Hod Dana

List of Publications by Citations

24 papers	2,311 citations	16 h-index	35 g-index
35 ext. papers	3,371 ext. citations	12.7 avg, IF	4.42 L-index

#	Paper	IF	Citations
24	Sensitive red protein calcium indicators for imaging neural activity. *ELife*, **2016**, 5,	8.9	484
23	High-performance calcium sensors for imaging activity in neuronal populations and microcompartments. *Nature Methods*, **2019**, 16, 649-657	21.6	356
22	Thy1-GCaMP6 transgenic mice for neuronal population imaging in vivo. *PLoS ONE*, **2014**, 9, e108697	3.7	295
21	Neural circuits. Labeling of active neural circuits in vivo with designed calcium integrators. *Science*, **2015**, 347, 755-60	33.3	263
20	Optimized ratiometric calcium sensors for functional in vivo imaging of neurons and T lymphocytes. *Nature Methods*, **2014**, 11, 175-82	21.6	224
19	A bright cyan-excitable orange fluorescent protein facilitates dual-emission microscopy and enhances bioluminescence imaging in vivo. *Nature Biotechnology*, **2016**, 34, 760-7	44.5	143
18	Sparsity-based single-shot subwavelength coherent diffractive imaging. *Nature Materials*, **2012**, 11, 455-9	27	135
17	Neural signatures of dynamic stimulus selection in Drosophila. *Nature Neuroscience*, **2017**, 20, 1104-1113	25.5	76
16	A genetically encoded Ca indicator based on circularly permutated sea anemone red fluorescent protein eqFP578. *BMC Biology*, **2018**, 16, 9	7.3	56
15	Improved methods for marking active neuron populations. *Nature Communications*, **2018**, 9, 4440	17.4	56
14	Hybrid multiphoton volumetric functional imaging of large-scale bioengineered neuronal networks. *Nature Communications*, **2014**, 5, 3997	17.4	49
13	Numerical evaluation of temporal focusing characteristics in transparent and scattering media. *Optics Express*, **2011**, 19, 4937-48	3.3	45
12	Line temporal focusing characteristics in transparent and scattering media. *Optics Express*, **2013**, 21, 5677-87	3.3	29
11	Remotely scanned multiphoton temporal focusing by axial grism scanning. *Optics Letters*, **2012**, 37, 2913-5	3.5	25
10	Thy1 transgenic mice expressing the red fluorescent calcium indicator jRGECO1a for neuronal population imaging in vivo. *PLoS ONE*, **2018**, 13, e0205444	3.7	23
9	All-optical bidirectional neural interfacing using hybrid multiphoton holographic optogenetic stimulation. *Neurophotonics*, **2015**, 2, 031208	3.9	17
8	High-performance GFP-based calcium indicators for imaging activity in neuronal populations and microcompartments		19

7	Author response: Sensitive red protein calcium indicators for imaging neural activity **2016**,		9
6	Reversible Loss of Hippocampal Function in a Mouse Model of Demyelination/Remyelination. *Frontiers in Cellular Neuroscience*, **2019**, 13, 588	6.1	4
5	Advances in point spread function engineering for functional imaging of neural circuits in vivo. *Journal Physics D: Applied Physics*, **2020**, 53, 383001	3	4
4	Ultra-deep penetration of temporally-focused two-photon excitation **2013**,		2
3	Numerical evaluation of temporal focusing characteristics in transparent and scattering media: erratum. *Optics Express*, **2012**, 20, 28281	3.3	1
2	Rapid volumetric temporal focusing multiphoton microscopy of neural activity: theory, image processing, and experimental realization **2012**,		1
1	Cellular-resolution monitoring of ischemic stroke pathologies in the rat cortex. *Biomedical Optics Express*, **2021**, 12, 4901-4919	3.5	0