

Michael B Orger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7067810/publications.pdf>

Version: 2024-02-01

28
papers

12,308
citations

304602

22
h-index

526166

27
g-index

34
all docs

34
docs citations

34
times ranked

13873
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasensitive fluorescent proteins for imaging neuronal activity. <i>Nature</i> , 2013, 499, 295-300.	13.7	5,490
2	Whole-brain functional imaging at cellular resolution using light-sheet microscopy. <i>Nature Methods</i> , 2013, 10, 413-420.	9.0	1,194
3	Optimization of a GCaMP Calcium Indicator for Neural Activity Imaging. <i>Journal of Neuroscience</i> , 2012, 32, 13819-13840.	1.7	1,099
4	An optimized fluorescent probe for visualizing glutamate neurotransmission. <i>Nature Methods</i> , 2013, 10, 162-170.	9.0	827
5	Genetically encoded calcium indicators for multi-color neural activity imaging and combination with optogenetics. <i>Frontiers in Molecular Neuroscience</i> , 2013, 6, 2.	1.4	629
6	Brain-wide neuronal dynamics during motor adaptation in zebrafish. <i>Nature</i> , 2012, 485, 471-477.	13.7	621
7	Forward Genetic Analysis of Visual Behavior in Zebrafish. <i>PLoS Genetics</i> , 2005, 1, e66.	1.5	263
8	Whole-Brain Activity Maps Reveal Stereotyped, Distributed Networks for Visuomotor Behavior. <i>Neuron</i> , 2014, 81, 1328-1343.	3.8	258
9	Video-rate volumetric functional imaging of the brain at synaptic resolution. <i>Nature Neuroscience</i> , 2017, 20, 620-628.	7.1	247
10	Control of visually guided behavior by distinct populations of spinal projection neurons. <i>Nature Neuroscience</i> , 2008, 11, 327-333.	7.1	235
11	Neural Control and Modulation of Swimming Speed in the Larval Zebrafish. <i>Neuron</i> , 2014, 83, 692-707.	3.8	208
12	Zebrafish Behavior: Opportunities and Challenges. <i>Annual Review of Neuroscience</i> , 2017, 40, 125-147.	5.0	200
13	Structure of the Zebrafish Locomotor Repertoire Revealed with Unsupervised Behavioral Clustering. <i>Current Biology</i> , 2018, 28, 181-195.e5.	1.8	191
14	Perception of Fourier and non-Fourier motion by larval zebrafish. <i>Nature Neuroscience</i> , 2000, 3, 1128-1133.	7.1	173
15	Channeling of red and green cone inputs to the zebrafish optomotor response. <i>Visual Neuroscience</i> , 2005, 22, 275-281.	0.5	122
16	The Tangential Nucleus Controls a Gravito-inertial Vestibulo-ocular Reflex. <i>Current Biology</i> , 2012, 22, 1285-1295.	1.8	107
17	Vesicular Glutamate Transport at a Central Synapse Limits the Acuity of Visual Perception in Zebrafish. <i>Neuron</i> , 2007, 53, 65-77.	3.8	90
18	Behavioral Screening Assays in Zebrafish. <i>Methods in Cell Biology</i> , 2004, 77, 53-68.	0.5	78

#	ARTICLE	IF	CITATIONS
19	Seeing the whole picture: A comprehensive imaging approach to functional mapping of circuits in behaving zebrafish. <i>Neuroscience</i> , 2015, 296, 26-38.	1.1	53
20	Two-photon imaging of neural population activity in zebrafish. <i>Methods</i> , 2013, 62, 255-267.	1.9	47
21	Early-Life Social Experience Shapes Social Avoidance Reactions in Larval Zebrafish. <i>Current Biology</i> , 2020, 30, 4009-4021.e4.	1.8	41
22	Optogenetic sensors in the zebrafish heart: a novel in vivo electrophysiological tool to study cardiac arrhythmogenesis. <i>Theranostics</i> , 2018, 8, 4750-4764.	4.6	38
23	A Retinal Circuit Generating a Dynamic Predictive Code for Oriented Features. <i>Neuron</i> , 2019, 102, 1211-1222.e3.	3.8	30
24	The Cellular Organization of Zebrafish Visuomotor Circuits. <i>Current Biology</i> , 2016, 26, R377-R385.	1.8	20
25	Clusterdv: a simple density-based clustering method that is robust, general and automatic. <i>Bioinformatics</i> , 2019, 35, 2125-2132.	1.8	19
26	Social Behavior: A Neural Circuit for Social Behavior in Zebrafish. <i>Current Biology</i> , 2018, 28, R828-R830.	1.8	8
27	Correlating Whole Brain Neural Activity with Behavior in Head-Fixed Larval Zebrafish. <i>Methods in Molecular Biology</i> , 2016, 1451, 307-320.	0.4	7
28	A choice motif. <i>ELife</i> , 2016, 5, .	2.8	0