Samuel J Yang

List of Publications by Year
in descending order

18 papers	2,462 citations	623734 14 h-index	996975 15 g-index
19 all docs	19 docs citations	19 times ranked	3739 citing authors

#	Article	IF	Citations
1	In Silico Labeling: Predicting Fluorescent Labels in Unlabeled Images. Cell, 2018, 173, 792-803.e19.	28.9	473
2	Wave optics theory and 3-D deconvolution for the light field microscope. Optics Express, 2013, 21, 25418.	3.4	452
3	Simultaneous fast measurement of circuit dynamics at multiple sites across the mammalian brain. Nature Methods, 2016, 13, 325-328.	19.0	359
4	Global Representations of Goal-Directed Behavior in Distinct Cell Types of Mouse Neocortex. Neuron, 2017, 94, 891-907.e6.	8.1	316
5	SPED Light Sheet Microscopy: Fast Mapping of Biological System Structure and Function. Cell, 2015, 163, 1796-1806.	28.9	213
6	Neuronal Dynamics Regulating Brain and Behavioral State Transitions. Cell, 2019, 177, 970-985.e20.	28.9	171
7	Enhancing the performance of the light field microscope using wavefront coding. Optics Express, 2014, 22, 24817.	3.4	149
8	Assessing microscope image focus quality with deep learning. BMC Bioinformatics, 2018, 19, 77.	2.6	109
9	Extended field-of-view and increased-signal 3D holographic illumination with time-division multiplexing. Optics Express, 2015, 23, 32573.	3.4	55
10	Color Capable Sub-Pixel Resolving Optofluidic Microscope and Its Application to Blood Cell Imaging for Malaria Diagnosis. PLoS ONE, 2011, 6, e26127.	2.5	54
11	Integrating deep learning and unbiased automated high-content screening to identify complex disease signatures in human fibroblasts. Nature Communications, 2022, 13, 1590.	12.8	29
12	Adaptive color display via perceptually-driven factored spectral projection. ACM Transactions on Graphics, 2015, 34, 1-10.	7.2	24
13	Applying Deep Neural Network Analysis to High-Content Image-Based Assays. SLAS Discovery, 2019, 24, 829-841.	2.7	22
14	Discovery of complex oxides via automated experiments and data science. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
15	Correcting nuisance variation using Wasserstein distance. PeerJ, 2020, 8, e8594.	2.0	5
16	Physics-Enhanced Machine Learning for Virtual Fluorescence Microscopy. , 2021, , .		5
17	Deep learning for automated focus quality detection in wafer inspection. , 2021, , .		0
18	Extended Field-of-view and Increased-signal 3D Holographic Illumination with Time-division Multiplexing. , 2016, , .		0