

# Pragya Kosta

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3421106/publications.pdf>

Version: 2024-02-01

13  
papers

134  
citations

1307366

7  
h-index

1474057

9  
g-index

13  
all docs

13  
docs citations

13  
times ranked

144  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical Stimulation Induced Current Distribution in Peripheral Nerves Varies Significantly with the Extent of Nerve Damage: A Computational Study Utilizing Convolutional Neural Network and Realistic Nerve Models. Lecture Notes in Computer Science, 2022, , 526-535.	1.0	2
2	Model-based comparison of current flow in rod bipolar cells of healthy and early-stage degenerated retina. Experimental Eye Research, 2021, 207, 108554.	1.2	8
3	Mechanisms underlying activation of retinal bipolar cells through targeted electrical stimulation: a computational study. Journal of Neural Engineering, 2021, 18, 066034.	1.8	5
4	A Computational Model Simulates Light-Evoked Responses in the Retinal Cone Pathway. , 2021, 2021, 4482-4486.		3
5	Electrode Spacing and Current Distribution in Electrical Stimulation of Peripheral Nerve: A Computational Modeling Study using Realistic Nerve Models. , 2021, 2021, 4416-4419.		3
6	Modeling ON Cone Bipolar Cells for Electrical Stimulation. , 2021, 2021, 6547-6550.		6
7	Stimulus waveform design for decreasing charge and increasing stimulation selectivity in retinal prostheses. Healthcare Technology Letters, 2020, 7, 66-71.	1.9	9
8	Simulation-Based Optimization of Figure-of-Eight Coil Designs and Orientations for Magnetic Stimulation of Peripheral Nerve. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2901-2913.	2.7	11
9	Reduced Heat Generation During Magnetic Stimulation of Rat Sciatic Nerve Using Current Waveform Truncation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 937-946.	2.7	10
10	Selective stimulation of rat sciatic nerve using an array of mm-size magnetic coils: a simulation study. Healthcare Technology Letters, 2019, 6, 70-75.	1.9	10
11	Recent Advances in Computational and Experimental Bioelectromagnetics for Neuroprosthetics. , 2019, , .		9
12	Analysis and Design of a 3-Coil Wireless Power Transmission System for Biomedical Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 5012-5024.	3.1	40
13	Electromagnetic Safety Assessment of a Cortical Implant for Vision Restoration. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2018, 2, 56-63.	2.3	18