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	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
2	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
3	Second- and third-order optical susceptibilities across excitons states in 2D monolayer transition metal dichalcogenides. 2D Materials, 2021, 8, 035010.	4.4	24
4	Revealing atomically sharp interfaces of two-dimensional lateral heterostructures by second harmonic generation. 2D Materials, 2021, 8, 035051.	4.4	9
5	Hot carrier transport limits the displacive excitation of coherent phonons in bismuth. Applied Physics Letters, 2021, 119, .	3.3	3
6	Studying 2D materials with advanced Raman spectroscopy: CARS, SRS and TERS. Physical Chemistry Chemical Physics, 2021, 23, 23428-23444.	2.8	26
7	Nonlinear Dark-Field Imaging of One-Dimensional Defects in Monolayer Dichalcogenides. Nano Letters, 2020, 20, 284-291.	9.1	34
8	Second harmonic generation in defective hexagonal boron nitride. Journal of Physics Condensed Matter, 2020, 32, 19LT01.	1.8	17
9	Local photodoping in monolayer MoS₂. Nanotechnology, 2020, 31, 255701.	2.6	7
10	Gate-tunable non-volatile photomemory effect in MoS ₂ transistors. 2D Materials, 2019, 6, 025036.	4.4	17
11	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
12	Anomalous Nonlinear Optical Response of Graphene Near Phonon Resonances. Nano Letters, 2017, 17, 3447-3451.	9.1	23
13	Comparative Study of Raman Spectroscopy in Graphene and MoS₂-type Transition Metal Dichalcogenides. Accounts of Chemical Research, 2015, 48, 41-47.	15.6	143
14	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
15	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
16	Electronic properties of bilayer graphene probed by Resonance Raman Scattering. Physica Status Solidi (B): Basic Research, 2008, 245, 2060-2063.	1.5	16
17	Resonance Raman study of polyynes encapsulated in single-wall carbon nanotubes. Physical Review B, 2007, 76, .	3.2	51
18	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