

Antonio Lombardo

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

12,731
citations

172457

29
h-index

345221

36
g-index

40
all docs

40
docs citations

40
times ranked

19253
citing authors

#	ARTICLE	IF	CITATIONS
1	High-sensitivity narrow-band CSRR-based Microwave Sensor for Monitoring Glucose Level. , 2022, , .		1
2	Graphene for Biosensing Applications in Point-of-Care Testing. Trends in Biotechnology, 2021, 39, 1065-1077.	9.3	54
3	Screen-printed and spray coated graphene-based RFID transponders. 2D Materials, 2020, 7, 015019.	4.4	12
4	Localized Nanoresonator Mode in Plasmonic Microcavities. Physical Review Letters, 2020, 124, 093901.	7.8	8
5	HBN-Encapsulated, Graphene-based, Room-temperature Terahertz Receivers, with High Speed and Low Noise. Nano Letters, 2020, 20, 3169-3177.	9.1	67
6	High-Mobility, Wet-Transferred Graphene Grown by Chemical Vapor Deposition. ACS Nano, 2019, 13, 8926-8935.	14.6	132
7	Graphene/Polyelectrolyte Layer-by-Layer Coatings for Electromagnetic Interference Shielding. ACS Applied Nano Materials, 2019, 2, 5272-5281.	5.0	40
8	A Peeling Approach for Integrated Manufacturing of Large Monolayer h-BN Crystals. ACS Nano, 2019, 13, 2114-2126.	14.6	35
9	Cleaning interfaces in layered materials heterostructures. Nature Communications, 2018, 9, 5387.	12.8	272
10	Tetrahedral amorphous carbon resistive memories with graphene-based electrodes. 2D Materials, 2018, 5, 045028.	4.4	9
11	Raman Radiation Patterns of Graphene. ACS Nano, 2016, 10, 1756-1763.	14.6	48
12	Ultrafast pseudospin dynamics in graphene. Physical Review B, 2015, 92, .	3.2	48
13	Anomalous low-temperature Coulomb drag in graphene-GaAs heterostructures. Nature Communications, 2014, 5, 5824.	12.8	84
14	Enhanced performance of polymer:fullerene bulk heterojunction solar cells upon graphene addition. Applied Physics Letters, 2014, 105, .	3.3	52
15	Effects of electron-electron interactions on the electronic Raman scattering of graphite in high magnetic fields. Physical Review B, 2014, 89, .	3.2	5
16	NIR silicon Schottky photodetector: From metal to graphene. , 2014, , .		1
17	Controlling Subnanometer Gaps in Plasmonic Dimers Using Graphene. Nano Letters, 2013, 13, 5033-5038.	9.1	210
18	Electroluminescence in Single Layer MoS ₂ . Nano Letters, 2013, 13, 1416-1421.	9.1	905

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19	Ultrafast collinear scattering and carrier multiplication in graphene. Nature Communications, 2013, 4, 1987.	12.8	446
20	Measurement of Filling-Factor-Dependent Magnetophonon Resonances in Graphene Using Raman Spectroscopy. Physical Review Letters, 2013, 110, 227402.	7.8	28
21	Ultrafast non-thermal electron dynamics in single layer graphene. , 2013, , .		0
22	Magnetophonon resonance in graphite: High-field Raman measurements and electron-phonon coupling contributions. Physical Review B, 2012, 85, .	3.2	32
23	Graphene field-effect transistors as room-temperature terahertz detectors. Nature Materials, 2012, 11, 865-871.	27.5	931
24	Light-matter interaction in a microcavity-controlled graphene transistor. Nature Communications, 2012, 3, 906.	12.8	355
25	Production and processing of graphene and 2d crystals. Materials Today, 2012, 15, 564-589.	14.2	866
26	The shear mode of multilayer graphene. Nature Materials, 2012, 11, 294-300.	27.5	568
27	Inkjet-Printed Graphene Electronics. ACS Nano, 2012, 6, 2992-3006.	14.6	1,018
28	Self-Aligned Coupled Nanowire Transistor. ACS Nano, 2011, 5, 6910-6915.	14.6	12
29	Non-linear photoluminescence from graphene. , 2011, , .		0
30	Strong plasmonic enhancement of photovoltage in graphene. Nature Communications, 2011, 2, 458.	12.8	775
31	Quantifying Defects in Graphene via Raman Spectroscopy at Different Excitation Energies. Nano Letters, 2011, 11, 3190-3196.	9.1	2,807
32	Atomic force microscope nanolithography of graphene: Cuts, pseudocuts, and tip current measurements. Applied Physics Letters, 2011, 98, .	3.3	38
33	Tilted potential induced coupling of localized states in a graphene nanoconstriction. Physical Review B, 2011, 83, .	3.2	30
34	Scanning gate microscopy of current-annealed single layer graphene. Applied Physics Letters, 2010, 96, .	3.3	46
35	Surface-Enhanced Raman Spectroscopy of Graphene. ACS Nano, 2010, 4, 5617-5626.	14.6	433
36	Fabrication of graphene nanoribbons via nanowire lithography. Physica Status Solidi (B): Basic Research, 2009, 246, 2514-2517.	1.5	29

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37	Making Graphene Luminescent by Oxygen Plasma Treatment. ACS Nano, 2009, 3, 3963-3968.	14.6	587
38	Dielectrophoretic Assembly of High-Density Arrays of Individual Graphene Devices for Rapid Screening. ACS Nano, 2009, 3, 1729-1734.	14.6	76
39	Uniaxial strain in graphene by Raman spectroscopy: G peak splitting, G Raman parameters, and sample orientation. Physical Review B, 2009, 79, .	3.2	1,662
40	Electronic transport characterization of Sc@C82 single-wall carbon nanotube peapods. Journal of Applied Physics, 2008, 104, 083717.	2.5	9