

David J Margolis

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,303
citations

567144

15
h-index

677027

22
g-index

30
all docs

30
docs citations

30
times ranked

1869
citing authors

#	ARTICLE	IF	CITATIONS
1	Aberrant Cortical Activity in Multiple GCaMP6-Expressing Transgenic Mouse Lines. <i>ENeuro</i> , 2017, 4, ENEURO.0207-17.2017.	0.9	221
2	Reorganization of cortical population activity imaged throughout long-term sensory deprivation. <i>Nature Neuroscience</i> , 2012, 15, 1539-1546.	7.1	193
3	Pathway-specific reorganization of projection neurons in somatosensory cortex during learning. <i>Nature Neuroscience</i> , 2015, 18, 1101-1108.	7.1	146
4	Steady or changing? Long-term monitoring of neuronal population activity. <i>Trends in Neurosciences</i> , 2013, 36, 375-384.	4.2	103
5	P2Y12R-Dependent Translocation Mechanisms Gate the Changing Microglial Landscape. <i>Cell Reports</i> , 2018, 23, 959-966.	2.9	91
6	Regulation of Physical Microglia-Neuron Interactions by Fractalkine Signaling after Status Epilepticus. <i>ENeuro</i> , 2016, 3, ENEURO.0209-16.2016.	0.9	86
7	The role of mitophagy in the regulation of mitochondrial energetic status in neurons. <i>Autophagy</i> , 2021, 17, 4182-4201.	4.3	61
8	Network Oscillations Drive Correlated Spiking of ON and OFF Ganglion Cells in the rd1 Mouse Model of Retinal Degeneration. <i>PLoS ONE</i> , 2014, 9, e86253.	1.1	59
9	Regulation of Synaptic Amyloid- β Generation through BACE1 Retrograde Transport in a Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2017, 37, 2639-2655.	1.7	58
10	Online correction of licking-induced brain motion during two-photon imaging with a tunable lens. <i>Journal of Physiology</i> , 2013, 591, 4689-4698.	1.3	49
11	Pupil Dynamics Reflect Behavioral Choice and Learning in a Go/NoGo Tactile Decision-Making Task in Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 200.	1.0	44
12	Chronic imaging of cortical sensory map dynamics using a genetically encoded calcium indicator. <i>Journal of Physiology</i> , 2012, 590, 99-107.	1.3	40
13	Microcircuit dynamics of map plasticity in barrel cortex. <i>Current Opinion in Neurobiology</i> , 2014, 24, 76-81.	2.0	28
14	Decoding cortical brain states from widefield calcium imaging data using visibility graph. <i>Biomedical Optics Express</i> , 2018, 9, 3017.	1.5	25
15	Opposing Influence of Sensory and Motor Cortical Input on Striatal Circuitry and Choice Behavior. <i>Current Biology</i> , 2019, 29, 1313-1323.e5.	1.8	18
16	Peripheral optogenetic stimulation induces whisker movement and sensory perception in head-fixed mice. <i>ELife</i> , 2016, 5, .	2.8	17
17	Broad activation of the Parkin pathway induces synaptic mitochondrial deficits in early tauopathy. <i>Brain</i> , 2022, 145, 305-323.	3.7	16
18	FosGFP expression does not capture a sensory learning-related engram in superficial layers of mouse barrel cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15

#	ARTICLE	IF	CITATIONS
19	Optogenetic and transcriptomic interrogation of enhanced muscle function in the paralyzed mouse whisker pad. <i>Journal of Neurophysiology</i> , 2019, 121, 1491-1500.	0.9	6
20	Quantifying Changes in Brain Function Following Injury via Network Measures. , 2019, 2019, 5217-5220.		6
21	Investigating learning-related neural circuitry with chronic in vivo optical imaging. <i>Brain Structure and Function</i> , 2020, 225, 467-480.	1.2	6
22	Fabrication of a Multilayer Implantable Cortical Microelectrode Probe to Improve Recording Potential. <i>Journal of Microelectromechanical Systems</i> , 2021, 30, 569-581.	1.7	4
23	Traces of Learning in Thalamocortical Circuits. <i>Neuron</i> , 2019, 103, 175-176.	3.8	3
24	An Optical ExposÃ© of Cortical Function. <i>Trends in Neurosciences</i> , 2019, 42, 511-513.	4.2	0
25	Opposing Influence of Sensory and Motor Cortex on Striatal Circuitry and Choice Behavior. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
26	Optogenetic probing of nerve and muscle function after facial nerve lesion in the mouse whisker system. , 2018, , .		0