

Nicole L Schieber

List of Publications by Year in Descending Order

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Version: 2024-04-19

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

2,547
citations

24
h-index

48
g-index

48
ext. papers

3,320
ext. citations

10.6
avg, IF

4.71
L-index

#	Paper	IF	Citations
43	Profiling cellular diversity in sponges informs animal cell type and nervous system evolution. <i>Science</i> , 2021 , 374, 717-723	33.3	15
42	Cytokleptly 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,	11.5	4
41	Phosphorylation of PKC β by FER tips the balance from EGFR degradation to recycling. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	5
40	Morphological bases of phytoplankton energy management and physiological responses unveiled by 3D subcellular imaging. <i>Nature Communications</i> , 2021 , 12, 1049	17.4	10
39	AMST: Alignment to Median Smoothed Template for Focused Ion Beam Scanning Electron Microscopy Image Stacks. <i>Scientific Reports</i> , 2020 , 10, 2004	4.9	15
38	Integrative Imaging Reveals SARS-CoV-2-Induced Reshaping of Subcellular Morphologies. <i>Cell Host and Microbe</i> , 2020 , 28, 853-866.e5	23.4	76
37	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	10.6	49
36	Algal Remodeling in a Ubiquitous Planktonic Photosymbiosis. <i>Current Biology</i> , 2019 , 29, 968-978.e4	6.3	20
35	Clearance by Microglia Depends on Packaging of Phagosomes into a Unique Cellular Compartment. <i>Developmental Cell</i> , 2019 , 49, 77-88.e7	10.2	23
34	Lysosomal degradation of newly formed insulin granules contributes to β cell failure in diabetes. <i>Nature Communications</i> , 2019 , 10, 3312	17.4	29
33	The Importance of Sample Processing for Correlative Imaging (or, Rubbish In, Rubbish Out) 2019 , 37-66		2
32	Single organelle dynamics linked to 3D structure by correlative live-cell imaging and 3D electron microscopy. <i>Traffic</i> , 2018 , 19, 354-369	5.7	50
31	Volume Scanning Electron Microscopy: Serial Block-Face Scanning Electron Microscopy Focused Ion Beam Scanning Electron Microscopy 2018 , 117-148		8
30	Microglia remodel synapses by presynaptic trogocytosis and spine head filopodia induction. <i>Nature Communications</i> , 2018 , 9, 1228	17.4	356
29	Correlative Light Electron Microscopy (CLEM) for Tracking and Imaging Viral Protein Associated Structures in Cryo-immobilized Cells. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	9
28	Minimal resin embedding of multicellular specimens for targeted FIB-SEM imaging. <i>Methods in Cell Biology</i> , 2017 , 140, 69-83	1.8	23
27	Find your way with X-Ray: Using microCT to correlate in vivo imaging with 3D electron microscopy. <i>Methods in Cell Biology</i> , 2017 , 140, 277-301	1.8	24

26	Asymmetric Centriole Numbers at Spindle Poles Cause Chromosome Missegregation in Cancer. <i>Cell Reports</i> , 2017 , 20, 1906-1920	10.6	25
25	Dynamics of in vivo ASC speck formation. <i>Journal of Cell Biology</i> , 2017 , 216, 2891-2909	7.3	40
24	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	0.9	23
23	Dengue Virus Perturbs Mitochondrial Morphodynamics to Dampen Innate Immune Responses. <i>Cell Host and Microbe</i> , 2016 , 20, 342-356	23.4	146
22	Fast and precise targeting of single tumor cells in vivo by multimodal correlative microscopy. <i>Journal of Cell Science</i> , 2016 , 129, 444-56	5.3	77
21	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	3.7	10
20	Pre-assembled Nuclear Pores Insert into the Nuclear Envelope during Early Development. <i>Cell</i> , 2016 , 166, 664-678	56.2	67
19	The caveolin-cavin system plays a conserved and critical role in mechanoprotection of skeletal muscle. <i>Journal of Cell Biology</i> , 2015 , 210, 833-49	7.3	94
18	Visualization of the heterogeneous membrane distribution of sphingomyelin associated with cytokinesis, cell polarity, and sphingolipidosis. <i>FASEB Journal</i> , 2015 , 29, 477-93	0.9	61
17	AMPK activation promotes lipid droplet dispersion on deetyrosinated microtubules to increase mitochondrial fatty acid oxidation. <i>Nature Communications</i> , 2015 , 6, 7176	17.4	154
16	Luminal signalling links cell communication to tissue architecture during organogenesis. <i>Nature</i> , 2014 , 515, 120-4	50.4	98
15	Correlating intravital multi-photon microscopy to 3D electron microscopy of invading tumor cells using anatomical reference points. <i>PLoS ONE</i> , 2014 , 9, e114448	3.7	39
14	Endocytic crosstalk: cavins, caveolins, and caveolae regulate clathrin-independent endocytosis. <i>PLoS Biology</i> , 2014 , 12, e1001832	9.7	99
13	Acyl-CoA synthetase 3 promotes lipid droplet biogenesis in ER microdomains. <i>Journal of Cell Biology</i> , 2013 , 203, 985-1001	7.3	196
12	Different characteristics and nucleotide binding properties of inosine monophosphate dehydrogenase (IMPDH) isoforms. <i>PLoS ONE</i> , 2012 , 7, e51096	3.7	50
11	Comparative retinal anatomy in four species of elasmobranch. <i>Journal of Morphology</i> , 2012 , 273, 423-40	1.6	30
10	EHD2 regulates caveolar dynamics via ATP-driven targeting and oligomerization. <i>Molecular Biology of the Cell</i> , 2012 , 23, 1316-29	3.5	133
9	Postlipolytic insulin-dependent remodeling of micro lipid droplets in adipocytes. <i>Molecular Biology of the Cell</i> , 2012 , 23, 1826-37	3.5	54

8	Role of AP1 and Gadkin in the traffic of secretory endo-lysosomes. <i>Molecular Biology of the Cell</i> , 2011 , 22, 2068-82	3-5	40
7	High-resolution mapping reveals topologically distinct cellular pools of phosphatidylserine. <i>Journal of Cell Biology</i> , 2011 , 194, 257-75	7-3	214
6	Modern approaches for ultrastructural analysis of the zebrafish embryo. <i>Methods in Cell Biology</i> , 2010 , 96, 425-42	1-8	21
5	A single method for cryofixation and correlative light, electron microscopy and tomography of zebrafish embryos. <i>Traffic</i> , 2009 , 10, 131-6	5-7	116
4	Dynamics of ASC speck formation during skin inflammatory responses in vivo		2
3	In-cell quantitative structural imaging of phytoplankton using 3D electron microscopy		3
2	Profiling cellular diversity in sponges informs animal cell type and nervous system evolution		22
1	CLEMSite, a software for automated phenotypic screens using light microscopy and FIB-SEM		1