

# Leonardo Vicarelli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3086604/publications.pdf>

Version: 2024-02-01

16  
papers

2,809  
citations

1307594

7  
h-index

1281871

11  
g-index

18  
all docs

18  
docs citations

18  
times ranked

5812  
citing authors

#	ARTICLE	IF	CITATIONS
1	Micromechanical Bolometers for Subterahertz Detection at Room Temperature. ACS Photonics, 2022, 9, 360-367.	6.6	17
2	Continuous wave vertical emission from terahertz microcavity lasers with a dual injection scheme. Optics Express, 2021, 29, 33602.	3.4	0
3	High-Frequency Mechanical Excitation of a Silicon Nanostring with Piezoelectric Aluminum Nitride Layers. Physical Review Applied, 2020, 14, .	3.8	9
4	Designing Reliable Operando TEM Experiments to Study (De)lithiation Mechanism of Battery Electrodes. Journal of the Electrochemical Society, 2019, 166, A3384-A3386.	2.9	2
5	Single Electron Precision in the Measurement of Charge Distributions on Electrically Biased Graphene Nanotips Using Electron Holography. Nano Letters, 2019, 19, 4091-4096.	9.1	4
6	Development of graphene-based ionizing radiation sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 666-668.	1.6	2
7	Probing DNA Translocations with Inplane Current Signals in a Graphene Nanoribbon with a Nanopore. ACS Nano, 2018, 12, 2623-2633.	14.6	98
8	Through-membrane electron-beam lithography for ultrathin membrane applications. Applied Physics Letters, 2017, 111, .	3.3	11
9	1/f noise in graphene nanopores. Nanotechnology, 2015, 26, 074001.	2.6	100
10	Controlling Defects in Graphene for Optimizing the Electrical Properties of Graphene Nanodevices. ACS Nano, 2015, 9, 3428-3435.	14.6	220
11	Isolation and characterization of few-layer black phosphorus. 2D Materials, 2014, 1, 025001.	4.4	1,411
12	Fast, sensitive and low-noise nanowire and graphene field effect transistors for room-temperature detection of Terahertz quantum cascade laser emission. , 2013, , .		1
13	Terahertz rectification by graphene field effect transistors. , 2012, , .		0
14	Graphene field-effect transistors as room-temperature terahertz detectors. Nature Materials, 2012, 11, 865-871.	27.5	931
15	Nanowire and graphene architectures for Room Temperature THz detection. , 2012, , .		0
16	Mechanical Mode Engineering with Orthotropic Metamaterial Membranes. Advanced Materials Technologies, 0, , 2200337.	5.8	3