

Paola Barbara

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9168856/publications.pdf>

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	Electron-hole transport and photovoltaic effect in gated MoS ₂ Schottky junctions. Scientific Reports, 2013, 3, 1634.	3.3	447
2	Mechanism of NO ₂ detection in carbon nanotube field effect transistor chemical sensors. Applied Physics Letters, 2006, 88, 123112.	3.3	158
3	Epitaxial graphene quantum dots for high-performance terahertz bolometers. Nature Nanotechnology, 2016, 11, 335-338.	31.5	116
4	Gas sensing mechanism of carbon nanotubes: From single tubes to high-density networks. Carbon, 2014, 69, 417-423.	10.3	92
5	Magnetically Induced Field Effect in Carbon Nanotube Devices. Nano Letters, 2007, 7, 960-964.	9.1	62
6	Low Carrier Density Epitaxial Graphene Devices On SiC. Small, 2015, 11, 90-95.	10.0	59
7	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
8	Understanding the electrical response and sensing mechanism of carbon-nanotube-based gas sensors. Carbon, 2015, 87, 330-337.	10.3	46
9	Origins of $1/f$ noise in individual semiconducting carbon nanotube field-effect transistors. Physical Review B, 2008, 77, .		
10	Highly sensitive MoS ₂ photodetectors with graphene contacts. Nanotechnology, 2018, 29, 20LT01.	2.6	38
11	Ambient effects on photogating in MoS ₂ photodetectors. Nanotechnology, 2019, 30, 284004.	2.6	36
12	A photolithographic process for fabrication of devices with isolated single-walled carbon nanotubes. Nanotechnology, 2004, 15, 1475-1478.	2.6	33
13	Ultra-broadband photodetectors based on epitaxial graphene quantum dots. Nanophotonics, 2018, 7, 735-740.	6.0	28
14	Indium Tin Oxide Nanowire Networks as Effective UV/Vis Photodetection Platforms. Journal of Physical Chemistry C, 2015, 119, 14483-14489.	3.1	22
15	The search for superconductivity at van Hove singularities in carbon nanotubes. Superconductor Science and Technology, 2012, 25, 124005.	3.5	15
16	Effect of defect-induced cooling on graphene hot-electron bolometers. Carbon, 2019, 154, 497-502.	10.3	15
17	Nanostructured graphene for nanoscale electron paramagnetic resonance spectroscopy. JPhys Materials, 2020, 3, 014013.	4.2	11
18	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

#	ARTICLE	IF	CITATIONS
19	Novel <I>In-Situ</I> Decoration of Single-Walled Carbon Nanotube Transistors with Metal Nanoparticles. Journal of Nanoscience and Nanotechnology, 2010, 10, 3890-3894.	0.9	5
20	Fabrication and properties of vertically stacked Nb/Al AlO ₂ /Nb Josephson tunnel junctions. Cryogenics, 1994, 34, 895-898.	1.7	2
21	Abrikosov vortex corrections to effective magnetic field enhancement in epitaxial graphene. Physical Review B, 2021, 104, .	3.2	1
22	Subharmonic self-locking of a Josephson soliton oscillator coupled to a resonator. Physica D: Nonlinear Phenomena, 1993, 68, 35-37.	2.8	0
23	Probing nanotube-based ambipolar FET by magnetic field. AIP Conference Proceedings, 2007, , .	0.4	0
24	Influence of argon on field emission from CVD-grown in-plane single-walled carbon nanotube meshes. , 2013, , .		0