

Paul Werginz

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

296
citations

1163117

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996975

15
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18
docs citations

18
times ranked

289
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric stimulus duration alters network-mediated responses depending on retinal ganglion cell type. <i>Journal of Neural Engineering</i> , 2018, 15, 036010.	3.5	51
2	Modeling the response of ON and OFF retinal bipolar cells during electric stimulation. <i>Vision Research</i> , 2015, 111, 170-181.	1.4	48
3	Influence of the sodium channel band on retinal ganglion cell excitation during electric stimulation – A modeling study. <i>Neuroscience</i> , 2014, 266, 162-177.	2.3	36
4	Scaling of the AIS and Somatodendritic Compartments in \pm S RGCs. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 436.	3.7	30
5	The impact of calcium current reversal on neurotransmitter release in the electrically stimulated retina. <i>Journal of Neural Engineering</i> , 2016, 13, 046013.	3.5	25
6	The relationship between morphological properties and thresholds to extracellular electric stimulation in \pm RGCs. <i>Journal of Neural Engineering</i> , 2020, 17, 045015.	3.5	24
7	On optimal coupling of the –electronic photoreceptors–™ into the degenerate retina. <i>Journal of Neural Engineering</i> , 2020, 17, 045008.	3.5	17
8	Tailoring of the axon initial segment shapes the conversion of synaptic inputs into spiking output in OFF- \pm T retinal ganglion cells. <i>Science Advances</i> , 2020, 6, .	10.3	17
9	Response of Mouse Visual Cortical Neurons to Electric Stimulation of the Retina. <i>Frontiers in Neuroscience</i> , 2019, 13, 324.	2.8	14
10	A finite element method framework to model extracellular neural stimulation. <i>Journal of Neural Engineering</i> , 2022, 19, 022001.	3.5	11
11	Visual and electric spiking responses of seven types of rabbit retinal ganglion cells. , 2018, 2018, 2434-2437.		7
12	Investigating the Influence of 3D Cell Morphology on Neural Response During Electrical Stimulation. <i>Biomedizinische Technik</i> , 2013, 58 Suppl 1, .	0.8	5
13	Morphological Factors that Underlie Neural Sensitivity to Stimulation in the Retina. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2100069.	3.6	3
14	Neural Activation for Different Electrode Designs in Subretinal Implants: a Modeling Study. <i>Biomedizinische Technik</i> , 2013, 58 Suppl 1, .	0.8	2
15	Comparison of electrically elicited responses in rabbit and mouse retinal ganglion cells. , 2019, 2019, 1813-1816.		2
16	Differential Responses to High-Frequency Electrical Stimulation in Brisk-Transient and Delta Retinal Ganglion Cells. , 2020, 2020, 3529-3532.		2
17	Block Phenomena During Electric Micro-Stimulation of Pyramidal Cells and Retinal Ganglion Cells. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 771600.	3.7	1
18	Morphological Factors that Underlie Neural Sensitivity to Stimulation in the Retina. <i>Advanced NanoBiomed Research</i> , 2021, 1, .	3.6	1