Srinivas C Turaga

List of Publications by Year
in descending order

14 papers	**3,192** citations	840776 **11** h-index	1125743 **13** g-index
21 all docs	**21** docs citations	**21** times ranked	**5341** citing authors

#	Article	IF	Citations
1	Opportunities and obstacles for deep learning in biology and medicine. Journal of the Royal Society Interface, 2018, 15, 20170387.	3.4	1,282
2	In Toto Imaging and Reconstruction of Post-Implantation Mouse Development at the Single-Cell Level. Cell, 2018, 175, 859-876.e33.	28.9	348
3	Convolutional Networks Can Learn to Generate Affinity Graphs for Image Segmentation. Neural Computation, 2010, 22, 511-538.	2.2	319
4	Crowdsourcing the creation of image segmentation algorithms for connectomics. Frontiers in Neuroanatomy, 2015, 9, 142.	1.7	248
5	Machines that learn to segment images: a crucial technology for connectomics. Current Opinion in Neurobiology, 2010, 20, 653-666.	4.2	133
6	Supervised Learning of Image Restoration with Convolutional Networks. , 2007, , .		130
7	Large Scale Image Segmentation with Structured Loss Based Deep Learning for Connectome Reconstruction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1669-1680.	13.9	126
8	Deep learning enables fast and dense single-molecule localization with high accuracy. Nature Methods, 2021, 18, 1082-1090.	19.0	122
9	Community-based benchmarking improves spike rate inference from two-photon calcium imaging data. PLoS Computational Biology, 2018, 14, e1006157.	3.2	118
10	Behavioral state coding by molecularly defined paraventricular hypothalamic cell type ensembles. Science, 2020, 370, .	12.6	104
11	Automatic detection of synaptic partners in a whole-brain Drosophilaâ€‰electron microscopy data set. Nature Methods, 2021, 18, 771-774.	19.0	81
12	Constraining computational models using electron microscopy wiring diagrams. Current Opinion in Neurobiology, 2019, 58, 94-100.	4.2	27
13	Efficient convolutional neural networks for pixelwise classification on heterogeneous hardware systems. , 2016, , .		15
14	Synaptic Partner Prediction from Point Annotations in Insect Brains. Lecture Notes in Computer Science, 2018, , 309-316.	1.3	13