

# Paola Barbara

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,290  
citations

567281

15  
h-index

713466

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

2499  
citing authors

#	ARTICLE	IF	CITATIONS
1	Abrikosov vortex corrections to effective magnetic field enhancement in epitaxial graphene. Physical Review B, 2021, 104, .	3.2	1
2	Nanostructured graphene for nanoscale electron paramagnetic resonance spectroscopy. JPhys Materials, 2020, 3, 014013.	4.2	11
3	Effect of defect-induced cooling on graphene hot-electron bolometers. Carbon, 2019, 154, 497-502.	10.3	15
4	Ambient effects on photogating in MoS <sub>2</sub> photodetectors. Nanotechnology, 2019, 30, 284004.	2.6	36
5	Ultra-broadband photodetectors based on epitaxial graphene quantum dots. Nanophotonics, 2018, 7, 735-740.	6.0	28
6	Highly sensitive MoS <sub>2</sub> photodetectors with graphene contacts. Nanotechnology, 2018, 29, 20LT01.	2.6	38
7	Epitaxial graphene quantum dots for high-performance terahertz bolometers. Nature Nanotechnology, 2016, 11, 335-338.	31.5	116
8	Low Carrier Density Epitaxial Graphene Devices On SiC. Small, 2015, 11, 90-95.	10.0	59
9	Understanding the electrical response and sensing mechanism of carbon-nanotube-based gas sensors. Carbon, 2015, 87, 330-337.	10.3	46
10	Indium Tin Oxide Nanowire Networks as Effective UV/Vis Photodetection Platforms. Journal of Physical Chemistry C, 2015, 119, 14483-14489.	3.1	22
11	Gas sensing mechanism of carbon nanotubes: From single tubes to high-density networks. Carbon, 2014, 69, 417-423.	10.3	92
12	Influence of argon on field emission from CVD-grown in-plane single-walled carbon nanotube meshes. , 2013, , .		0
13	Electron-hole transport and photovoltaic effect in gated MoS <sub>2</sub> Schottky junctions. Scientific Reports, 2013, 3, 1634.	3.3	447
14	The search for superconductivity at van Hove singularities in carbon nanotubes. Superconductor Science and Technology, 2012, 25, 124005.	3.5	15
15	Novel In-Situ Decoration of Single-Walled Carbon Nanotube Transistors with Metal Nanoparticles. Journal of Nanoscience and Nanotechnology, 2010, 10, 3890-3894.	0.9	5
16	Electrical properties and memory effects of field-effect transistors from networks of single- and double-walled carbon nanotubes. Nanotechnology, 2010, 21, 115204.	2.6	56
17	Origins of $\frac{1}{2}$ noise in individual semiconducting carbon nanotube field-effect transistors. Physical Review B, 2008, 77, .	3.2	45
18	Magnetically Induced Field Effect in Carbon Nanotube Devices. Nano Letters, 2007, 7, 960-964.	9.1	62

#	ARTICLE	IF	CITATIONS
19	Probing nanotube-based ambipolar FET by magnetic field. AIP Conference Proceedings, 2007, , .	0.4	0
20	Mechanism of NO <sub>2</sub> detection in carbon nanotube field effect transistor chemical sensors. Applied Physics Letters, 2006, 88, 123112.	3.3	158
21	A photolithographic process for fabrication of devices with isolated single-walled carbon nanotubes. Nanotechnology, 2004, 15, 1475-1478.	2.6	33
22	Fabrication and properties of vertically stacked Nb/Al AlO <sub>x</sub> /Nb Josephson tunnel junctions. Cryogenics, 1994, 34, 895-898.	1.7	2
23	Subharmonic self-locking of a Josephson soliton oscillator coupled to a resonator. Physica D: Nonlinear Phenomena, 1993, 68, 35-37.	2.8	0
24	Coupling of a Josephson soliton oscillator to coplanar and microstrip cavities. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 165, 241-244.	2.1	5