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List of Publications by Year
in descending order

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40 papers	1,947 citations	361413 20 h-index	302126 39 g-index
40 all docs	40 docs citations	40 times ranked	2825 citing authors

#	Article	IF	Citations
1	Chirality Distribution and Transition Energies of Carbon Nanotubes. Physical Review Letters, 2004, 93, 177401.	7.8	339
2	Radial breathing mode of single-walled carbon nanotubes: Optical transition energies and chiral-index assignment. Physical Review B, 2005, 72, .	3.2	323
3	Acetylene: A Key Growth Precursor for Single-Walled Carbon Nanotube Forests. Journal of Physical Chemistry C, 2009, 113, 17321-17325.	3.1	120
4	Strength of radial breathing mode in single-walled carbon nanotubes. Physical Review B, 2005, 71, .	3.2	109
5	Efficient transport of tropospheric aerosol into the stratosphere via the Asian summer monsoon anticyclone. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6972-6977.	7.1	106
6	Recent developments in the photophysics of single-walled carbon nanotubes for their use as active and passive material elements in thin film photovoltaics. Physical Chemistry Chemical Physics, 2013, 15, 14896.	2.8	102
7	Chiral Index Dependence of the G⁺ and G^{â€“} Raman Modes in Semiconducting Carbon Nanotubes. ACS Nano, 2012, 6, 904-911.	14.6	85
8	A light-weight, high-sensitivity particle spectrometer for PM2.5 aerosol measurements. Aerosol Science and Technology, 2016, 50, 88-99.	3.1	71
9	Longitudinal Optical Phonons in Metallic and Semiconducting Carbon Nanotubes. Physical Review Letters, 2009, 102, 075501.	7.8	61
10	Persistent Stratospheric Warming Due to 2019â€“2020 Australian Wildfire Smoke. Geophysical Research Letters, 2021, 48, e2021GL092609.	4.0	58
11	Growth and characterization of high-density mats of single-walled carbon nanotubes for interconnects. Applied Physics Letters, 2008, 93, 163111.	3.3	55
12	Use of carbon nanotubes for VLSI interconnects. Diamond and Related Materials, 2009, 18, 957-962.	3.9	54
13	A Birdâ€™s-Eye View: Development of an Operational ARM Unmanned Aerial Capability for Atmospheric Research in Arctic Alaska. Bulletin of the American Meteorological Society, 2018, 99, 1197-1212.	3.3	46
14	Excitonic resonances in WS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>nanotubes. Physical Review B, 2012, 86, .	3.2	45
15	Resonant-Raman intensities and transition energies of theE11transition in carbon nanotubes. Physical Review B, 2006, 74, .	3.2	36
16	Ultrafast Generation of Fundamental and Multiple-Order Phonon Excitations in Highly Enriched (6,5) Single-Wall Carbon Nanotubes. Nano Letters, 2014, 14, 1426-1432.	9.1	31
17	G^{â€“} and G⁺ in the Raman spectrum of isolated nanotube: a study on resonance conditions and lineshape. Physica Status Solidi (B): Basic Research, 2008, 245, 2189-2192.	1.5	28
18	The Pilatus unmanned aircraft system for lower atmospheric research. Atmospheric Measurement Techniques, 2016, 9, 1845-1857.	3.1	28

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19	Assessing the vertical structure of Arctic aerosols using balloon-borne measurements. Atmospheric Chemistry and Physics, 2021, 21, 1737-1757.	4.9	25
20	Asymmetric excitation profiles in the resonance Raman response of armchair carbon nanotubes. Physical Review B, 2015, 91, .	3.2	24
21	Observation of excitonic effects in metallic single-walled carbon nanotubes. Physical Review B, 2010, 82, .	3.2	20
22	Quantum Interference between the Third and Fourth Exciton States in Semiconducting Carbon Nanotubes Using Resonance Raman Spectroscopy. Physical Review Letters, 2012, 108, 117404.	7.8	20
23	Dielectric screening effects on transition energies in aligned carbon nanotubes. Physical Review B, 2012, 85, .	3.2	17
24	A practical set of miniaturized instruments for vertical profiling of aerosol physical properties. Aerosol Science and Technology, 2017, 51, 715-723.	3.1	16
25	Resonance Raman signature of intertube excitons in compositionally-defined carbon nanotube bundles. Nature Communications, 2018, 9, 637.	12.8	16
26	Cathodoluminescence Efficiency Dependence on Excitation Density in n-Type Gallium Nitride. Microscopy and Microanalysis, 2003, 9, 144-151.	0.4	15
27	Chirality assignments in carbon nanotubes based on resonant Raman scattering. Physica Status Solidi (B): Basic Research, 2005, 242, 1802-1806.	1.5	15
28	Resonance behavior of the defect-induced Raman mode of single-chirality enriched carbon nanotubes. Physical Review B, 2013, 87, .	3.2	15
29	Carbon nanotubes for interconnects in VLSI integrated circuits. Physica Status Solidi (B): Basic Research, 2008, 245, 2303-2307.	1.5	11
30	Performance Assessment of Portable Optical Particle Spectrometer (POPS). Sensors, 2020, 20, 6294.	3.8	11
31	Persistent Waterâ€“Nitric Acid Condensate with Saturation Water Vapor Pressure Greater than That of Hexagonal Ice. Journal of Physical Chemistry A, 2016, 120, 1431-1440.	2.5	9
32	Raman intensities of the radial-breathing mode in carbon nanotubes: the exciton-phonon coupling as a function of (n1, n2). Journal of Nanophotonics, 2010, 4, 041660.	1.0	7
33	First and second optical transitions in singleâ€walled carbon nanotubes: a resonant Raman study. Physica Status Solidi (B): Basic Research, 2007, 244, 4006-4010.	1.5	6
34	Raman intensities of the first optical transitions in carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3181-3185.	1.5	5
35	Diameter dependence of TO phonon frequencies and the Kohn anomaly in armchair single-wall carbon nanotubes. Physical Review B, 2014, 90, .	3.2	5
36	A miniature scanning sun photometer for vertical profiles and mobile platforms. Aerosol Science and Technology, 2016, 50, 11-16.	3.1	5

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37	Processes contributing to cloud dissipation and formation events on the North Slope of Alaska. Atmospheric Chemistry and Physics, 2021, 21, 4149-4167.	4.9	3
38	A Novel Networkâ€Based Approach to Determining Measurement Representation Error for Model Evaluation of Aerosol Microphysical Properties. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	3
39	A Closure Study of Total Scattering Using Airborne In Situ Measurements from the Winter Phase of TCAP. Atmosphere, 2018, 9, 228.	2.3	2
40	Temperature dependent band gap behavior and excitons in metallic carbon nanotubes. Physica Status Solidi (B): Basic Research, 2010, 247, 3006-3009.	1.5	0