

Nicole L Schieber

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3933791/publications.pdf>

Version: 2024-02-01

39
papers

3,875
citations

172207

29
h-index

276539

41
g-index

48
all docs

48
docs citations

48
times ranked

7222
citing authors

#	ARTICLE	IF	CITATIONS
1	Microglia remodel synapses by presynaptic trogocytosis and spine head filopodia induction. <i>Nature Communications</i> , 2018, 9, 1228.	5.8	586
2	Acyl-CoA synthetase 3 promotes lipid droplet biogenesis in ER microdomains. <i>Journal of Cell Biology</i> , 2013, 203, 985-1001.	2.3	257
3	High-resolution mapping reveals topologically distinct cellular pools of phosphatidylserine. <i>Journal of Cell Biology</i> , 2011, 194, 257-275.	2.3	249
4	AMPK activation promotes lipid droplet dispersion on detyrosinated microtubules to increase mitochondrial fatty acid oxidation. <i>Nature Communications</i> , 2015, 6, 7176.	5.8	215
5	Integrative Imaging Reveals SARS-CoV-2-Induced Reshaping of Subcellular Morphologies. <i>Cell Host and Microbe</i> , 2020, 28, 853-866.e5.	5.1	213
6	Dengue Virus Perturbs Mitochondrial Morphodynamics to Dampen Innate Immune Responses. <i>Cell Host and Microbe</i> , 2016, 20, 342-356.	5.1	207
7	EHD2 regulates caveolar dynamics via ATP-driven targeting and oligomerization. <i>Molecular Biology of the Cell</i> , 2012, 23, 1316-1329.	0.9	165
8	The caveolin-cavin system plays a conserved and critical role in mechanoprotection of skeletal muscle. <i>Journal of Cell Biology</i> , 2015, 210, 833-849.	2.3	133
9	A Single Method for Cryofixation and Correlative Light, Electron Microscopy and Tomography of Zebrafish Embryos. <i>Traffic</i> , 2009, 10, 131-136.	1.3	131
10	Luminal signalling links cell communication to tissue architecture during organogenesis. <i>Nature</i> , 2014, 515, 120-124.	13.7	129
11	Endocytic Crosstalk: Cavins, Caveolins, and Caveolae Regulate Clathrin-Independent Endocytosis. <i>PLoS Biology</i> , 2014, 12, e1001832.	2.6	128
12	Profiling cellular diversity in sponges informs animal cell type and nervous system evolution. <i>Science</i> , 2021, 374, 717-723.	6.0	111
13	Pre-assembled Nuclear Pores Insert into the Nuclear Envelope during Early Development. <i>Cell</i> , 2016, 166, 664-678.	13.5	101
14	Fast and precise targeting of single tumor cells <i>in vivo</i> by multimodal correlative microscopy. <i>Journal of Cell Science</i> , 2016, 129, 444-56.	1.2	97
15	Spatiotemporal Coupling of the Hepatitis C Virus Replication Cycle by Creating a Lipid Droplet-Proximal Membranous Replication Compartment. <i>Cell Reports</i> , 2019, 27, 3602-3617.e5.	2.9	86
16	Visualization of the heterogeneous membrane distribution of sphingomyelin associated with cytokinesis, cell polarity, and sphingolipidosis. <i>FASEB Journal</i> , 2015, 29, 477-493.	0.2	76
17	Single organelle dynamics linked to 3D structure by correlative live-cell imaging and 3D electron microscopy. <i>Traffic</i> , 2018, 19, 354-369.	1.3	72
18	Different Characteristics and Nucleotide Binding Properties of Inosine Monophosphate Dehydrogenase (IMPDH) Isoforms. <i>PLoS ONE</i> , 2012, 7, e51096.	1.1	71

#	ARTICLE	IF	CITATIONS
19	Dynamics of in vivo ASC speck formation. <i>Journal of Cell Biology</i> , 2017, 216, 2891-2909.	2.3	60
20	Postlipolytic insulin-dependent remodeling of micro lipid droplets in adipocytes. <i>Molecular Biology of the Cell</i> , 2012, 23, 1826-1837.	0.9	59
21	Role of AP1 and Gadkin in the traffic of secretory endo-lysosomes. <i>Molecular Biology of the Cell</i> , 2011, 22, 2068-2082.	0.9	55
22	Lysosomal degradation of newly formed insulin granules contributes to β cell failure in diabetes. <i>Nature Communications</i> , 2019, 10, 3312.	5.8	53
23	Morphological bases of phytoplankton energy management and physiological responses unveiled by 3D subcellular imaging. <i>Nature Communications</i> , 2021, 12, 1049.	5.8	51
24	Asymmetric Centriole Numbers at Spindle Poles Cause Chromosome Missegregation in Cancer. <i>Cell Reports</i> , 2017, 20, 1906-1920.	2.9	49
25	Correlating Intravital Multi-Photon Microscopy to 3D Electron Microscopy of Invading Tumor Cells Using Anatomical Reference Points. <i>PLoS ONE</i> , 2014, 9, e114448.	1.1	46
26	Volume electron microscopy. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	11.8	46
27	Algal Remodeling in a Ubiquitous Planktonic Photosymbiosis. <i>Current Biology</i> , 2019, 29, 968-978.e4.	1.8	45
28	Find your way with X-Ray. <i>Methods in Cell Biology</i> , 2017, 140, 277-301.	0.5	42
29	Clearance by Microglia Depends on Packaging of Phagosomes into a Unique Cellular Compartment. <i>Developmental Cell</i> , 2019, 49, 77-88.e7.	3.1	42
30	AMST: Alignment to Median Smoothed Template for Focused Ion Beam Scanning Electron Microscopy Image Stacks. <i>Scientific Reports</i> , 2020, 10, 2004.	1.6	37
31	Comparative retinal anatomy in four species of elasmobranch. <i>Journal of Morphology</i> , 2012, 273, 423-440.	0.6	34
32	A novel sphingomyelin/cholesterol domain-specific probe reveals the dynamics of the membrane domains during virus release and in Niemann-Pick type C. <i>FASEB Journal</i> , 2017, 31, 1301-1322.	0.2	34
33	Minimal resin embedding of multicellular specimens for targeted FIB-SEM imaging. <i>Methods in Cell Biology</i> , 2017, 140, 69-83.	0.5	32
34	Cytoklepty in the plankton: A host strategy to optimize the bioenergetic machinery of endosymbiotic algae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	27
35	Modern Approaches for Ultrastructural Analysis of the Zebrafish Embryo. <i>Methods in Cell Biology</i> , 2010, 96, 425-442.	0.5	25
36	AarF Domain Containing Kinase 3 (ADCK3) Mutant Cells Display Signs of Oxidative Stress, Defects in Mitochondrial Homeostasis and Lysosomal Accumulation. <i>PLoS ONE</i> , 2016, 11, e0148213.	1.1	15

#	ARTICLE	IF	CITATIONS
37	Correlative Light Electron Microscopy (CLEM) for Tracking and Imaging Viral Protein Associated Structures in Cryo-immobilized Cells. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	14
38	Phosphorylation of PKC $\hat{\imath}$ by FER tips the balance from EGFR degradation to recycling. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	14
39	Volume Scanning Electron Microscopy: Serial Block-Face Scanning Electron Microscopy Focussed Ion Beam Scanning Electron Microscopy. <i>Biological and Medical Physics Series</i> , 2018, , 117-148.	0.3	10