Associated with the Dense Body, Where It Interacts with the Muscle LIM Domain Protein ZYX-1. Molecular Biology of the Cell, 2008, 19, 785-796.	2.1	25
64	Dynamic Buffering of Extracellular Chemokine by a Dedicated Scavenger Pathway Enables Robust Adaptation during Directed Tissue Migration. Developmental Cell, 2020, 52, 492-508.e10.	7.0	25
65	Transcytosis via the late endocytic pathway as a cell morphogenetic mechanism. EMBO Journal, 2020, 39, e105332.	7.8	23
66	Innovating carbon-capture biotechnologies through ecosystem-inspired solutions. One Earth, 2021, 4, 49-59.	6.8	21
67	Spatial control of nucleoporin condensation by fragile Xâ€related proteins. EMBO Journal, 2020, 39, e104467.	7.8	21
68	Endogenous modulators of synaptic transmission: cannabinoid regulation in the supraoptic nucleus. Progress in Brain Research, 2008, 170, 129-136.	1.4	19
69	Systems biology in 3D space â€“ enter the morphome. Trends in Cell Biology, 2015, 25, 59-64.	7.9	19
70	Correlative Light and Electron Microscopy: From Live Cell Dynamic to 3D Ultrastructure. Methods in Molecular Biology, 2014, 1117, 485-501.	0.9	18
71	Using Correlative Light and Electron Microscopy to Study Zebrafish Vascular Morphogenesis. Methods in Molecular Biology, 2015, 1189, 31-46.	0.9	15
72	Birbeck Granule-Like â€œOrganized Smooth Endoplasmic Reticulumâ€•Resulting from the Expression of a Cytoplasmic YFP-Tagged Langerin. PLoS ONE, 2013, 8, e60813.	2.5	15

#	Article	IF	Citations
73	Correlative Light Electron Microscopy (CLEM) for Tracking and Imaging Viral Protein Associated Structures in Cryo-immobilized Cells. Journal of Visualized Experiments, 2018, , .	0.3	14
74	Subcellular architecture and metabolic connection in the planktonic photosymbiosis between Collodaria (radiolarians) and their microalgae. Environmental Microbiology, 2021, 23, 6569-6586.	3.8	14
75	Physiological Maturation of Photoreceptors Depends on the Voltage-Gated Sodium Channel NaV1.6 (Scn8a). Journal of Neuroscience, 2005, 25, 5046-5050.	3.6	13
76	PAT-12, a potential anti-nematode target, is a new spectraplakin partner essential for Caenorhabditis elegans hemidesmosome integrity and embryonic morphogenesis. Developmental Biology, 2011, 350, 267-278.	2.0	13
77	Mesopolysaccharides: The extracellular surface layer of visceral organs. PLoS ONE, 2020, 15, e0238798.	2.5	13
78	MOSPD2 is an endoplasmic reticulumâ€“lipid droplet tether functioning in LD homeostasis. Journal of Cell Biology, 2022, 221, .	5.2	13
79	Structural Analysis of the Caenorhabditis elegans Dauer Larval Anterior Sensilla by Focused Ion Beam-Scanning Electron Microscopy. Frontiers in Neuroanatomy, 2021, 15, 732520.	1.7	12
80	Intracellular development and impact of a marine eukaryotic parasite on its zombified microalgal host. ISME Journal, 2022, 16, 2348-2359.	9.8	10
81	Photonic-chip assisted correlative light and electron microscopy. Communications Biology, 2020, 3, 739.	4.4	9
82	A new method for cryo-sectioning cell monolayers using a correlative workflow. Methods in Cell Biology, 2017, 140, 85-103.	1.1	7
83	Distinct Trafficking of Cell Surface and Endosomal <scp>TIM</scp>â€1 to the Immune Synapse. Traffic, 2015, 16, 1193-1207.	2.7	6
84	Expression of tetrodotoxin-sensitive and resistant sodium channels by rat melanotrophs. NeuroReport, 2004, 15, 1219-1223.	1.2	5
85	Correlated light and electron microscopy of cell division in large marine oocytes, eggs, and embryos. Methods in Cell Biology, 2018, 145, 293-313.	1.1	2
86	Minimal Resin Embedding of Multicellular Specimens for Targeted FIB-SEM Imaging. Microscopy and Microanalysis, 2017, 23, 1274-1275.	0.4	1
87	MoBIE: A free and open-source platform for integration and cloud-based sharing of multi-modal correlative big image data. Microscopy and Microanalysis, 2021, 27, 2588-2589.	0.4	1
88	Whole Body Integration of Gene Expression and Morphology Using Correlative Volume EM. Microscopy and Microanalysis, 2020, 26, 1044-1045.	0.4	0
89	Synthetic Patches, Real Images: Screening for Centrosome Aberrations in EM Images of Human Cancer Cells. Lecture Notes in Computer Science, 2019, , 523-531.	1.3	0
90	High-Throughput Immunofluorescence and Electron Tomography to Characterize Centrosomal Aberrations in Plasma Cell Neoplasia. Blood, 2019, 134, 3077-3077.	1.4	0

#	Article	IF	Citations
91	Multi-Modality Imaging Reveals Structural Centrosome Aberrations As a Potential Driver of Chromosomal Instability in Early-Stage Plasma Cell Disorders. Blood, 2021, 138, 1579-1579.	1.4	0