

# Caren Norden

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

3,313  
citations

279798

23  
h-index

330143

37  
g-index

58  
all docs

58  
docs citations

58  
times ranked

4367  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular mechanical forces drive endocardial cell volume decrease during zebrafish cardiac valve morphogenesis. <i>Developmental Cell</i> , 2022, 57, 598-609.e5.	7.0	18
2	Shining a light on extracellular matrix dynamics in vivo. <i>Seminars in Cell and Developmental Biology</i> , 2021, 120, 85-93.	5.0	5
3	Stochasticity and determinism in cell fate decisions. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	32
4	Asymmetric neurogenic commitment of retinal progenitors involves Notch through the endocytic pathway. <i>ELife</i> , 2020, 9, .	6.0	17
5	Cell and tissue morphology determine actin-dependent nuclear migration mechanisms in neuroepithelia. <i>Journal of Cell Biology</i> , 2019, 218, 3272-3289.	5.2	36
6	Yap/Taz-TEAD activity links mechanical cues to progenitor cell behavior during zebrafish hindbrain segmentation. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	33
7	Collective cell migration: general themes and new paradigms. <i>Current Opinion in Genetics and Development</i> , 2019, 57, 54-60.	3.3	35
8	Stochastic single cell migration leads to robust horizontal cell layer formation in the vertebrate retina. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	19
9	<i>De novo</i> genesis of retinal ganglion cells by targeted expression of <i>Klf4 in vivo</i> . <i>Development (Cambridge)</i> , 2019, 146, .	2.5	18
10	Content-aware image restoration: pushing the limits of fluorescence microscopy. <i>Nature Methods</i> , 2018, 15, 1090-1097.	19.0	758
11	Choosing the right microscope to image mitosis in zebrafish embryos: A practical guide. <i>Methods in Cell Biology</i> , 2018, 145, 107-127.	1.1	2
12	Conditional control of fluorescent protein degradation by an auxin-dependent nanobody. <i>Nature Communications</i> , 2018, 9, 3297.	12.8	85
13	A non-cell-autonomous actin redistribution enables isotropic retinal growth. <i>PLoS Biology</i> , 2018, 16, e2006018.	5.6	28
14	Pseudostratified epithelia – cell biology, diversity and roles in organ formation at a glance. <i>Journal of Cell Science</i> , 2017, 130, 1859-1863.	2.0	59
15	Phototoxicity in live fluorescence microscopy, and how to avoid it. <i>BioEssays</i> , 2017, 39, 1700003.	2.5	320
16	Neuronal Migration and Lamination in the Vertebrate Retina. <i>Frontiers in Neuroscience</i> , 2017, 11, 742.	2.8	88
17	Concerted action of neuroepithelial basal shrinkage and active epithelial migration ensures efficient optic cup morphogenesis. <i>ELife</i> , 2017, 6, .	6.0	90
18	Non-canonical features of the Golgi apparatus in bipolar epithelial neural stem cells. <i>Scientific Reports</i> , 2016, 6, 21206.	3.3	51

#	ARTICLE	IF	CITATIONS
19	Heterogeneity, Cell Biology and Tissue Mechanics of Pseudostratified Epithelia: Coordination of Cell Divisions and Growth in Tightly Packed Tissues. <i>International Review of Cell and Molecular Biology</i> , 2016, 325, 89-118.	3.2	45
20	Independent modes of ganglion cell translocation ensure correct lamination of the zebrafish retina. <i>Journal of Cell Biology</i> , 2016, 215, 259-275.	5.2	69
21	Using Light Sheet Fluorescence Microscopy to Image Zebrafish Eye Development. <i>Journal of Visualized Experiments</i> , 2016, , e53966.	0.3	40
22	Interkinetic Nuclear Migration Is Centrosome Independent and Ensures Apical Cell Division to Maintain Tissue Integrity. <i>Developmental Cell</i> , 2015, 32, 203-219.	7.0	92
23	Inhibitory neuron migration and IPL formation in the developing zebrafish retina. <i>Development (Cambridge)</i> , 2015, 142, 2665-77.	2.5	30
24	Centriole Amplification in Zebrafish Affects Proliferation and Survival but Not Differentiation of Neural Progenitor Cells. <i>Cell Reports</i> , 2015, 13, 168-182.	6.4	23
25	Mitotic Position and Morphology of Committed Precursor Cells in the Zebrafish Retina Adapt to Architectural Changes upon Tissue Maturation. <i>Cell Reports</i> , 2014, 7, 386-397.	6.4	64
26	Mechanisms controlling arrangements and movements of nuclei in pseudostratified epithelia. <i>Trends in Cell Biology</i> , 2013, 23, 141-150.	7.9	78
27	Apical migration of nuclei during G2 is a prerequisite for all nuclear motion in zebrafish neuroepithelia. <i>Development (Cambridge)</i> , 2012, 139, 2635-2635.	2.5	7
28	Slit1b-Robo3 Signaling and N-Cadherin Regulate Apical Process Retraction in Developing Retinal Ganglion Cells. <i>Journal of Neuroscience</i> , 2012, 32, 223-228.	3.6	37
29	The vertebrate retina: A model for neuronal polarization <i>in vivo</i> . <i>Developmental Neurobiology</i> , 2011, 71, 567-583.	3.0	42
30	Apical migration of nuclei during G2 is a prerequisite for all nuclear motion in zebrafish neuroepithelia. <i>Development (Cambridge)</i> , 2011, 138, 5003-5013.	2.5	117
31	A mechanism for chromosome segregation sensing by the NoCut checkpoint. <i>Nature Cell Biology</i> , 2009, 11, 477-483.	10.3	118
32	Actomyosin Is the Main Driver of Interkinetic Nuclear Migration in the Retina. <i>Cell</i> , 2009, 138, 1195-1208.	28.9	234
33	Ankyrin-Dependent and -Independent Mechanisms Orchestrate Axonal Compartmentalization of L1 Family Members Neurofascin and L1/Neuron-Glia Cell Adhesion Molecule. <i>Journal of Neuroscience</i> , 2007, 27, 590-603.	3.6	99
34	The NoCut Pathway Links Completion of Cytokinesis to Spindle Midzone Function to Prevent Chromosome Breakage. <i>Cell</i> , 2006, 125, 85-98.	28.9	267
35	Inhibition of sphingolipid synthesis affects kinetics but not fidelity of L1/NgCAM transport along direct but not transcytotic axonal pathways. <i>Molecular and Cellular Neurosciences</i> , 2006, 31, 525-538.	2.2	20
36	Division-Plane Positioning: Microtubules Strike Back. <i>Current Biology</i> , 2005, 15, R595-R597.	3.9	0

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37	Dissection of septin actin interactions using actin overexpression in <i>Saccharomyces cerevisiae</i> . <i>Molecular Microbiology</i> , 2004, 53, 469-483.	2.5	22
38	Uncovering multiple axonal targeting pathways in hippocampal neurons. <i>Journal of Cell Biology</i> , 2003, 162, 1317-1328.	5.2	155
39	Amoeboid-like migration ensures correct horizontal cell layer formation in the developing vertebrate retina. <i>ELife</i> , 0, 11, .	6.0	9
40	Vision-related convergent gene losses reveal SERPINE3's unknown role in the eye. <i>ELife</i> , 0, 11, .	6.0	9