

Elena Zucchini

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

460
citations

840728

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h-index

1125717

13
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18
all docs

18
docs citations

18
times ranked

564
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Conformable polyimide-based $\frac{1}{4}$ ECoGs: Bringing the electrodes closer to the signal source. <i>Biomaterials</i> , 2020, 255, 120178.	11.4	58
3	Electrodeposited PEDOT:Nafion Composite for Neural Recording and Stimulation. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900765.	7.6	51
4	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
5	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
6	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
7	On the longevity of flexible neural interfaces: Establishing biostability of polyimide-based intracortical implants. <i>Biomaterials</i> , 2022, 281, 121372.	11.4	27
8	Single walled carbon nanohorns composite for neural sensing and stimulation. <i>Sensors and Actuators B: Chemical</i> , 2018, 271, 280-288.	7.8	26
9	Incorporation of Silicon Carbide and Diamond-Like Carbon as Adhesion Promoters Improves In Vitro and In Vivo Stability of Thin-Film Glassy Carbon Electrocorticography Arrays. <i>Advanced Biology</i> , 2018, 2, 1700081.	3.0	24
10	Glassy Carbon Electrocorticography 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
11	Flexible Bioelectronic Devices Based on Micropatterned Monolithic Carbon Fiber Mats. <i>Advanced Materials Technologies</i> , 2020, 5, 1900713.	5.8	21
12	Achieving Ultra-Conformability With Polyimide-Based ECoG Arrays. , 2018, 2018, 4464-4467.		8
13	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
14	Prediction of Speech Onset by Micro-Electrocorticography of the Human Brain. <i>International Journal of Neural Systems</i> , 2021, 31, 2150025.	5.2	6
15	Improved long-term stability of thin-film glassy carbon electrodes through the use of silicon carbide and amorphous carbon. , 2017, , .		3
16	Can Crosstalk Compromise the Recording of High-Frequency Neural Signals?. , 2019, , .		3
17	Flexible Bioelectronics: Flexible Bioelectronic Devices Based on Micropatterned Monolithic Carbon Fiber Mats (<i>Adv. Mater. Technol.</i> 2/2020). <i>Advanced Materials Technologies</i> , 2020, 5, 2070009.	5.8	0