

# Paillet Matthieu

## List of Publications by Year in descending order

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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	International interlaboratory comparison of Raman spectroscopic analysis of CVD-grown graphene. 2D Materials, 2022, 9, 035010.	4.4	7
2	Optically active cross-band transition in double-walled carbon nanotube and its impact on Raman resonances. Carbon, 2022, 196, 950-960.	10.3	3
3	Synthesis of a Poly(3-dodecylthiophene) Bearing Aniline Groups for the Covalent Functionalization of Carbon Nanotubes. Reactions, 2021, 2, 473-485.	2.1	0
4	Design and synthesis of aniline-appended P3HT for single step covalent functionalisation of carbon nanotubes. Polymer Chemistry, 2020, 11, 6319-6327.	3.9	2
5	Restoring self-limited growth of single-layer graphene on copper foil via backside coating. Nanoscale, 2019, 11, 5094-5101.	5.6	10
6	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
7	Graphene and related 2D materials: An overview of the Raman studies. Journal of Raman Spectroscopy, 2018, 49, 8-12.	2.5	63
8	Modified Brewster angle on conducting 2D materials. 2D Materials, 2018, 5, 025007.	4.4	13
9	Determining the number of layers in few-layer graphene by combining Raman spectroscopy and optical contrast. Journal of Raman Spectroscopy, 2018, 49, 36-45.	2.5	28
10	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
11	Quantum interference effects on the intensity of the $G$ modes in double-walled carbon nanotubes. Physical Review B, 2017, 95, .	3.2	9
12	Interlayer Interaction Effects on the G Modes in Double-Walled Carbon Nanotubes With Different Electronic Configurations. Physica Status Solidi (B): Basic Research, 2017, 254, 1700251.	1.5	9
13	Photoluminescence from an individual double-walled carbon nanotube. Physical Review B, 2017, 96, .	3.2	22
14	Intrinsic phonon properties of double-walled carbon nanotubes. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2017, 8, 015018.	1.5	4
15	Excitonic optical transitions characterized by Raman excitation profiles in single-walled carbon nanotubes. Physical Review B, 2016, 94, .	3.2	18
16	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
17	Interlayer Dependence of G-Modes in Semiconducting Double-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2015, 119, 23196-23202.	3.1	21
18	Reversible optical doping of graphene. Scientific Reports, 2013, 3, 2355.	3.3	74

#	ARTICLE	IF	CITATIONS
19	Direct measurement of the absolute absorption spectrum of individual semiconducting single-wall carbon nanotubes. <i>Nature Communications</i> , 2013, 4, 2542.	12.8	92
20	<i>In Situ</i> Raman Probing of Graphene over a Broad Doping Range upon Rubidium Vapor Exposure. <i>ACS Nano</i> , 2013, 7, 165-173.	14.6	30
21	Direct Evidence of Atomic Structure Conservation Along Ultra-Long Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14103-14107.	3.1	28
22	Experimental Evidence of a Mechanical Coupling between Layers in an Individual Double-Walled Carbon Nanotube. <i>Nano Letters</i> , 2011, 11, 4800-4804.	9.1	62
23	Synthesis of individual ultra-long carbon nanotubes and transfer to other substrates. <i>Journal of Experimental Nanoscience</i> , 2011, 6, 547-556.	2.4	20
24	Probing the structure of single-walled carbon nanotubes by resonant Raman scattering. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2762-2767.	1.5	11
25	E33 and E44 optical transitions in semiconducting single-walled carbon nanotubes: Electron diffraction and Raman experiments. <i>Physical Review B</i> , 2007, 75, .	3.2	42
26	Raman Active Phonons of Identified Semiconducting Single-Walled Carbon Nanotubes. <i>Physical Review Letters</i> , 2006, 96, 257401.	7.8	74