Yihui Chen

List of Publications by Year
in descending order

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9	496	1684188 5	2053705 5
papers	citations	h-index	g-index

9	9	9	662
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stimulation and Artifact-Suppression Techniques for In Vitro High-Density Microelectrode Array Systems. IEEE Transactions on Biomedical Engineering, 2019, 66, 2481-2490.	4.2	13
2	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
3	<italic>In Vitro</italic> 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
4	High-density mapping of brain slices using a large multi-functional high-density CMOS microelectrode array system. , 2017, 2017, 135-138.		7
5	2048 action potential recording channels with 2.4 Î¼Vrms noise and stimulation artifact suppression. , 2016, 2016, 136-139.		7
6	22.8 Multi-functional microelectrode array system featuring 59,760 electrodes, 2048 electrophysiology channels, impedance and neurotransmitter measurement units. , 2016, 2016, 394-396.		40
7	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
8	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
9	Monolithic system featuring a gold nanowire array on a CMOS chip for biosensing applications. , 2012, , .		1