Paillet Matthieu

List of Publications by Year
in descending order

26 papers	731 citations	567281 15 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	1284 citing authors

#	Article	IF	Citations
1	Direct measurement of the absolute absorption spectrum of individual semiconducting single-wall carbon nanotubes. Nature Communications, 2013, 4, 2542.	12.8	92
2	Raman Active Phonons of Identified Semiconducting Single-Walled Carbon Nanotubes. Physical Review Letters, 2006, 96, 257401.	7.8	74
3	Reversible optical doping of graphene. Scientific Reports, 2013, 3, 2355.	3.3	74
4	Graphene and related 2D materials: An overview of the Raman studies. Journal of Raman Spectroscopy, 2018, 49, 8-12.	2.5	63
5	Experimental Evidence of a Mechanical Coupling between Layers in an Individual Double-Walled Carbon Nanotube. Nano Letters, 2011, 11, 4800-4804.	9.1	62
6	Dependence of the Raman spectrum characteristics on the number of layers and stacking orientation in few-layer graphene. Physica Status Solidi (B): Basic Research, 2015, 252, 2375-2379.	1.5	44
7	E33andE44optical transitions in semiconducting single-walled carbon nanotubes: Electron diffraction and Raman experiments. Physical Review B, 2007, 75, .	3.2	42
8	Accurate determination of the chiral indices of individual carbon nanotubes by combining electron diffraction and Resonant Raman spectroscopy. Carbon, 2017, 114, 141-159.	10.3	35
9	<i>In Situ</i> Raman Probing of Graphene over a Broad Doping Range upon Rubidium Vapor Exposure. ACS Nano, 2013, 7, 165-173.	14.6	30
10	Direct Evidence of Atomic Structure Conservation Along Ultra-Long Carbon Nanotubes. Journal of Physical Chemistry C, 2012, 116, 14103-14107.	3.1	28
11	Determining the number of layers in fewâ€layer graphene by combining Raman spectroscopy and optical contrast. Journal of Raman Spectroscopy, 2018, 49, 36-45.	2.5	28
12	Photoluminescence from an individual double-walled carbon nanotube. Physical Review B, 2017, 96, .	3.2	22
13	Interlayer Dependence of G-Modes in Semiconducting Double-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2015, 119, 23196-23202.	3.1	21
14	Synthesis of individual ultra-long carbon nanotubes and transfer to other substrates. Journal of Experimental Nanoscience, 2011, 6, 547-556.	2.4	20
15	Excitonic optical transitions characterized by Raman excitation profiles in single-walled carbon nanotubes. Physical Review B, 2016, 94, .	3.2	18
16	Modified Brewster angle on conducting 2D materials. 2D Materials, 2018, 5, 025007.	4.4	13
17	Probing the structure of singleâ€walled carbon nanotubes by resonant Raman scattering. Physica Status Solidi (B): Basic Research, 2010, 247, 2762-2767.	1.5	11
18	Computational study of the shift of the G band of double-walled carbon nanotubes due to interlayer interactions. Physical Review B, 2018, 97, .	3.2	10

#	ARTICLE	IF	CITATIONS
19	Restoring self-limited growth of single-layer graphene on copper foil via backside coating. Nanoscale, 2019, 11, 5094-5101.	5.6	10
20	Quantum interference effects on the intensity of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>G</mml:mi></mml:mrow></mml:math> modes in double-walled carbon nanotubes. Physical Review B, 2017, 95, .	3.2	9
21	Interlayer Interaction Effects on the G Modes in Doubleâ€Walled Carbon Nanotubes With Different Electronic Configurations. Physica Status Solidi (B): Basic Research, 2017, 254, 1700251.	1.5	9
22	International interlaboratory comparison of Raman spectroscopic analysis of CVD-grown graphene. 2D Materials, 2022, 9, 035010.	4.4	7
23	Intrinsic phonon properties of double-walled carbon nanotubes. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2017, 8, 015018.	1.5	4
24	Optically active cross-band transition in double-walled carbon nanotube and its impact on Raman resonances. Carbon, 2022, 196, 950-960.	10.3	3
25	Design and synthesis of aniline-appended P3HT for single step covalent functionalisation of carbon nanotubes. Polymer Chemistry, 2020, 11, 6319-6327.	3.9	2
26	Synthesis of a Poly(3-dodecylthiophene) Bearing Aniline Groups for the Covalent Functionalization of Carbon Nanotubes. Reactions, 2021, 2, 473-485.	2.1	0