

Amir Shadmani

List of Publications by Year in descending order

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9
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1684188

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9
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662
citing authors

#	ARTICLE	IF	CITATIONS
1	A 1024-Channel CMOS Microelectrode Array With 26,400 Electrodes for Recording and Stimulation of Electrogenic Cells In Vitro. IEEE Journal of Solid-State Circuits, 2014, 49, 2705-2719.	5.4	196
2	<i>In Vitro</i> Multi-Functional Microelectrode Array Featuring 59 760 Electrodes, 2048 Electrophysiology Channels, Stimulation, Impedance Measurement, and Neurotransmitter Detection Channels. IEEE Journal of Solid-State Circuits, 2017, 52, 1576-1590.	5.4	152
3	Impedance Spectroscopy and Electrophysiological Imaging of Cells With a High-Density CMOS Microelectrode Array System. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 1356-1368.	4.0	46
4	22.8 Multi-functional microelectrode array system featuring 59,760 electrodes, 2048 electrophysiology channels, impedance and neurotransmitter measurement units. , 2016, 2016, 394-396.		40
5	Monolithic Integration of a Silicon Nanowire Field-Effect Transistors Array on a Complementary Metal-Oxide Semiconductor Chip for Biochemical Sensor Applications. Analytical Chemistry, 2015, 87, 9982-9990.	6.5	34
6	Stimulation and Artifact-Suppression Techniques for <i>In Vitro</i> High-Density Microelectrode Array Systems. IEEE Transactions on Biomedical Engineering, 2019, 66, 2481-2490.	4.2	13
7	2048 action potential recording channels with 2.4 $\hat{1}^{1/4}$ Vrms noise and stimulation artifact suppression. , 2016, 2016, 136-139.		7
8	High-density mapping of brain slices using a large multi-functional high-density CMOS microelectrode array system. , 2017, 2017, 135-138.		7
9	Microfluidic hanging-drop platform for parallel closed-loop multi-tissue experiments. , 2015, , .		1