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List of Publications by Year in descending order

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17
papers

417
citations

933264

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887953

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all docs

17
docs citations

17
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoporous Gold as a Neural Interface Coating: Effects of Topography, Surface Chemistry, and Feature Size. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7093-7100.	4.0	123
2	Nanoporous Gold Biointerfaces: Modifying Nanostructure to Control Neural Cell Coverage and Enhance Electrophysiological Recording Performance. <i>Advanced Functional Materials</i> , 2017, 27, 1604631.	7.8	52
3	Actively controlled local drug delivery using conductive polymer-based devices. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	48
4	Model-based geometrical optimisation and in vivo validation of a spatially selective multielectrode cuff array for vagus nerve neuromodulation. <i>Journal of Neuroscience Methods</i> , 2021, 352, 109079.	1.3	42
5	Mind the gap: State-of-the-art technologies and applications for EEG-based brain-computer interfaces. <i>APL Bioengineering</i> , 2021, 5, 031507.	3.3	28
6	Electrode fabrication and interface optimization for imaging of evoked peripheral nervous system activity with electrical impedance tomography (EIT). <i>Journal of Neural Engineering</i> , 2019, 16, 016001.	1.8	23
7	Multifunctional Neural Interfaces for Closed-Loop Control of Neural Activity. <i>Advanced Functional Materials</i> , 2018, 28, 1703523.	7.8	22
8	Engineering on-chip nanoporous gold material libraries via precision photothermal treatment. <i>Nanoscale</i> , 2016, 8, 785-795.	2.8	19
9	Mechanisms of Reduced Astrocyte Surface Coverage in Cortical Neuron-Glia Co-cultures on Nanoporous Gold Surfaces. <i>Cellular and Molecular Bioengineering</i> , 2016, 9, 433-442.	1.0	16
10	Microfabrication of Nanoporous Gold Patterns for Cell-material Interaction Studies. <i>Journal of Visualized Experiments</i> , 2013, , e50678.	0.2	13
11	Nanostructure Introduces Artifacts in Quantitative Immunofluorescence by Influencing Fluorophore Intensity. <i>Scientific Reports</i> , 2017, 7, 427.	1.6	7
12	Substrate topography guides pore morphology evolution in nanoporous gold thin films. <i>Scripta Materialia</i> , 2016, 110, 33-36.	2.6	6
13	Optimisation of bioimpedance measurements of neuronal activity with an ex vivo preparation of Cancer pagurus peripheral nerves. <i>Journal of Neuroscience Methods</i> , 2019, 327, 108322.	1.3	6
14	Extracting impedance changes from a frequency multiplexed signal during neural activity in sciatic nerve of rat: preliminary study <i>in vitro</i> . <i>Physiological Measurement</i> , 2019, 40, 034006.	1.2	5
15	Utilizing dynamic laser speckle to probe nanoscale morphology evolution in nanoporous gold thin films. <i>Optics Express</i> , 2016, 24, 5323.	1.7	3
16	Neural Interfaces: Nanoporous Gold Biointerfaces: Modifying Nanostructure to Control Neural Cell Coverage and Enhance Electrophysiological Recording Performance (<i>Adv. Funct. Mater.</i> 3/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	7.8	2
17	Flexible Networks of Patterned Conducting Polymer Nanowires for Fully Polymeric Bioelectronics. <i>Advanced NanoBiomed Research</i> , 2022, 2, 2100102.	1.7	2