

V V G Krishna Inavalli

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

849
citations

840776

11
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

1181
citing authors

#	ARTICLE	IF	CITATIONS
1	Super-Resolution Imaging of the Extracellular Space in Living Brain Tissue. <i>Cell</i> , 2018, 172, 1108-1121.e15.	28.9	219
2	Structural basis of astrocytic Ca ²⁺ signals at tripartite synapses. <i>Nature Communications</i> , 2020, 11, 1906.	12.8	133
3	Chronic 2P-STED imaging reveals high turnover of dendritic spines in the hippocampus in vivo. <i>ELife</i> , 2018, 7, .	6.0	130
4	Generation of optical vector beams using a two-mode fiber. <i>Optics Letters</i> , 2009, 34, 1189.	3.3	74
5	Salivary gland macrophages and tissue-resident CD8 ⁺ T cells cooperate for homeostatic organ surveillance. <i>Science Immunology</i> , 2020, 5, .	11.9	57
6	A super-resolution platform for correlative live single-molecule imaging and STED microscopy. <i>Nature Methods</i> , 2019, 16, 1263-1268.	19.0	53
7	Multifunctional Plasmonic Film for Recording Near-Field Optical Intensity. <i>Nano Letters</i> , 2014, 14, 4687-4693.	9.1	49
8	Switchable vector vortex beam generation using an optical fiber. <i>Optics Communications</i> , 2010, 283, 861-864.	2.1	40
9	Super-resolution shadow imaging reveals local remodeling of astrocytic microstructures and brain extracellular space after osmotic challenge. <i>Glia</i> , 2021, 69, 1605-1613.	4.9	33
10	Polarization singularities in the two-mode optical fiber output. <i>Applied Optics</i> , 2011, 50, E131.	2.1	23
11	Application of quantitative second-harmonic generation microscopy to dynamic conditions. <i>Biomedical Optics Express</i> , 2013, 4, 2546.	2.9	16
12	Dynamic evolution of transverse energy flow in focused asymmetric optical vector-vortex beams. <i>Optics Communications</i> , 2012, 285, 4866-4873.	2.1	9
13	Nanoscale imaging of the functional anatomy of the brain. <i>Neuroforum</i> , 2021, .	0.3	3
14	Rotational Doppler-effect due to selective excitation of vector-vortex field in optical fiber. <i>Optics Express</i> , 2011, 19, 448.	3.4	2
15	Wavelength Dependence of the Polarization Singularities in a Two-Mode Optical Fiber. <i>International Journal of Optics</i> , 2012, 2012, 1-7.	1.4	2
16	Cover Image, Volume 69, Issue 6. <i>Glia</i> , 2021, 69, C1.	4.9	0