

Cody J Smith

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7100036/publications.pdf>

Version: 2024-02-01

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	Real-time image denoising of mixed Poisson-Gaussian noise in fluorescence microscopy images using ImageJ. <i>Optica</i> , 2022, 9, 335.	9.3	27
2	Low dosage 3D volume fluorescence microscopy imaging using compressive sensing. , 2022, , .		1
3	The embryonic zebrafish brain is seeded by a lymphatic-dependent population of mrc1+ microglia precursors. <i>Nature Neuroscience</i> , 2022, 25, 849-864.	14.8	10
4	Pioneer Axons Utilize a <i>Dcc</i> Signaling-Mediated Invasion Brake to Precisely Complete Their Pathfinding Odyssey. <i>Journal of Neuroscience</i> , 2021, 41, 6617-6636.	3.6	6
5	Instant FLIM enables 4D in vivo lifetime imaging of intact and injured zebrafish and mouse brains. <i>Optica</i> , 2021, 8, 885.	9.3	20
6	Tetris in the Nervous System: What Principles of Neuronal Tiling Can Tell Us About How Glia Play the Game. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 734938.	3.7	4
7	Identification of astroglia-like cardiac nexus glia that are critical regulators of cardiac development and function. <i>PLoS Biology</i> , 2021, 19, e3001444.	5.6	15
8	Functional Regeneration of the Sensory Root via Axonal Invasion. <i>Cell Reports</i> , 2020, 30, 9-17.e3.	6.4	12
9	Synaptic-like Vesicles Facilitate Pioneer Axon Invasion. <i>Current Biology</i> , 2019, 29, 2652-2664.e4.	3.9	16
10	Actin assembly and non-muscle myosin activity drive dendrite retraction in an UNC-6/Netrin dependent self-avoidance response. <i>PLoS Genetics</i> , 2019, 15, e1008228.	3.5	23
11	Microglia exit the CNS in spinal root avulsion. <i>PLoS Biology</i> , 2019, 17, e3000159.	5.6	33
12	Generating intravital super-resolution movies with conventional microscopy reveals actin dynamics that construct pioneer axons. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	11
13	Pioneer axons employ Cajal's battering ram to enter the spinal cord. <i>Nature Communications</i> , 2019, 10, 562.	12.8	25
14	Three-dimensional deep tissue multiphoton frequency-domain fluorescence lifetime imaging microscopy via phase multiplexing and adaptive optics. , 2019, , .		3
15	Automatic segmentation of intravital fluorescence microscopy images by K-means clustering of FLIM phasors. <i>Optics Letters</i> , 2019, 44, 3928.	3.3	24
16	Single-cell Photoconversion in Living Intact Zebrafish. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	7
17	Ensheathing cells utilize dynamic tiling of neuronal somas in development and injury as early as neuronal differentiation. <i>Neural Development</i> , 2018, 13, 19.	2.4	21
18	TNF α /TNFR2 signaling is required for glial ensheathment at the dorsal root entry zone. <i>PLoS Genetics</i> , 2017, 13, e1006712.	3.5	18

#	ARTICLE	IF	CITATIONS
19	Gfap ⁺ positive radial glial cells are an essential progenitor population for later-born neurons and glia in the zebrafish spinal cord. <i>Glia</i> , 2016, 64, 1170-1189.	4.9	70
20	Radial glia inhibit peripheral glial infiltration into the spinal cord at motor exit point transition zones. <i>Glia</i> , 2016, 64, 1138-1153.	4.9	26
21	Genetically targeted magnetic control of the nervous system. <i>Nature Neuroscience</i> , 2016, 19, 756-761.	14.8	211
22	Contact-Mediated Inhibition Between Oligodendrocyte Progenitor Cells and Motor Exit Point Glia Establishes the Spinal Cord Transition Zone. <i>PLoS Biology</i> , 2014, 12, e1001961.	5.6	58
23	Sensory Neuron Fates Are Distinguished by a Transcriptional Switch that Regulates Dendrite Branch Stabilization. <i>Neuron</i> , 2013, 79, 266-280.	8.1	104
24	Netrin (UNC-6) mediates dendritic self-avoidance. <i>Nature Neuroscience</i> , 2012, 15, 731-737.	14.8	91
25	<i>C. elegans</i> multi-dendritic sensory neurons: Morphology and function. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 308-317.	2.2	147
26	Time-lapse imaging and cell-specific expression profiling reveal dynamic branching and molecular determinants of a multi-dendritic nociceptor in <i>C. elegans</i> . <i>Developmental Biology</i> , 2010, 345, 18-33.	2.0	180
27	A Subset of Oligodendrocyte Lineage Cells Interact With the Developing Dorsal Root Entry Zone During Its Genesis. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	3.7	1