

Christian W Stigloher

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,990
citations

331670

21
h-index

276875

41
g-index

61
all docs

61
docs citations

61
times ranked

3210
citing authors

#	ARTICLE	IF	CITATIONS
1	Stalk cell polar ion transport provide for bladder-based salinity tolerance in <i>Chenopodium quinoa</i> . <i>New Phytologist</i> , 2022, 235, 1822-1835.	7.3	8
2	The digestive systems of carnivorous plants. <i>Plant Physiology</i> , 2022, 190, 44-59.	4.8	20
3	Active APPL1 sequestration by Plasmodium favors liver-stage development. <i>Cell Reports</i> , 2022, 39, 110886.	6.4	4
4	Impaired microtubule dynamics contribute to microthrombocytopenia in RhoB-deficient mice. <i>Blood Advances</i> , 2022, 6, 5184-5197.	5.2	2
5	Click-correlative light and electron microscopy (click-AT-CLEM) for imaging and tracking azido-functionalized sphingolipids in bacteria. <i>Scientific Reports</i> , 2021, 11, 4300.	3.3	9
6	Lifestyle of sponge symbiont phages by host prediction and correlative microscopy. <i>ISME Journal</i> , 2021, 15, 2001-2011.	9.8	19
7	Parallel monitoring of RNA abundance, localization and compactness with correlative single molecule FISH on LR White embedded samples. <i>Nucleic Acids Research</i> , 2021, 49, e14-e14.	14.5	6
8	Structural Analysis of the <i>Caenorhabditis elegans</i> Dauer Larval Anterior Sensilla by Focused Ion Beam-Scanning Electron Microscopy. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 732520.	1.7	12
9	Primary and secondary motoneurons use different calcium channel types to control escape and swimming behaviors in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26429-26437.	7.1	9
10	Overexpression of an ALS-associated FUS mutation in <i>C. elegans</i> disrupts NMJ morphology and leads to defective neuromuscular transmission. <i>Biology Open</i> , 2020, 9, .	1.2	20
11	An improved growth medium for enhanced inoculum production of the plant growth-promoting fungus <i>Serendipita indica</i> . <i>Plant Methods</i> , 2020, 16, 39.	4.3	11
12	Advancing Array Tomography to Study the Fine Ultrastructure of Identified Neurons in Zebrafish (<i>Danio rerio</i>). <i>Neuromethods</i> , 2020, , 59-78.	0.3	1
13	Electron tomography of mouse LINC complexes at meiotic telomere attachment sites with and without microtubules. <i>Communications Biology</i> , 2019, 2, 376.	4.4	16
14	Complexin cooperates with Bruchpilot to tether synaptic vesicles to the active zone cytomatrix. <i>Journal of Cell Biology</i> , 2019, 218, 1011-1026.	5.2	22
15	Quantitative basis of meiotic chromosome synapsis analyzed by electron tomography. <i>Scientific Reports</i> , 2019, 9, 16102.	3.3	12
16	Transient and Partial Nuclear Lamina Disruption Promotes Chromosome Movement in Early Meiotic Prophase. <i>Developmental Cell</i> , 2018, 45, 212-225.e7.	7.0	40
17	Understanding the Molecular Basis of Salt Sequestration in Epidermal Bladder Cells of <i>Chenopodium quinoa</i> . <i>Current Biology</i> , 2018, 28, 3075-3085.e7.	3.9	98
18	Automated classification of synaptic vesicles in electron tomograms of <i>C. elegans</i> using machine learning. <i>PLoS ONE</i> , 2018, 13, e0205348.	2.5	8

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19	The serine/threonine kinase Stk and the phosphatase Stp regulate cell wall synthesis in <i>Staphylococcus aureus</i> . <i>Scientific Reports</i> , 2018, 8, 13693.	3.3	33
20	EM Tomography of Meiotic LINC Complexes. <i>Methods in Molecular Biology</i> , 2018, 1840, 3-15.	0.9	4
21	CRELD1 is an evolutionarily-conserved maturational enhancer of ionotropic acetylcholine receptors. <i>ELife</i> , 2018, 7, .	6.0	18
22	Minimal resin embedding of multicellular specimens for targeted FIB-SEM imaging. <i>Methods in Cell Biology</i> , 2017, 140, 69-83.	1.1	32
23	sept8a and sept8b mRNA expression in the developing and adult zebrafish. <i>Gene Expression Patterns</i> , 2017, 25-26, 8-21.	0.8	4
24	3D subcellular localization with superresolution array tomography on ultrathin sections of various species. <i>Methods in Cell Biology</i> , 2017, 140, 21-47.	1.1	27
25	Membrane Microdomain Disassembly Inhibits MRSA Antibiotic Resistance. <i>Cell</i> , 2017, 171, 1354-1367.e20.	28.9	182
26	Expression of sept3, sept5a and sept5b in the Developing and Adult Nervous System of the Zebrafish (<i>Danio rerio</i>). <i>Frontiers in Neuroanatomy</i> , 2017, 11, 6.	1.7	3
27	Fiji Macro 3D ART VeSElect: 3D Automated Reconstruction Tool for Vesicle Structures of Electron Tomograms. <i>PLoS Computational Biology</i> , 2017, 13, e1005317.	3.2	13
28	Filling the gap: adding super-resolution to array tomography for correlated ultrastructural and molecular identification of electrical synapses at the <i>C. elegans</i> connectome. <i>Neurophotonics</i> , 2016, 3, 041802.	3.3	41
29	Distribution of the obligate endosymbiont <i>Blochmannia floridanus</i> and expression analysis of putative immune genes in ovaries of the carpenter ant <i>Camponotus floridanus</i> . <i>Arthropod Structure and Development</i> , 2016, 45, 475-487.	1.4	24
30	Shedding light on cell compartmentation in the candidate phylum Poribacteria by high resolution visualisation and transcriptional profiling. <i>Scientific Reports</i> , 2016, 6, 35860.	3.3	31
31	Presynaptic architecture of the larval zebrafish neuromuscular junction. <i>Journal of Comparative Neurology</i> , 2015, 523, 1984-1997.	1.6	27
32	Autophagic digestion of <i>Leishmania major</i> by host macrophages is associated with differential expression of BNIP3, CTSE, and the miRNAs miR-101c, miR-129, and miR-210. <i>Parasites and Vectors</i> , 2015, 8, 404.	2.5	92
33	Intrinsically Disordered and Pliable Starmaker-Like Protein from Medaka (<i>Oryzias latipes</i>) Controls the Formation of Calcium Carbonate Crystals. <i>PLoS ONE</i> , 2014, 9, e114308.	2.5	36
34	In vivo single-molecule imaging identifies altered dynamics of calcium channels in dystrophin-mutant <i>C. elegans</i> . <i>Nature Communications</i> , 2014, 5, 4974.	12.8	45
35	<i>C. elegans</i> Punctin specifies cholinergic versus GABAergic identity of postsynaptic domains. <i>Nature</i> , 2014, 511, 466-470.	27.8	55
36	Attenuation of insulin signalling contributes to FSN-1-mediated regulation of synapse development. <i>EMBO Journal</i> , 2013, 32, 1745-1760.	7.8	24

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37	Positive modulation of a Cys-loop acetylcholine receptor by an auxiliary transmembrane subunit. <i>Nature Neuroscience</i> , 2012, 15, 1374-1381.	14.8	56
38	The Enhancer of split transcription factor Her8a is a novel dimerisation partner for Her3 that controls anterior hindbrain neurogenesis in zebrafish. <i>BMC Developmental Biology</i> , 2011, 11, 27.	2.1	11
39	Expression of <i>Hairy/enhancer of split</i> genes in neural progenitors and neurogenesis domains of the adult zebrafish brain. <i>Journal of Comparative Neurology</i> , 2011, 519, 1748-1769.	1.6	59
40	The Presynaptic Dense Projection of the <i>Caenorhabditis elegans</i> Cholinergic Neuromuscular Junction Localizes Synaptic Vesicles at the Active Zone through SYD-2/Liprin and UNC-10/RIM-Dependent Interactions. <i>Journal of Neuroscience</i> , 2011, 31, 4388-4396.	3.6	103
41	Axonal projections originating from raphe serotonergic neurons in the developing and adult zebrafish, <i>Danio rerio</i> , using transgenics to visualize raphe-specific <i>pet1</i> expression. <i>Journal of Comparative Neurology</i> , 2009, 512, 158-182.	1.6	134
42	Pleiotropic effects in <i>Eya3</i> knockout mice. <i>BMC Developmental Biology</i> , 2008, 8, 118.	2.1	35
43	Fgf signaling in the zebrafish adult brain: Association of Fgf activity with ventricular zones but not cell proliferation. <i>Journal of Comparative Neurology</i> , 2008, 510, 422-439.	1.6	41
44	Enhancer detection and developmental expression of zebrafish <i>sprouty1</i> , a member of the <i>fgf8</i> synexpression group. <i>Developmental Dynamics</i> , 2008, 237, 2594-2603.	1.8	11
45	MicroRNA-9 directs late organizer activity of the midbrain-hindbrain boundary. <i>Nature Neuroscience</i> , 2008, 11, 641-648.	14.8	288
46	Identification of neural progenitor pools by E(Spl) factors in the embryonic and adult brain. <i>Brain Research Bulletin</i> , 2008, 75, 266-273.	3.0	42
47	<i>Gsk3^{Δ2}/PKA</i> and <i>Cli1</i> regulate the maintenance of neural progenitors at the midbrain-hindbrain boundary in concert with E(Spl) factor activity. <i>Development (Cambridge)</i> , 2008, 135, 3137-3148.	2.5	11
48	The serotonergic phenotype is acquired by converging genetic mechanisms within the zebrafish central nervous system. <i>Developmental Dynamics</i> , 2007, 236, 1072-1084.	1.8	85
49	Segregation of telencephalic and eye-field identities inside the zebrafish forebrain territory is controlled by Rx3. <i>Development (Cambridge)</i> , 2006, 133, 2925-2935.	2.5	95
50	DeepCLEM: automated registration for correlative light and electron microscopy using deep learning. <i>F1000Research</i> , 0, 9, 1275.	1.6	4