

# Ilya Tarotin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1402918/publications.pdf>

Version: 2024-02-01

9  
papers

95  
citations

1684188

5  
h-index

1872680

6  
g-index

10  
all docs

10  
docs citations

10  
times ranked

119  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overcoming temporal dispersion for measurement of activity-related impedance changes in unmyelinated nerves. <i>Journal of Neural Engineering</i> , 2022, , .	3.5	0
2	Model-based geometrical optimisation and in vivo validation of a spatially selective multielectrode cuff array for vagus nerve neuromodulation. <i>Journal of Neuroscience Methods</i> , 2021, 352, 109079.	2.5	42
3	Can ionic concentration changes due to mechanical deformation be responsible for the neurostimulation caused by focused ultrasound? A simulation study. <i>Physiological Measurement</i> , 2021, 42, 105005.	2.1	0
4	Quantification of clinically applicable stimulation parameters for precision near-organ neuromodulation of human splenic nerves. <i>Communications Biology</i> , 2020, 3, 577.	4.4	14
5	SPARC: Method for Overcoming Temporal Dispersion in Unmyelinated Nerves for Imaging C Fibres with Electrical Impedance Tomography (EIT). <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	2
6	Model of Impedance Changes in Unmyelinated Nerve Fibers. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 471-484.	4.2	20
7	Simulation of impedance changes with a FEM model of a myelinated nerve fibre. <i>Journal of Neural Engineering</i> , 2019, 16, 056026.	3.5	9
8	Effect of dispersion in nerve on compound action potential and impedance change: a modelling study. <i>Physiological Measurement</i> , 2019, 40, 034001.	2.1	8
9	A Model Device for Real-Time Monitoring of Cognitive Activity in Humans (the "Cognovisor"). <i>Neuroscience and Behavioral Physiology</i> , 2018, 48, 1120-1127.	0.4	0