Chao-Tsung Yang

List of Publications by Year
in descending order

17 papers	2,615 citations	516710 16 h-index	888059 17 g-index
21 all docs	21 docs citations	21 times ranked	3750 citing authors

#	Article	IF	Citations
1	Labeling of active neural circuits in vivo with designed calcium integrators. Science, 2015, 347, 755-760.	12.6	377
2	Light-sheet functional imaging in fictively behaving zebrafish. Nature Methods, 2014, 11, 883-884.	19.0	294
3	Neutrophils Exert Protection in the Early Tuberculous Granuloma by Oxidative Killing of Mycobacteria Phagocytosed from Infected Macrophages. Cell Host and Microbe, 2012, 12, 301-312.	11.0	267
4	A robotic multidimensional directed evolution approach applied to fluorescent voltage reporters. Nature Chemical Biology, 2018, 14, 352-360.	8.0	264
5	Mapping brain activity at scale with cluster computing. Nature Methods, 2014, 11, 941-950.	19.0	257
6	Brain-wide mapping of neural activity controlling zebrafish exploratory locomotion. ELife, 2016, 5, e12741.	6.0	246
7	Glia Accumulate Evidence that Actions Are Futile and Suppress Unsuccessful Behavior. Cell, 2019, 178, 27-43.e19.	28.9	226
8	The Serotonergic System Tracks the Outcomes of Actions to Mediate Short-Term Motor Learning. Cell, 2016, 167, 933-946.e20.	28.9	130
9	Myeloid Growth Factors Promote Resistance to Mycobacterial Infection by Curtailing Granuloma Necrosis through Macrophage Replenishment. Cell Host and Microbe, 2015, 18, 15-26.	11.0	114
10	Precision Calcium Imaging of Dense Neural Populations via a Cell-Body-Targeted Calcium Indicator. Neuron, 2020, 107, 470-486.e11.	8.1	87
11	Small molecule-induced ablation and subsequent regeneration of larval zebrafish melanocytes. Development (Cambridge), 2006, 133, 3563-3573.	2.5	84
12	Calcium imaging of neural circuits with extended depth-of-field light-sheet microscopy. Optics Letters, 2016, 41, 855.	3.3	71
13	Brain-wide circuit interrogation at the cellular level guided by online analysis of neuronal function. Nature Methods, 2018, 15, 1117-1125.	19.0	54
14	A bidirectional network for appetite control in larval zebrafish. ELife, 2019, 8, .	6.0	50
15	Larval Melanocyte Regeneration Following Laser Ablation in Zebrafish. Journal of Investigative Dermatology, 2004, 123, 924-929.	0.7	42
16	Mutations in gfpt1 and skiv2l2 Cause Distinct Stage-Specific Defects in Larval Melanocyte Regeneration in Zebrafish. PLoS Genetics, 2007, 3, e88.	3.5	37
17	Mutations in gfpt1 and skiv2l2 cause distinct stage-specific defects in larval melanocyte regeneration in zebrafish. PLoS Genetics, 2005, preprint, e88.	3.5	0