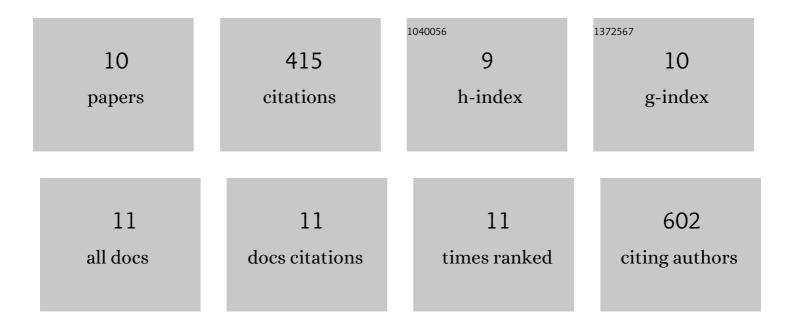
## Andrea Bonaccini Calia

List of Publications by Year in descending order

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| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | 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        |
| 2  | 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        |
| 3  | Effect of channel thickness on noise in organic electrochemical transistors. Applied Physics Letters, 2020, 117, .   | 3.3  | 14        |
| 4  | Bias dependent variability of low-frequency noise in single-layer graphene FETs. Nanoscale Advances,<br>2020, 2, 5450-5460.  | 4.6  | 3         |
| 5  | Improved metal-graphene contacts for low-noise, high-density microtransistor arrays for neural sensing. Carbon, 2020, 161, 647-655.  | 10.3 | 19        |
| 6  | Impact of contact overlap on transconductance and noise in organic electrochemical transistors.<br>Flexible and Printed Electronics, 2019, 4, 044003.                              | 2.7  | 30        |
| 7  | Velocity Saturation Effect on Low Frequency Noise in Short Channel Single Layer Graphene Field<br>Effect Transistors. ACS Applied Electronic Materials, 2019, 1, 2626-2636.        | 4.3  | 16        |
| 8  | High-resolution mapping of infraslow cortical brain activity enabled by graphene microtransistors.<br>Nature Materials, 2019, 18, 280-288.   | 27.5 | 121       |
| 9  | Flexible Graphene Solutionâ€Gated Fieldâ€Effect Transistors: Efficient Transducers for<br>Microâ€Electrocorticography. Advanced Functional Materials, 2018, 28, 1703976.           | 14.9 | 97        |
| 10 | Flexible graphene transistors for recording cell action potentials. 2D Materials, 2016, 3, 025007.   | 4.4  | 53        |