

William C Lemon

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,592
citations

430754

18
h-index

526166

27
g-index

34
all docs

34
docs citations

34
times ranked

3815
citing authors

#	ARTICLE	IF	CITATIONS
1	A general method to fine-tune fluorophores for live-cell and in vivo imaging. <i>Nature Methods</i> , 2017, 14, 987-994.	9.0	502
2	Fast, accurate reconstruction of cell lineages from large-scale fluorescence microscopy data. <i>Nature Methods</i> , 2014, 11, 951-958.	9.0	253
3	Electrical Hyperexcitation of Lateral Ventral Pacemaker Neurons Desynchronizes Downstream Circadian Oscillators in the Fly Circadian Circuit and Induces Multiple Behavioral Periods. <i>Journal of Neuroscience</i> , 2006, 26, 479-489.	1.7	251
4	Adaptive light-sheet microscopy for long-term, high-resolution imaging in living organisms. <i>Nature Biotechnology</i> , 2016, 34, 1267-1278.	9.4	211
5	Whole-animal functional and developmental imaging with isotropic spatial resolution. <i>Nature Methods</i> , 2015, 12, 1171-1178.	9.0	203
6	Whole-central nervous system functional imaging in larval <i>Drosophila</i> . <i>Nature Communications</i> , 2015, 6, 7924.	5.8	179
7	Functional Dissection of a Neuronal Network Required for Cuticle Tanning and Wing Expansion in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 2006, 26, 573-584.	1.7	168
8	Real-Time Three-Dimensional Cell Segmentation in Large-Scale Microscopy Data of Developing Embryos. <i>Developmental Cell</i> , 2016, 36, 225-240.	3.1	156
9	Fitness consequences of foraging behaviour in the zebra finch. <i>Nature</i> , 1991, 352, 153-155.	13.7	122
10	Efficient processing and analysis of large-scale light-sheet microscopy data. <i>Nature Protocols</i> , 2015, 10, 1679-1696.	5.5	109
11	The Energetics of Lifetime Reproductive Success in the Zebra Finch <i>Taeniopygia guttata</i> . <i>Physiological Zoology</i> , 1993, 66, 946-963.	1.5	50
12	Design and fabrication of a high-density metal microelectrode array for neural recording. <i>Sensors and Actuators A: Physical</i> , 2002, 96, 78-85.	2.0	48
13	The effects of feeding rate on reproductive success in the zebra finch, <i>Taeniopygia guttata</i> . <i>Animal Behaviour</i> , 1992, 44, 851-857.	0.8	45
14	Live-cell imaging in the era of too many microscopes. <i>Current Opinion in Cell Biology</i> , 2020, 66, 34-42.	2.6	43
15	Regulation of branching dynamics by axon-intrinsic asymmetries in Tyrosine Kinase Receptor signaling. <i>ELife</i> , 2014, 3, e01699.	2.8	36
16	Metabolic Regulation of Developmental Cell Cycles and Zygotic Transcription. <i>Current Biology</i> , 2019, 29, 1193-1198.e5.	1.8	35
17	A practical guide to adaptive light-sheet microscopy. <i>Nature Protocols</i> , 2018, 13, 2462-2500.	5.5	34
18	InÂvivo glucose imaging in multiple model organisms with an engineered single-wavelength sensor. <i>Cell Reports</i> , 2021, 35, 109284.	2.9	24

#	ARTICLE	IF	CITATIONS
19	Heritability of selectively advantageous foraging behaviour in a small passerine. <i>Evolutionary Ecology</i> , 1993, 7, 421-428.	0.5	21
20	Rate code input produces temporal code output from cockroach antennal lobes. <i>BioSystems</i> , 2000, 58, 151-158.	0.9	17
21	A Preferred Curvature-Based Continuum Mechanics Framework for Modeling Embryogenesis. <i>Biophysical Journal</i> , 2018, 114, 267-277.	0.2	13
22	Communication in the weakly electric fish <i>Sternopygus macrurus</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1992, 170, 349-356.	0.7	12
23	Multisegmental motor activity in the segmentally restricted gin trap behavior in <i>Manduca sexta</i> pupae. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1997, 180, 611-619.	0.7	12
24	Live imaging of nervous system development and function using light-sheet microscopy. <i>Molecular Reproduction and Development</i> , 2015, 82, 605-618.	1.0	11
25	Segmentally distributed metamorphic changes in neural circuits controlling abdominal bending in the hawkmoth <i>Manduca sexta</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1997, 180, 597-610.	0.7	7
26	Neural Coding of General Odors in Insects. <i>Annals of the Entomological Society of America</i> , 1999, 92, 861-872.	1.3	7
27	Light Sheet-Based Imaging and Analysis of Early Embryogenesis in the Fruit Fly. <i>Methods in Molecular Biology</i> , 2015, 1189, 79-97.	0.4	7
28	<i>In Vivo</i> Glucose Imaging in Multiple Model Organisms with an Engineered Single-Wavelength Sensor. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
29	Whole-animal imaging with high spatio-temporal resolution. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
30	Discriminating Gourmets, Lovers, and Enophiles? Neural Nets Tell All About Locusts, Toads, and Roaches. <i>Perspectives in Neural Computing</i> , 2000, , 37-44.	0.1	0