

# Marcus V O Moutinho

## List of Publications by Year in descending order

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16  
papers

5,560  
citations

758635

12  
h-index

996533

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

9214  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying Defects in Graphene via Raman Spectroscopy at Different Excitation Energies. Nano Letters, 2011, 11, 3190-3196.	4.5	2,807
2	Quantifying ion-induced defects and Raman relaxation length in graphene. Carbon, 2010, 48, 1592-1597.	5.4	1,443
3	Evolution of the Raman spectra from single-, few-, and many-layer graphene with increasing disorder. Physical Review B, 2010, 82, .	1.1	606
4	Measuring disorder in graphene with the G and D bands. Physica Status Solidi (B): Basic Research, 2010, 247, 2980-2982.	0.7	190
5	Resonance effects on the Raman spectra of graphene superlattices. Physical Review B, 2013, 88, .	1.1	128
6	Raman study of ion-induced defects in <i>N</i> -layer graphene. Journal of Physics Condensed Matter, 2010, 22, 334204.	0.7	110
7	Intralayer and interlayer electron-phonon interactions in twisted graphene heterostructures. Nature Communications, 2018, 9, 1221.	5.8	93
8	Electron-Hole Interaction in Carbon Nanotubes: Novel Screening and Exciton Excitation Spectra. Nano Letters, 2009, 9, 1330-1334.	4.5	64
9	Pressure-induced Anderson-Mott transition in elemental tellurium. Communications Materials, 2021, 2, .	2.9	37
10	Electronic structure and optical properties of twisted multilayer graphene. Physical Review B, 2018, 98, .	1.1	23
11	Raman excitation profile of the $G$ band in single-chirality carbon nanotubes. Physical Review B, 2014, 89, .	1.1	17
12	Sodium-Mediated Low-Temperature Synthesis of Monolayers of Molybdenum Disulfide for Nanoscale Optoelectronic Devices. ACS Applied Nano Materials, 2021, 4, 4172-4180.	2.4	14
13	The double-resonance Raman spectra in single-chirality (n, m) carbon nanotubes. Carbon, 2017, 117, 41-45.	5.4	13
14	Raman Spectroscopy of Twisted Bilayer Graphene. Journal of Carbon Research, 2021, 7, 10.	1.4	9
15	Angle-tunable intersubband photoabsorption and enhanced photobleaching in twisted bilayer graphene. Nano Research, 2021, 14, 2797-2804.	5.8	6
16	Photoinduced Intersubband Absorption and Enhanced Photobleaching in Twisted Bilayer Graphene. , 2021, , .		0