

Adam Williamson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5091977/publications.pdf>

Version: 2024-02-01

26
papers

1,649
citations

567281

15
h-index

580821

25
g-index

32
all docs

32
docs citations

32
times ranked

2343
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-Driven Wireless Deep Brain Stimulation using Temporal Interference and Organic Electrolytic Photocapacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	10
2	Noninvasive Stimulation of Peripheral Nerves using Temporally-Interfering Electrical Fields. <i>Advanced Healthcare Materials</i> , 2022, 11, .	7.6	16
3	The Kainic Acid Models of Temporal Lobe Epilepsy. <i>ENeuro</i> , 2021, 8, ENEURO.0337-20.2021.	1.9	86
4	Orientation of Temporal Interference for Non-invasive Deep Brain Stimulation in Epilepsy. <i>Frontiers in Neuroscience</i> , 2021, 15, 633988.	2.8	30
5	Organic electrolytic photocapacitors for stimulation of the mouse somatosensory cortex. <i>Journal of Neural Engineering</i> , 2021, 18, 066016.	3.5	5
6	Non-thermal Electroporation Ablation of Epileptogenic Zones Stops Seizures in Mice While Providing Reduced Vascular Damage and Accelerated Tissue Recovery. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 774999.	2.0	4
7	Electrophoretic Delivery of γ -aminobutyric Acid (GABA) into Epileptic Focus Prevents Seizures in Mice. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	3
8	An Electroencephalography Device with an Integrated Microfluidic Ion Pump for Simultaneous Neural Recording and Electrophoretic Drug Delivery In Vivo. <i>Advanced Biology</i> , 2019, 3, e1800270.	3.0	63
9	High-Performance Vertical Organic Electrochemical Transistors. <i>Advanced Materials</i> , 2018, 30, 1705031.	21.0	99
10	A bilayered PVA/PLGA-bioresorbable shuttle to improve the implantation of flexible neural probes. <i>Journal of Neural Engineering</i> , 2018, 15, 065001.	3.5	47
11	Electrophoretic drug delivery for seizure control. <i>Science Advances</i> , 2018, 4, eaau1291.	10.3	118
12	Multimodal Characterization of Neural Networks Using Highly Transparent Electrode Arrays. <i>ENeuro</i> , 2018, 5, ENEURO.0187-18.2018.	1.9	25
13	Methodological standards and functional correlates of depth in vivo electrophysiological recordings in control rodents. A TASK 1 WG 3 report of the AES / ILAE Translational Task Force of the ILAE. <i>Epilepsia</i> , 2017, 58, 28-39.	5.1	17
14	Bioelectronic neural pixel: Chemical stimulation and electrical sensing at the same site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9440-9445.	7.1	107
15	Localized Neuron Stimulation with Organic Electrochemical Transistors on Delaminating Depth Probes. <i>Advanced Materials</i> , 2015, 27, 4405-4410.	21.0	139
16	High-performance transistors for bioelectronics through tuning of channel thickness. <i>Science Advances</i> , 2015, 1, e1400251.	10.3	501
17	Controlling Epileptiform Activity with Organic Electronic Ion Pumps. <i>Advanced Materials</i> , 2015, 27, 3138-3144.	21.0	138
18	Mimicking the biological world: Methods for the 3D structuring of artificial cellular environments. <i>Engineering in Life Sciences</i> , 2013, 13, 352-367.	3.6	28

#	ARTICLE	IF	CITATIONS
19	Neuronal cell spike sorting using signal features extracted by PARAFAC. , 2013, , .		3
20	In vitro cultivation of biopsy derived primary hepatocytes leads to a more metabolic genotype in perfused 3D scaffolds than static 3D cell culture. RSC Advances, 2013, 3, 16558.	3.6	12
21	Synaptic behavior and STDP of asymmetric nanoscale memristors in biohybrid systems. Nanoscale, 2013, 5, 7297.	5.6	31
22	3D engineered neural networks coupled to Micro-Electrode Arrays: Development of an innovative in-vitro experimental model for neurophysiological studies. , 2013, , .		0
23	The future of the patient-specific Body-on-a-chip. Lab on A Chip, 2013, 13, 3471.	6.0	115
24	Modeling the Formation Process of Grouping Stimuli Sets through Cortical Columns and Microcircuits to Feature Neurons. Computational Intelligence and Neuroscience, 2013, 2013, 1-10.	1.7	1
25	Capacitive Sensor Concept for Monitoring Neuronal Activity in Vitro. Biomedizinische Technik, 2012, 57, .	0.8	1
26	The design of efficient surface-plasmon-enhanced ultra-thin polymer-based solar cells. Applied Physics Letters, 2011, 99, 093307.	3.3	25