

Chenchen Song

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

681
citations

623734

14
h-index

794594

19
g-index

24
all docs

24
docs citations

24
times ranked

906
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical voltage imaging in neurons: moving from technology development to practical tool. <i>Nature Reviews Neuroscience</i> , 2019, 20, 719-727.	10.2	132
2	Genetically encoded voltage indicators for large scale cortical imaging come of age. <i>Current Opinion in Chemical Biology</i> , 2015, 27, 75-83.	6.1	90
3	Cortical Entropy, Mutual Information and Scale-Free Dynamics in Waking Mice. <i>Cerebral Cortex</i> , 2016, 26, 3945-3952.	2.9	71
4	Exploration of genetically encoded voltage indicators based on a chimeric voltage sensing domain. <i>Frontiers in Molecular Neuroscience</i> , 2014, 7, 78.	2.9	51
5	Optogenetics enlightens neuroscience drug discovery. <i>Nature Reviews Drug Discovery</i> , 2016, 15, 97-109.	46.4	50
6	Cortical signatures of wakeful somatosensory processing. <i>Scientific Reports</i> , 2018, 8, 11977.	3.3	40
7	Assessing spatiotemporal variability of brain spontaneous activity by multiscale entropy and functional connectivity. <i>NeuroImage</i> , 2019, 198, 198-220.	4.2	34
8	Cortex-Wide Dynamics of Intrinsic Electrical Activities: Propagating Waves and Their Interactions. <i>Journal of Neuroscience</i> , 2021, 41, 3665-3678.	3.6	33
9	Single-Neuron Level One-Photon Voltage Imaging With Sparsely Targeted Genetically Encoded Voltage Indicators. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 39.	3.7	28
10	State-Dependent Modulation of Slow Wave Motifs towards Awakening. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 108.	3.7	23
11	Transgenic Strategies for Sparse but Strong Expression of Genetically Encoded Voltage and Calcium Indicators. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1461.	4.1	22
12	Subcellular resolution three-dimensional light-field imaging with genetically encoded voltage indicators. <i>Neurophotonics</i> , 2020, 7, 035006.	3.3	22
13	Genetically Encoded Fluorescent Calcium and Voltage Indicators. <i>Handbook of Experimental Pharmacology</i> , 2019, 260, 209-229.	1.8	15
14	Screening and Cellular Characterization of Genetically Encoded Voltage Indicators Based on Near-Infrared Fluorescent Proteins. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3523-3531.	3.5	15
15	Route to genetically targeted optical electrophysiology: development and applications of voltage-sensitive fluorescent proteins. <i>Neurophotonics</i> , 2015, 2, 021008.	3.3	14
16	Mammalian cortical voltage imaging using genetically encoded voltage indicators: a review honoring professor Amiram Grinvald. <i>Neurophotonics</i> , 2017, 4, 031214.	3.3	12
17	Genetically Encoded Voltage Indicators. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1293, 209-224.	1.6	12
18	The serotonin 2A receptor agonist 25CN-NBOH increases murine heart rate and neck-arterial blood flow in a temperature-dependent manner. <i>Journal of Psychopharmacology</i> , 2020, 34, 786-794.	4.0	7

#	ARTICLE	IF	CITATIONS
19	Combining Cortical Voltage Imaging and Hippocampal Electrophysiology for Investigating Global, Multi-Timescale Activity Interactions in the Brain. International Journal of Molecular Sciences, 2022, 23, 6814.	4.1	2
20	Optical readout of voltage indicators using an improved targeted direct patterning concept.. , 2020, , .		0