

Elena Zucchini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/734799/publications.pdf>

Version: 2024-02-01

17
papers

460
citations

840728

11
h-index

1125717

13
g-index

18
all docs

18
docs citations

18
times ranked

564
citing authors

#	ARTICLE	IF	CITATIONS
1	On the longevity of flexible neural interfaces: Establishing biostability of polyimide-based intracortical implants. <i>Biomaterials</i> , 2022, 281, 121372.	11.4	27
2	A Novel Biasing Scheme of Electrolyte-Gated Organic Transistors for Safe In Vivo Amplification of Electrophysiological Signals. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	7
3	Prediction of Speech Onset by Micro-Electrocortigraphy of the Human Brain. <i>International Journal of Neural Systems</i> , 2021, 31, 2150025.	5.2	6
4	Flexible Bioelectronic Devices Based on Micropatterned Monolithic Carbon Fiber Mats. <i>Advanced Materials Technologies</i> , 2020, 5, 1900713.	5.8	21
5	Conformable polyimide-based $\frac{1}{4}$ ECoGs: Bringing the electrodes closer to the signal source. <i>Biomaterials</i> , 2020, 255, 120178.	11.4	58
6	Flexible Bioelectronics: Flexible Bioelectronic Devices Based on Micropatterned Monolithic Carbon Fiber Mats (Adv. Mater. Technol. 2/2020). <i>Advanced Materials Technologies</i> , 2020, 5, 2070009.	5.8	0
7	Can Crosstalk Compromise the Recording of High-Frequency Neural Signals?. , 2019, , .		3
8	Electrodeposited PEDOT:Nafion Composite for Neural Recording and Stimulation. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900765.	7.6	51
9	Glassy carbon MEMS for novel origami-styled 3D integrated intracortical and epicortical neural probes. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 065009.	2.6	27
10	In Vivo Dopamine Detection and Single Unit Recordings Using Intracortical Glassy Carbon Microelectrode Arrays. <i>MRS Advances</i> , 2018, 3, 1629-1634.	0.9	31
11	Incorporation of Silicon Carbide and Diamond-Like Carbon as Adhesion Promoters Improves In Vitro and In Vivo Stability of Thin-Film Glassy Carbon Electro-cortigraphy Arrays. <i>Advanced Biology</i> , 2018, 2, 1700081.	3.0	24
12	Achieving Ultra-Conformability With Polyimide-Based ECoG Arrays. , 2018, 2018, 4464-4467.		8
13	Glassy Carbon Electro-cortigraphy Electrodes on Ultra-Thin and Finger-Like Polyimide Substrate: Performance Evaluation Based on Different Electrode Diameters. <i>Materials</i> , 2018, 11, 2486.	2.9	23
14	Single walled carbon nanohorns composite for neural sensing and stimulation. <i>Sensors and Actuators B: Chemical</i> , 2018, 271, 280-288.	7.8	26
15	Highly Stable Glassy Carbon Interfaces for Long-Term Neural Stimulation and Low-Noise Recording of Brain Activity. <i>Scientific Reports</i> , 2017, 7, 40332.	3.3	116
16	Improved long-term stability of thin-film glassy carbon electrodes through the use of silicon carbide and amorphous carbon. , 2017, , .		3
17	pHEMA Encapsulated PEDOT-PSS-CNT Microsphere Microelectrodes for Recording Single Unit Activity in the Brain. <i>Frontiers in Neuroscience</i> , 2016, 10, 151.	2.8	29