

# Hod Dana

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Cellular-resolution monitoring of ischemic stroke pathologies in the rat cortex. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 4901-4919	3.5	0
23	Advances in point spread function engineering for functional imaging of neural circuits in vivo. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 383001	3	4
22	High-performance calcium sensors for imaging activity in neuronal populations and microcompartments. <i>Nature Methods</i> , <b>2019</b> , 16, 649-657	21.6	356
21	Reversible Loss of Hippocampal Function in a Mouse Model of Demyelination/Remyelination. <i>Frontiers in Cellular Neuroscience</i> , <b>2019</b> , 13, 588	6.1	4
20	A genetically encoded Ca indicator based on circularly permuted sea anemone red fluorescent protein eqFP578. <i>BMC Biology</i> , <b>2018</b> , 16, 9	7.3	56
19	Thy1 transgenic mice expressing the red fluorescent calcium indicator jRGECO1a for neuronal population imaging in vivo. <i>PLoS ONE</i> , <b>2018</b> , 13, e0205444	3.7	23
18	Improved methods for marking active neuron populations. <i>Nature Communications</i> , <b>2018</b> , 9, 4440	17.4	56
17	Neural signatures of dynamic stimulus selection in <i>Drosophila</i> . <i>Nature Neuroscience</i> , <b>2017</b> , 20, 1104-1113	25.5	76
16	A bright cyan-excitable orange fluorescent protein facilitates dual-emission microscopy and enhances bioluminescence imaging in vivo. <i>Nature Biotechnology</i> , <b>2016</b> , 34, 760-7	44.5	143
15	Author response: Sensitive red protein calcium indicators for imaging neural activity <b>2016</b> ,		9
14	Sensitive red protein calcium indicators for imaging neural activity. <i>ELife</i> , <b>2016</b> , 5,	8.9	484
13	All-optical bidirectional neural interfacing using hybrid multiphoton holographic optogenetic stimulation. <i>Neurophotonics</i> , <b>2015</b> , 2, 031208	3.9	17
12	Neural circuits. Labeling of active neural circuits in vivo with designed calcium integrators. <i>Science</i> , <b>2015</b> , 347, 755-60	33.3	263
11	Optimized ratiometric calcium sensors for functional in vivo imaging of neurons and T lymphocytes. <i>Nature Methods</i> , <b>2014</b> , 11, 175-82	21.6	224
10	Hybrid multiphoton volumetric functional imaging of large-scale bioengineered neuronal networks. <i>Nature Communications</i> , <b>2014</b> , 5, 3997	17.4	49
9	Thy1-GCaMP6 transgenic mice for neuronal population imaging in vivo. <i>PLoS ONE</i> , <b>2014</b> , 9, e108697	3.7	295
8	Line temporal focusing characteristics in transparent and scattering media. <i>Optics Express</i> , <b>2013</b> , 21, 5673-87	3.7	29

7	Ultra-deep penetration of temporally-focused two-photon excitation <b>2013</b> ,		2
6	Sparsity-based single-shot subwavelength coherent diffractive imaging. <i>Nature Materials</i> , <b>2012</b> , 11, 455-27		135
5	Numerical evaluation of temporal focusing characteristics in transparent and scattering media: erratum. <i>Optics Express</i> , <b>2012</b> , 20, 28281	3-3	1
4	Remotely scanned multiphoton temporal focusing by axial grism scanning. <i>Optics Letters</i> , <b>2012</b> , 37, 2913-5	3-5	25
3	Rapid volumetric temporal focusing multiphoton microscopy of neural activity: theory, image processing, and experimental realization <b>2012</b> ,		1
2	Numerical evaluation of temporal focusing characteristics in transparent and scattering media. <i>Optics Express</i> , <b>2011</b> , 19, 4937-48	3-3	45
1	High-performance GFP-based calcium indicators for imaging activity in neuronal populations and microcompartments		45