Cody J Smith

List of Publications by Year
in descending order

27 papers	1,166 citations	623734 14 h-index	610901 24 g-index
32 all docs	32 docs citations	32 times ranked	1382 citing authors

#	Article	IF	Citations
1	Genetically targeted magnetic control of the nervous system. Nature Neuroscience, 2016, 19, 756-761.	14.8	211
2	Time-lapse imaging and cell-specific expression profiling reveal dynamic branching and molecular determinants of a multi-dendritic nociceptor in C. elegans. Developmental Biology, 2010, 345, 18-33.	2.0	180
3	C. elegans multi-dendritic sensory neurons: Morphology and function. Molecular and Cellular Neurosciences, 2011, 46, 308-317.	2.2	147
4	Sensory Neuron Fates Are Distinguished by a Transcriptional Switch that Regulates Dendrite Branch Stabilization. Neuron, 2013, 79, 266-280.	8.1	104
5	Netrin (UNC-6) mediates dendritic self-avoidance. Nature Neuroscience, 2012, 15, 731-737.	14.8	91
6	Gfapâ€positive radial glial cells are an essential progenitor population for laterâ€born neurons and glia in the zebrafish spinal cord. Glia, 2016, 64, 1170-1189.	4.9	70
7	Contact-Mediated Inhibition Between Oligodendrocyte Progenitor Cells and Motor Exit Point Glia Establishes the Spinal Cord Transition Zone. PLoS Biology, 2014, 12, e1001961.	5.6	58
8	Microglia exit the CNS in spinal root avulsion. PLoS Biology, 2019, 17, e3000159.	5.6	33
9	Real-time image denoising of mixed Poissonâ€“Gaussian noise in fluorescence microscopy images using ImageJ. Optica, 2022, 9, 335.	9.3	27
10	Radial glia inhibit peripheral glial infiltration into the spinal cord at motor exit point transition zones. Glia, 2016, 64, 1138-1153.	4.9	26
11	Pioneer axons employ Cajalâ€™s battering ram to enter the spinal cord. Nature Communications, 2019, 10, 562.	12.8	25
12	Automatic segmentation of intravital fluorescence microscopy images by K-means clustering of FLIM phasors. Optics Letters, 2019, 44, 3928.	3.3	24
13	Actin assembly and non-muscle myosin activity drive dendrite retraction in an UNC-6/Netrin dependent self-avoidance response. PLoS Genetics, 2019, 15, e1008228.	3.5	23
14	Ensheathing cells utilize dynamic tiling of neuronal somas in development and injury as early as neuronal differentiation. Neural Development, 2018, 13, 19.	2.4	21
15	Instant FLIM enables 4D in vivo lifetime imaging of intact and injured zebrafish and mouse brains. Optica, 2021, 8, 885.	9.3	20
16	TNFa/TNFR2 signaling is required for glial ensheathment at the dorsal root entry zone. PLoS Genetics, 2017, 13, e1006712.	3.5	18
17	Synaptic-like Vesicles Facilitate Pioneer Axon Invasion. Current Biology, 2019, 29, 2652-2664.e4.	3.9	16
18	Identification of astroglia-like cardiac nexus glia that are critical regulators of cardiac development and function. PLoS Biology, 2021, 19, e3001444.	5.6	15

#	Article	IF	Citations
19	Functional Regeneration of the Sensory Root via Axonal Invasion. Cell Reports, 2020, 30, 9-17.e3.	6.4	12
20	Generating intravital super-resolution movies with conventional microscopy reveals actin dynamics that construct pioneer axons. Development (Cambridge), 2019, 146, .	2.5	11
21	The embryonic zebrafish brain is seeded by a lymphatic-dependent population of mrc1+ microglia precursors. Nature Neuroscience, 2022, 25, 849-864.	14.8	10
22	Single-cell Photoconversion in Living Intact Zebrafish. Journal of Visualized Experiments, 2018, , .	0.3	7
23	Pioneer Axons Utilize a Dcc Signaling-Mediated Invasion Brake to Precisely Complete Their Pathfinding Odyssey. Journal of Neuroscience, 2021, 41, 6617-6636.	3.6	6
24	Tetris in the Nervous System: What Principles of Neuronal Tiling Can Tell Us About How Glia Play the Game. Frontiers in Cellular Neuroscience, 2021, 15, 734938.	3.7	4
25	Three-dimensional deep tissue multiphoton frequency-domain fluorescence lifetime imaging microscopy via phase multiplexing and adaptive optics. , 2019, , .		3
26	Low dosage 3D volume fluorescence microscopy imaging using compressive sensing. , 2022, , .		1
27	A Subset of Oligodendrocyte Lineage Cells Interact With the Developing Dorsal Root Entry Zone During Its Genesis. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	1