Ilya Tarotin

List of Publications by Year
in descending order

9	95	1684188 5	1872680 6
papers	citations	h-index	g-index

10	10	10	119
all docs	docs citations	times ranked	citing authors

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