

William C Lemon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | In vivo glucose imaging in multiple model organisms with an engineered single-wavelength sensor. <i>Cell Reports</i> , 2021 , 35, 109284 | 10.6 | 7 |
| 31 | Live-cell imaging in the era of too many microscopes. <i>Current Opinion in Cell Biology</i> , 2020 , 66, 34-42 | 9 | 17 |
| 30 | Metabolic Regulation of Developmental Cell Cycles and Zygotic Transcription. <i>Current Biology</i> , 2019 , 29, 1193-1198.e5 | 6.3 | 22 |
| 29 | A Preferred Curvature-Based Continuum Mechanics Framework for Modeling Embryogenesis. <i>Biophysical Journal</i> , 2018 , 114, 267-277 | 2.9 | 6 |
| 28 | A practical guide to adaptive light-sheet microscopy. <i>Nature Protocols</i> , 2018 , 13, 2462-2500 | 18.8 | 23 |
| 27 | A general method to fine-tune fluorophores for live-cell and in vivo imaging. <i>Nature Methods</i> , 2017 , 14, 987-994 | 21.6 | 289 |
| 26 | Adaptive light-sheet microscopy for long-term, high-resolution imaging in living organisms. <i>Nature Biotechnology</i> , 2016 , 34, 1267-1278 | 44.5 | 142 |
| 25 | Real-Time Three-Dimensional Cell Segmentation in Large-Scale Microscopy Data of Developing Embryos. <i>Developmental Cell</i> , 2016 , 36, 225-40 | 10.2 | 115 |
| 24 | Efficient processing and analysis of large-scale light-sheet microscopy data. <i>Nature Protocols</i> , 2015 , 10, 1679-96 | 18.8 | 85 |
| 23 | Whole-animal functional and developmental imaging with isotropic spatial resolution. <i>Nature Methods</i> , 2015 , 12, 1171-8 | 21.6 | 148 |
| 22 | Whole-central nervous system functional imaging in larval Drosophila. <i>Nature Communications</i> , 2015 , 6, 7924 | 17.4 | 126 |
| 21 | Live imaging of nervous system development and function using light-sheet microscopy. <i>Molecular Reproduction and Development</i> , 2015 , 82, 605-18 | 2.6 | 10 |
| 20 | Light sheet-based imaging and analysis of early embryogenesis in the fruit fly. <i>Methods in Molecular Biology</i> , 2015 , 1189, 79-97 | 1.4 | 5 |
| 19 | Fast, accurate reconstruction of cell lineages from large-scale fluorescence microscopy data. <i>Nature Methods</i> , 2014 , 11, 951-8 | 21.6 | 200 |
| 18 | Regulation of branching dynamics by axon-intrinsic asymmetries in Tyrosine Kinase Receptor signaling. <i>ELife</i> , 2014 , 3, e01699 | 8.9 | 25 |
| 17 | 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, 479-89 | 6.6 | 208 |
| 16 | Functional dissection of a neuronal network required for cuticle tanning and wing expansion in Drosophila. <i>Journal of Neuroscience</i> , 2006 , 26, 573-84 | 6.6 | 144 |

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|----|---|------|----|
| 15 | Design and fabrication of a high-density metal microelectrode array for neural recording. <i>Sensors and Actuators A: Physical</i> , 2002 , 96, 78-85 | 3.9 | 42 |
| 14 | Rate code input produces temporal code output from cockroach antennal lobes. <i>BioSystems</i> , 2000 , 58, 151-8 | 1.9 | 14 |
| 13 | Discriminating Gourmets, Lovers, and Enophiles? Neural Nets Tell All About Locusts, Toads, and Roaches. <i>Perspectives in Neural Computing</i> , 2000 , 37-44 | | |
| 12 | Neural Coding of General Odors in Insects. <i>Annals of the Entomological Society of America</i> , 1999 , 92, 861-872 | | 6 |
| 11 | 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> , 1997 , 180, 597-610 | 2.3 | 5 |
| 10 | 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, 611-9 | 2.3 | 10 |
| 9 | Heritability of selectively advantageous foraging behaviour in a small passerine. <i>Evolutionary Ecology</i> , 1993 , 7, 421-428 | 1.8 | 17 |
| 8 | The Energetics of Lifetime Reproductive Success in the Zebra Finch <i>Taeniopygia guttata</i> . <i>Physiological Zoology</i> , 1993 , 66, 946-963 | | 39 |
| 7 | The effects of feeding rate on reproductive success in the zebra finch, <i>Taeniopygia guttata</i> . <i>Animal Behaviour</i> , 1992 , 44, 851-857 | 2.8 | 33 |
| 6 | 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> , 1992 , 170, 349-56 | 2.3 | 9 |
| 5 | Fitness consequences of foraging behaviour in the zebra finch. <i>Nature</i> , 1991 , 352, 153-155 | 50.4 | 99 |
| 4 | In Vivo Glucose Imaging in Multiple Model Organisms with an Engineered Single-Wavelength Sensor. <i>SSRN Electronic Journal</i> , | 1 | 2 |
| 3 | In vivoglucose imaging in multiple model organisms with an engineered single-wavelength sensor | | 5 |
| 2 | A general method to fine-tune fluorophores for live-cell and in vivo imaging | | 1 |
| 1 | Automated Reconstruction of Whole-Embryo Cell Lineages by Learning from Sparse Annotations | | 2 |