Antonio Lombardo

List of Publications by Year
in descending order

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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	Quantifying Defects in Graphene via Raman Spectroscopy at Different Excitation Energies. Nano Letters, 2011, 11, 3190-3196.	9.1	2,807
2	Uniaxial strain in graphene by Raman spectroscopy:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>G</mml:mi></mml:math>peak splitting, GrÃ¼neisen parameters, and sample orientation. Physical Review B, 2009, 79, .	3.2	1,662
3	Inkjet-Printed Graphene Electronics. ACS Nano, 2012, 6, 2992-3006.	14.6	1,018
4	Graphene field-effect transistors as room-temperature terahertz detectors. Nature Materials, 2012, 11, 865-871.	27.5	931
5	Electroluminescence in Single Layer MoS₂. Nano Letters, 2013, 13, 1416-1421.	9.1	905
6	Production and processing of graphene and 2d crystals. Materials Today, 2012, 15, 564-589.	14.2	866
7	Strong plasmonic enhancement of photovoltage in graphene. Nature Communications, 2011, 2, 458.	12.8	775
8	Making Graphene Luminescent by Oxygen Plasma Treatment. ACS Nano, 2009, 3, 3963-3968.	14.6	587
9	The shear mode of multilayer graphene. Nature Materials, 2012, 11, 294-300.	27.5	568
10	Ultrafast collinear scattering and carrier multiplication in graphene. Nature Communications, 2013, 4, 1987.	12.8	446
11	Surface-Enhanced Raman Spectroscopy of Graphene. ACS Nano, 2010, 4, 5617-5626.	14.6	433
12	Lightâ€“matter interaction in a microcavity-controlled graphene transistor. Nature Communications, 2012, 3, 906.	12.8	355
13	Cleaning interfaces in layered materials heterostructures. Nature Communications, 2018, 9, 5387.	12.8	272
14	Controlling Subnanometer Gaps in Plasmonic Dimers Using Graphene. Nano Letters, 2013, 13, 5033-5038.	9.1	210
15	High-Mobility, Wet-Transferred Graphene Grown by Chemical Vapor Deposition. ACS Nano, 2019, 13, 8926-8935.	14.6	132
16	Anomalous low-temperature Coulomb drag in graphene-GaAs heterostructures. Nature Communications, 2014, 5, 5824.	12.8	84
17	Dielectrophoretic Assembly of High-Density Arrays of Individual Graphene Devices for Rapid Screening. ACS Nano, 2009, 3, 1729-1734.	14.6	76
18	HBN-Encapsulated, Graphene-based, Room-temperature Terahertz Receivers, with High Speed and Low Noise. Nano Letters, 2020, 20, 3169-3177.	9.1	67

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19	Graphene for Biosensing Applications in Point-of-Care Testing. Trends in Biotechnology, 2021, 39, 1065-1077.	9.3	54
20	Enhanced performance of polymer:fullerene bulk heterojunction solar cells upon graphene addition. Applied Physics Letters, 2014, 105, .	3.3	52
21	Ultrafast pseudospin dynamics in graphene. Physical Review B, 2015, 92, .	3.2	48
22	Raman Radiation Patterns of Graphene. ACS Nano, 2016, 10, 1756-1763.	14.6	48
23	Scanning gate microscopy of current-annealed single layer graphene. Applied Physics Letters, 2010, 96, .	3.3	46
24	Graphene/Polyelectrolyte Layer-by-Layer Coatings for Electromagnetic Interference Shielding. ACS Applied Nano Materials, 2019, 2, 5272-5281.	5.0	40
25	Atomic force microscope nanolithography of graphene: Cuts, pseudocuts, and tip current measurements. Applied Physics Letters, 2011, 98, .	3.3	38
26	A Peeling Approach for Integrated Manufacturing of Large Monolayer h-BN Crystals. ACS Nano, 2019, 13, 2114-2126.	14.6	35
27	Magnetophonon resonance in graphite: High-field Raman measurements and electron-phonon coupling contributions. Physical Review B, 2012, 85, .	3.2	32
28	Tilted potential induced coupling of localized states in a graphene nanoconstriction. Physical Review B, 2011, 83, .	3.2	30
29	Fabrication of graphene nanoribbons via nanowire lithography. Physica Status Solidi (B): Basic Research, 2009, 246, 2514-2517.	1.5	29
30	Measurement of Filling-Factor-Dependent Magnetophonon Resonances in Graphene Using Raman Spectroscopy. Physical Review Letters, 2013, 110, 227402.	7.8	28
31	Self-Aligned Coupled Nanowire Transistor. ACS Nano, 2011, 5, 6910-6915.	14.6	12
32	Screen-printed and spray coated graphene-based RFID transponders. 2D Materials, 2020, 7, 015019.	4.4	12
33	Electronic transport characterization of Sc@C82 single-wall carbon nanotube peapods. Journal of Applied Physics, 2008, 104, 083717.	2.5	9
34	Tetrahedral amorphous carbon resistive memories with graphene-based electrodes. 2D Materials, 2018, 5, 045028.	4.4	9
35	Localized Nanoresonator Mode in Plasmonic Microcavities. Physical Review Letters, 2020, 124, 093901.	7.8	8
36	Effects of electron-electron interactions on the electronic Raman scattering of graphite in high magnetic fields. Physical Review B, 2014, 89, .	3.2	5

#	Article	IF	Citations
37	NIR silicon Schottky photodetector: From metal to graphene. , 2014, , .		1
38	High-sensitivity narrow-band CSRR-based Microwave Sensor for Monitoring Glucose Level. , 2022, , .		1
39	Non-linear photoluminescence from graphene. , 2011, , .		0
40	Ultrafast non-thermal electron dynamics in single layer graphene. , 2013, , .		0