

Paul Werginz

List of Publications by Year in descending order

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18
papers

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1163117

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18
all docs

18
docs citations

18
times ranked

289
citing authors

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