

Fully integrated silicon probes for high-density recording

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Neurons recorded en masse. <i>Nature</i> , 2017, 551, 172-173.	13.7	4
2	An International Laboratory for Systems and Computational Neuroscience. <i>Neuron</i> , 2017, 96, 1213-1218.	3.8	60
3	Local transformations of the hippocampal cognitive map. <i>Science</i> , 2018, 359, 1143-1146.	6.0	81
4	Talking to Cells: Semiconductor Nanomaterials at the Cellular Interface. <i>Advanced Biology</i> , 2018, 2, 1700242.	3.0	16
5	A Synchronous Neural Recording Platform for Multiple High-Resolution CMOS Probes and Passive Electrode Arrays. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2018, 12, 532-542.	2.7	19
6	Genetic Dissection of Neural Circuits: A Decade of Progress. <i>Neuron</i> , 2018, 98, 256-281.	3.8	374
7	Different Neuronal Activity Patterns Induce Different Gene Expression Programs. <i>Neuron</i> , 2018, 98, 530-546.e11.	3.8	262
8	A micro-CT-based method for quantitative brain lesion characterization and electrode localization. <i>Scientific Reports</i> , 2018, 8, 5184.	1.6	26
9	Evaluating the potential of using quantum dots for monitoring electrical signals in neurons. <i>Nature Nanotechnology</i> , 2018, 13, 278-288.	15.6	96
10	A nanofabricated optoelectronic probe for manipulating and recording neural dynamics. <i>Journal of Neural Engineering</i> , 2018, 15, 046008.	1.8	16
11	Challenges and opportunities for large-scale electrophysiology with Neuropixels probes. <i>Current Opinion in Neurobiology</i> , 2018, 50, 92-100.	2.0	244
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14	Mind Reading and Writing: The Future of Neurotechnology. <i>Trends in Cognitive Sciences</i> , 2018, 22, 598-610.	4.0	65
15	Low-Dimensional and Monotonic Preparatory Activity in Mouse Anterior Lateral Motor Cortex. <i>Journal of Neuroscience</i> , 2018, 38, 4163-4185.	1.7	83
16	Tissue-like Neural Probes for Understanding and Modulating the Brain. <i>Biochemistry</i> , 2018, 57, 3995-4004.	1.2	33
17	A Circuit for Integration of Head- and Visual-Motion Signals in Layer 6 of Mouse Primary Visual Cortex. <i>Neuron</i> , 2018, 98, 179-191.e6.	3.8	128
18	Multifunctional Fibers as Tools for Neuroscience and Neuroengineering. <i>Accounts of Chemical Research</i> , 2018, 51, 829-838.	7.6	70
19	Towards high-density recording of brain-wide neural activity. <i>Science China Materials</i> , 2018, 61, 432-434.	3.5	1

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21	A Lightweight Deep Compressive Model for Large-Scale Spike Compression. , 2018, , .		5
22	A Micro-CT-based Method for Characterizing Lesions and Locating Electrodes in Small Animal Brains. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	4
23	Real-Time Spike Sorting for Multi-Electrode Arrays with Online Independent Component Analysis. , 2018, , .		2
24	Investigation of the Stimulation Capabilities of a High-Resolution Neurorecording Probe for the Application of Closed-Loop Deep Brain Stimulation. , 2018, 2018, 2166-2169.		0
25	Neural interfaces based on amorphous silicon carbide ultramicroelectrode arrays. <i>Bioelectronics in Medicine</i> , 2018, 1, 185-200.	2.0	8
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