

# William C Lemon

## List of Publications by Citations

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32  
papers

1,856  
citations

17  
h-index

34  
g-index

34  
ext. papers

2,295  
ext. citations

10.6  
avg, IF

4.67  
L-index

#	Paper	IF	Citations
32	A general method to fine-tune fluorophores for live-cell and in vivo imaging. <i>Nature Methods</i> , <b>2017</b> , 14, 987-994	21.6	289
31	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> , <b>2006</b> , 26, 479-89	6.6	208
30	Fast, accurate reconstruction of cell lineages from large-scale fluorescence microscopy data. <i>Nature Methods</i> , <b>2014</b> , 11, 951-8	21.6	200
29	Whole-animal functional and developmental imaging with isotropic spatial resolution. <i>Nature Methods</i> , <b>2015</b> , 12, 1171-8	21.6	148
28	Functional dissection of a neuronal network required for cuticle tanning and wing expansion in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 573-84	6.6	144
27	Adaptive light-sheet microscopy for long-term, high-resolution imaging in living organisms. <i>Nature Biotechnology</i> , <b>2016</b> , 34, 1267-1278	44.5	142
26	Whole-central nervous system functional imaging in larval <i>Drosophila</i> . <i>Nature Communications</i> , <b>2015</b> , 6, 7924	17.4	126
25	Real-Time Three-Dimensional Cell Segmentation in Large-Scale Microscopy Data of Developing Embryos. <i>Developmental Cell</i> , <b>2016</b> , 36, 225-40	10.2	115
24	Fitness consequences of foraging behaviour in the zebra finch. <i>Nature</i> , <b>1991</b> , 352, 153-155	50.4	99
23	Efficient processing and analysis of large-scale light-sheet microscopy data. <i>Nature Protocols</i> , <b>2015</b> , 10, 1679-96	18.8	85
22	Design and fabrication of a high-density metal microelectrode array for neural recording. <i>Sensors and Actuators A: Physical</i> , <b>2002</b> , 96, 78-85	3.9	42
21	The Energetics of Lifetime Reproductive Success in the Zebra Finch <i>Taeniopygia guttata</i> . <i>Physiological Zoology</i> , <b>1993</b> , 66, 946-963		39
20	The effects of feeding rate on reproductive success in the zebra finch, <i>Taeniopygia guttata</i> . <i>Animal Behaviour</i> , <b>1992</b> , 44, 851-857	2.8	33
19	Regulation of branching dynamics by axon-intrinsic asymmetries in Tyrosine Kinase Receptor signaling. <i>ELife</i> , <b>2014</b> , 3, e01699	8.9	25
18	A practical guide to adaptive light-sheet microscopy. <i>Nature Protocols</i> , <b>2018</b> , 13, 2462-2500	18.8	23
17	Metabolic Regulation of Developmental Cell Cycles and Zygotic Transcription. <i>Current Biology</i> , <b>2019</b> , 29, 1193-1198.e5	6.3	22
16	Live-cell imaging in the era of too many microscopes. <i>Current Opinion in Cell Biology</i> , <b>2020</b> , 66, 34-42	9	17

15	Heritability of selectively advantageous foraging behaviour in a small passerine. <i>Evolutionary Ecology</i> , <b>1993</b> , 7, 421-428	1.8	17
14	Rate code input produces temporal code output from cockroach antennal lobes. <i>BioSystems</i> , <b>2000</b> , 58, 151-8	1.9	14
13	Live imaging of nervous system development and function using light-sheet microscopy. <i>Molecular Reproduction and Development</i> , <b>2015</b> , 82, 605-18	2.6	10
12	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> , <b>1997</b> , 180, 611-9	2.3	10
11	Communication in the weakly electric fish <i>Sternopygus macrurus</i> . II. Behavioral test of conspecific EOD detection ability. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , <b>1992</b> , 170, 349-56	2.3	9
10	In vivo glucose imaging in multiple model organisms with an engineered single-wavelength sensor. <i>Cell Reports</i> , <b>2021</b> , 35, 109284	10.6	7
9	A Preferred Curvature-Based Continuum Mechanics Framework for Modeling Embryogenesis. <i>Biophysical Journal</i> , <b>2018</b> , 114, 267-277	2.9	6
8	Neural Coding of General Odors in Insects. <i>Annals of the Entomological Society of America</i> , <b>1999</b> , 92, 861-872		6
7	Segmentally distributed metamorphic changes in neural circuits controlling abdominal bending in the hawk moth <i>Manduca sexta</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , <b>1997</b> , 180, 597-610	2.3	5
6	Light sheet-based imaging and analysis of early embryogenesis in the fruit fly. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1189, 79-97	1.4	5
5	In vivoglucose imaging in multiple model organisms with an engineered single-wavelength sensor		5
4	In Vivo Glucose Imaging in Multiple Model Organisms with an Engineered Single-Wavelength Sensor. <i>SSRN Electronic Journal</i> ,	1	2
3	Automated Reconstruction of Whole-Embryo Cell Lineages by Learning from Sparse Annotations		2
2	A general method to fine-tune fluorophores for live-cell and in vivo imaging		1
1	Discriminating Gourmets, Lovers, and Enophiles? Neural Nets Tell All About Locusts, Toads, and Roaches. <i>Perspectives in Neural Computing</i> , <b>2000</b> , 37-44		