Leandro M Malard

List of Publications by Year
in descending order

18	1,287	687363 13	839539 18
papers	citations	h-index	g-index

18	18	18	2488
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Observation of intense second harmonic generation from MoS<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>atomic crystals. Physical Review B, 2013, 87, .	3.2	566
2	Determination of LA and TO phonon dispersion relations of graphene near the Dirac point by double resonance Raman scattering. Physical Review B, 2007, 76, .	3.2	168
3	Group-theory analysis of electrons and phonons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi></mml:math>-layer graphene systems. Physical Review B, 2009, 79, .	3.2	154
4	Comparative Study of Raman Spectroscopy in Graphene and MoS₂-type Transition Metal Dichalcogenides. Accounts of Chemical Research, 2015, 48, 41-47.	15.6	143
5	Resonance Raman study of polyynes encapsulated in single-wall carbon nanotubes. Physical Review B, 2007, 76, .	3.2	51
6	Nonlinear Dark-Field Imaging of One-Dimensional Defects in Monolayer Dichalcogenides. Nano Letters, 2020, 20, 284-291.	9.1	34
7	Studying 2D materials with advanced Raman spectroscopy: CARS, SRS and TERS. Physical Chemistry Chemical Physics, 2021, 23, 23428-23444.	2.8	26
8	Second- and third-order optical susceptibilities across excitons states in 2D monolayer transition metal dichalcogenides. 2D Materials, 2021, 8, 035010.	4.4	24
9	Anomalous Nonlinear Optical Response of Graphene Near Phonon Resonances. Nano Letters, 2017, 17, 3447-3451.	9.1	23
10	Gate-tunable non-volatile photomemory effect in MoS ₂ transistors. 2D Materials, 2019, 6, 025036.	4.4	17
11	Second harmonic generation in defective hexagonal boron nitride. Journal of Physics Condensed Matter, 2020, 32, 19LT01.	1.8	17
12	Electronic properties of bilayer graphene probed by Resonance Raman Scattering. Physica Status Solidi (B): Basic Research, 2008, 245, 2060-2063.	1.5	16
13	A fingerprint of amyloid plaques in a bitransgenic animal model of Alzheimer's disease obtained by statistical unmixing analysis of hyperspectral Raman data. Analyst, The, 2019, 144, 7049-7056.	3.5	14
14	Nonlinear and vibrational microscopy for label-free characterization of amyloid-Î² plaques in Alzheimer's disease model. Analyst, The, 2021, 146, 2945-2954.	3.5	11
15	Revealing atomically sharp interfaces of two-dimensional lateral heterostructures by second harmonic generation. 2D Materials, 2021, 8, 035051.	4.4	9
16	Local photodoping in monolayer MoS₂. Nanotechnology, 2020, 31, 255701.	2.6	7
17	Micro-Raman spectroscopy of lipid halo and dense-core amyloid plaques: aging process characterization in the Alzheimer's disease APPswePS1Î”E9 mouse model. Analyst, The, 2021, 146, 6014-6025.	3.5	4
18	Hot carrier transport limits the displacive excitation of coherent phonons in bismuth. Applied Physics Letters, 2021, 119, .	3.3	3