

# Victor Carozo

## List of Publications by Year in descending order

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27  
papers

1,146  
citations

623574

14  
h-index

580701

25  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2429  
citing authors

#	ARTICLE	IF	CITATIONS
1	CVD growth and optical characterization of homo and heterobilayer TMDs. Journal of Applied Physics, 2022, 132, .	1.1	7
2	Growth and Raman spectroscopy of ultrathin ZnO(0001) films on Ag(001). Surface Science, 2021, 704, 121748.	0.8	11
3	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
4	Quantification and Healing of Defects in Atomically Thin Molybdenum Disulfide: Beyond the Controlled Creation of Atomic Defects. ACS Nano, 2021, 15, 9658-9669.	7.3	37
5	Etching-Free Transfer and Nanoimaging of CVD-Grown MoS <sub>2</sub> Monolayers. Journal of Physical Chemistry C, 2021, 125, 21011-21017.	1.5	2
6	Structural, optical and catalytic properties of ZnO-SiO <sub>2</sub> colored powders with the visible light-driven activity. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 421, 113532.	2.0	6
7	Temperature- and power-dependent phonon properties of suspended few layers of tungsten diselenide. Vibrational Spectroscopy, 2020, 111, 103169.	1.2	10
8	Dynamics of cleaning, passivating and doping monolayer MoS <sub>2</sub> by controlled laser irradiation. 2D Materials, 2019, 6, 045031.	2.0	40
9	Synthesis and Characterization of MoS <sub>2</sub> /WS <sub>2</sub> Heterostructures by Second Harmonic Generation. , 2019, , .		0
10	Raman spectroscopy revealing noble gas adsorption on single-walled carbon nanotube bundles. Carbon, 2018, 127, 312-319.	5.4	26
11	Probing the interaction of noble gases with pristine and nitrogen-doped graphene through Raman spectroscopy. Physical Review B, 2018, 97, .	1.1	7
12	Excitonic processes in atomically-thin MoSe <sub>2</sub> /MoS <sub>2</sub> vertical heterostructures. 2D Materials, 2018, 5, 031016.	2.0	12
13	Optical identification of sulfur vacancies: Bound excitons at the edges of monolayer tungsten disulfide. Science Advances, 2017, 3, e1602813.	4.7	213
14	Aligned carbon nanotube/zinc oxide nanowire hybrids as high performance electrodes for supercapacitor applications. Journal of Applied Physics, 2017, 121, .	1.1	35
15	Distinct photoluminescence and Raman spectroscopy signatures for identifying highly crystalline WS <sub>2</sub> monolayers produced by different growth methods. Journal of Materials Research, 2016, 31, 931-944.	1.2	95
16	Fabrication and characterization of ultraviolet photosensors from ZnO nanowires prepared using chemical bath deposition method. Journal of Applied Physics, 2016, 119, 084306.	1.1	33
17	High flex cycle testing of CVD monolayer WS <sub>2</sub> TFTs on thin flexible polyimide. 2D Materials, 2016, 3, 021008.	2.0	28
18	Effect of underlying boron nitride thickness on photocurrent response in molybdenum disulfide - boron nitride heterostructures. Journal of Materials Research, 2016, 31, 893-899.	1.2	11

#	ARTICLE	IF	CITATIONS
19	Facile synthesis of MoS <sub>2</sub> and Mo <sub>x</sub> W <sub>1-x</sub> S <sub>2</sub> triangular monolayers. APL Materials, 2014, 2, .	2.2	93
20	Enhancement of open-circuit voltage on organic photovoltaic devices by Al-doped TiO <sub>2</sub> modifying layer produced by sol-gel method. Thin Solid Films, 2014, 572, 2-7.	0.8	8
21	Elastomer composite based on EPDM reinforced with polyaniline coated curauí fibers prepared by mechanical mixing. Journal of Applied Polymer Science, 2014, 131, .	1.3	7
22	Resonance effects on the Raman spectra of graphene superlattices. Physical Review B, 2013, 88, .	1.1	128
23	The role of interference and polarization effects in the optical visualization of carbon nanotubes. Journal of Applied Physics, 2013, 113, 084314.	1.1	0
24	The use of a Ga <sup>+</sup> focused ion beam to modify graphene for device applications. Nanotechnology, 2012, 23, 255305.	1.3	46
25	Raman Signature of Graphene Superlattices. Nano Letters, 2011, 11, 4527-4534.	4.5	234
26	Identification of graphene crystallographic orientation by atomic force microscopy. Journal of Applied Physics, 2011, 110, 086101.	1.1	18
27	ENTANGLEMENT IN THE DYNAMICAL EVOLUTION OF COMPOSITE FERMIONIC SYSTEMS. International Journal of Quantum Information, 2008, 06, 379-391.	0.6	23