

Andrea Bonaccini Calia

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

415
citations

1040056

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1372567

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11
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11
docs citations

11
times ranked

602
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution mapping of infraslow cortical brain activity enabled by graphene microtransistors. Nature Materials, 2019, 18, 280-288.	27.5	121
2	Flexible Graphene Solution-gated Field-effect Transistors: Efficient Transducers for Micro-electrocorticography. Advanced Functional Materials, 2018, 28, 1703976.	14.9	97
3	Flexible graphene transistors for recording cell action potentials. 2D Materials, 2016, 3, 025007.	4.4	53
4	Full-bandwidth electrophysiology of seizures and epileptiform activity enabled by flexible graphene microtransistor depth neural probes. Nature Nanotechnology, 2022, 17, 301-309.	31.5	49
5	Impact of contact overlap on transconductance and noise in organic electrochemical transistors. Flexible and Printed Electronics, 2019, 4, 044003.	2.7	30
6	Improved metal-graphene contacts for low-noise, high-density microtransistor arrays for neural sensing. Carbon, 2020, 161, 647-655.	10.3	19
7	Velocity Saturation Effect on Low Frequency Noise in Short Channel Single Layer Graphene Field Effect Transistors. ACS Applied Electronic Materials, 2019, 1, 2626-2636.	4.3	16
8	Effect of channel thickness on noise in organic electrochemical transistors. Applied Physics Letters, 2020, 117, .	3.3	14
9	Characterization of optogenetically-induced cortical spreading depression in awake mice using graphene micro-transistor arrays. Journal of Neural Engineering, 2021, 18, 055002.	3.5	13
10	Bias dependent variability of low-frequency noise in single-layer graphene FETs. Nanoscale Advances, 2020, 2, 5450-5460.	4.6	3