

# Chenchen Song

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9580545/publications.pdf>

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  | Combining Cortical Voltage Imaging and Hippocampal Electrophysiology for Investigating Global, Multi-Timescale Activity Interactions in the Brain. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6814. | 4.1  | 2         |
| 2  | Genetically Encoded Voltage Indicators. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1293, 209-224.   | 1.6  | 12        |
| 3  | Cortex-Wide Dynamics of Intrinsic Electrical Activities: Propagating Waves and Their Interactions. <i>Journal of Neuroscience</i> , 2021, 41, 3665-3678.  | 3.6  | 33        |
| 4  | 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        |
| 5  | 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         |
| 6  | Subcellular resolution three-dimensional light-field imaging with genetically encoded voltage indicators. <i>Neurophotonics</i> , 2020, 7, 035006.  | 3.3  | 22        |
| 7  | Optical readout of voltage indicators using an improved targeted direct patterning concept.. , 2020, , .  |      | 0         |
| 8  | Genetically Encoded Fluorescent Calcium and Voltage Indicators. <i>Handbook of Experimental Pharmacology</i> , 2019, 260, 209-229.  | 1.8  | 15        |
| 9  | Optical voltage imaging in neurons: moving from technology development to practical tool. <i>Nature Reviews Neuroscience</i> , 2019, 20, 719-727.   | 10.2 | 132       |
| 10 | 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        |
| 11 | Assessing spatiotemporal variability of brain spontaneous activity by multiscale entropy and functional connectivity. <i>NeuroImage</i> , 2019, 198, 198-220.   | 4.2  | 34        |
| 12 | Cortical signatures of wakeful somatosensory processing. <i>Scientific Reports</i> , 2018, 8, 11977.  | 3.3  | 40        |
| 13 | Mammalian cortical voltage imaging using genetically encoded voltage indicators: a review honoring professor Amiram Grinvald. <i>Neurophotonics</i> , 2017, 4, 031214.  | 3.3  | 12        |
| 14 | 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        |
| 15 | State-Dependent Modulation of Slow Wave Motifs towards Awakening. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 108.  | 3.7  | 23        |
| 16 | Cortical Entropy, Mutual Information and Scale-Free Dynamics in Waking Mice. <i>Cerebral Cortex</i> , 2016, 26, 3945-3952.  | 2.9  | 71        |
| 17 | Optogenetics enlightens neuroscience drug discovery. <i>Nature Reviews Drug Discovery</i> , 2016, 15, 97-109.   | 46.4 | 50        |
| 18 | Route to genetically targeted optical electrophysiology: development and applications of voltage-sensitive fluorescent proteins. <i>Neurophotonics</i> , 2015, 2, 021008.   | 3.3  | 14        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | 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        |
| 20 | 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        |