

Mijail D Serruya

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6957364/publications.pdf>

Version: 2024-02-01

21
papers

4,857
citations

687363

13
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

4150
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuronal ensemble control of prosthetic devices by a human with tetraplegia. <i>Nature</i> , 2006, 442, 164-171.	27.8	2,979
2	Instant neural control of a movement signal. <i>Nature</i> , 2002, 416, 141-142.	27.8	1,309
3	Robustness of neuroprosthetic decoding algorithms. <i>Biological Cybernetics</i> , 2003, 88, 219-228.	1.3	107
4	Neural Substrate Expansion for the Restoration of Brain Function. <i>Frontiers in Systems Neuroscience</i> , 2016, 10, 1.	2.5	85
5	The Evolution of Neuroprosthetic Interfaces. <i>Critical Reviews in Biomedical Engineering</i> , 2016, 44, 123-152.	0.9	56
6	Power Shifts Track Serial Position and Modulate Encoding in Human Episodic Memory. <i>Cerebral Cortex</i> , 2014, 24, 403-413.	2.9	49
7	18F-FDG Is a Superior Indicator of Cognitive Performance Compared to 18F-Florbetapir in Alzheimer's Disease and Mild Cognitive Impairment Evaluation: A Global Quantitative Analysis. <i>Journal of Alzheimer's Disease</i> , 2019, 70, 1197-1207.	2.6	48
8	Emerging regenerative medicine and tissue engineering strategies for Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2020, 6, 4.	5.3	44
9	Development of optically controlled "living electrodes" with long-projecting axon tracts for a synaptic brain-machine interface. <i>Science Advances</i> , 2021, 7, .	10.3	40
10	Engineered Axonal Tracts as "Living Electrodes" for Synaptic-Based Modulation of Neural Circuitry. <i>Advanced Functional Materials</i> , 2018, 28, 1701183.	14.9	36
11	Bioactive Neuroelectronic Interfaces. <i>Frontiers in Neuroscience</i> , 2019, 13, 269.	2.8	26
12	Contribution of left supramarginal and angular gyri to episodic memory encoding: An intracranial EEG study. <i>NeuroImage</i> , 2021, 225, 117514.	4.2	24
13	Clinical Comparison of 99mTc Exametazime and 123I Ioflupane SPECT in Patients with Chronic Mild Traumatic Brain Injury. <i>PLoS ONE</i> , 2014, 9, e87009.	2.5	14
14	Bottlenecks to clinical translation of direct brain-computer interfaces. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 226.	2.5	13
15	DESIGN PRINCIPLES OF A NEUROMOTOR PROSTHETIC DEVICE. <i>Series on Bioengineering and Biomedical Engineering</i> , 2004, , 1158-1196.	0.1	10
16	Connecting the Brain to Itself through an Emulation. <i>Frontiers in Neuroscience</i> , 2017, 11, 373.	2.8	7
17	As we may think and be: brain-computer interfaces to expand the substrate of mind. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 53.	2.5	3
18	Neuromotor prosthetic to treat stroke-related paresis: N-of-1 trial. <i>Communications Medicine</i> , 2022, 2, .	4.2	3

#	ARTICLE	IF	CITATIONS
19	An artificial nervous system to treat chronic stroke. <i>Artificial Organs</i> , 2021, 45, 804-812.	1.9	2
20	Observed Tissue Reactions Associated with Subacute Implantation of Cortical Intraparenchymal Microelectrode Arrays. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 1-3.	1.5	1
21	Analysis of spontaneous calcium signals to infer functional connectivity within a novel "living electrode" neural construct. , 2016, , .		0