

# Elena Zucchini

## List of Publications by Year in descending order

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

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17  
papers

460  
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840776  
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1125743  
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18  
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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. Biomaterials, 2022, 281, 121372.	11.4	27
2	A Novel Biasing Scheme of Electrolyte-Gated Organic Transistors for Safe In Vivo Amplification of Electrophysiological Signals. Advanced Materials Interfaces, 2022, 9, .	3.7	7
3	Prediction of Speech Onset by Micro-Electrocorticography of the Human Brain. International Journal of Neural Systems, 2021, 31, 2150025.	5.2	6
4	Flexible Bioelectronic Devices Based on Micropatterned Monolithic Carbon Fiber Mats. Advanced Materials Technologies, 2020, 5, 1900713.	5.8	21
5	Conformable polyimide-based $\frac{1}{4}$ ECoGs: Bringing the electrodes closer to the signal source. Biomaterials, 2020, 255, 120178.	11.4	58
6	Flexible Bioelectronics: Flexible Bioelectronic Devices Based on Micropatterned Monolithic Carbon Fiber Mats (Adv. Mater. Technol. 2/2020). Advanced Materials Technologies, 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. Advanced Healthcare Materials, 2019, 8, e1900765.	7.6	51
9	Glassy carbon MEMS for novel origami-styled 3D integrated intracortical and epicortical neural probes. Journal of Micromechanics and Microengineering, 2018, 28, 065009.	2.6	27
10	In Vivo Dopamine Detection and Single Unit Recordings Using Intracortical Glassy Carbon Microelectrode Arrays. MRS Advances, 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 Electrocorticography Arrays. Advanced Biology, 2018, 2, 1700081.	3.0	24
12	Achieving Ultra-Conformability With Polyimide-Based ECoG Arrays. , 2018, 2018, 4464-4467.		8
13	Glassy Carbon Electrocorticography Electrodes on Ultra-Thin and Finger-Like Polyimide Substrate: Performance Evaluation Based on Different Electrode Diameters. Materials, 2018, 11, 2486.	2.9	23
14	Single walled carbon nanohorns composite for neural sensing and stimulation. Sensors and Actuators B: Chemical, 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. Scientific Reports, 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. Frontiers in Neuroscience, 2016, 10, 151.	2.8	29