

Innokentiy A Kastalskiy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/502602/publications.pdf>

Version: 2024-02-01

24
papers

317
citations

1040056

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940533

16
g-index

24
all docs

24
docs citations

24
times ranked

339
citing authors

#	ARTICLE	IF	CITATIONS
1	Latent Factors Limiting the Performance of sEMG-Interfaces. <i>Sensors</i> , 2018, 18, 1122.	3.8	58
2	Spiking Signatures of Spontaneous Activity Bursts in Hippocampal Cultures. <i>Frontiers in Computational Neuroscience</i> , 2011, 5, 46.	2.1	55
3	Astrocyte as Spatiotemporal Integrating Detector of Neuronal Activity. <i>Frontiers in Physiology</i> , 2019, 10, 294.	2.8	40
4	Glial cell line-derived neurotrophic factor (GDNF) counteracts hypoxic damage to hippocampal neural network function in vitro. <i>Brain Research</i> , 2018, 1678, 310-321.	2.2	33
5	A Spiking Neural Network in sEMG Feature Extraction. <i>Sensors</i> , 2015, 15, 27894-27904.	3.8	26
6	Features of Neural Network Formation and Their Functions in Primary Hippocampal Cultures in the Context of Chronic TrkB Receptor System Influence. <i>Frontiers in Physiology</i> , 2018, 9, 1925.	2.8	22
7	Astrocytes mediate analogous memory in a multi-layer neuron-astrocyte network. <i>Neural Computing and Applications</i> , 2022, 34, 9147-9160.	5.6	20
8	Network response synchronization enhanced by synaptic plasticity. <i>European Physical Journal: Special Topics</i> , 2016, 225, 29-39.	2.6	11
9	Combined Use of Command-Proportional Control of External Robotic Devices Based on Electromyography Signals. <i>Sovremennye Tehnologii V Medicine</i> , 2015, 7, 30-38.	1.1	9
10	Social stress drives the multi-wave dynamics of COVID-19 outbreaks. <i>Scientific Reports</i> , 2021, 11, 22497.	3.3	8
11	A Neuromuscular Interface for Robotic Devices Control. <i>Computational and Mathematical Methods in Medicine</i> , 2018, 2018, 1-8.	1.3	7
12	A Human-Computer Interface based on Electromyography Command-Proportional Control. , 2016, , .		6
13	Pattern retrieval in a three-layer oscillatory network with a context dependent synaptic connectivity. <i>Neural Networks</i> , 2012, 33, 67-75.	5.9	5
14	Myoelectric Control System of Lower Limb Exoskeleton for Re-training Motion Deficiencies. <i>Lecture Notes in Computer Science</i> , 2015, , 428-435.	1.3	5
15	Brain-Controlled Biometric Signals Employed to Operate External Technical Devices. , 2018, , 59-71.		2
16	Development of a Neurally-Controlled Vehicle "Neuro-Mobile" for Driving by Individuals with Motor Deficiency. <i>Sovremennye Tehnologii V Medicine</i> , 2018, 10, 49.	1.1	2
17	A Biofeedback Control System of the Exoskeleton Trainer for Lower Limbs Motor Function Recovery. , 2017, , .		2
18	A Functional Electrical Stimulation System for Integration in an Exoskeleton. <i>Sovremennye Tehnologii V Medicine</i> , 2018, 10, 104.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Cognitive Neural Network Driving DoF-Scalable Limbs in Time-Evolving Situations. , 2018, , .		1
20	Modelling working memory in neuron-astrocyte network. , 2021, , .		1
21	A Mobile Exoskeleton Control System Using Electromyographic Signals from Human Muscles. Sovremennye Tehnologii V Medicine, 2017, 9, 162.	1.1	1
22	Astrocytesâ€™ signals guided storage and retrieval of patterns by an SNN. , 2021, , .		1
23	Impact of the steady state IP3 level on the intracellular Ca ²⁺ signaling in spatially distributed model of astrocyte. , 2020, , .		0
24	Intracellular Calcium Network Activity in the Hippocampus CA3 Region in Rat Postnatal Development. Sovremennye Tehnologii V Medicine, 2016, 8, 167-177.	1.1	0