

# Victor Carozo

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Raman Signature of Graphene Superlattices. Nano Letters, 2011, 11, 4527-4534.	4.5	234
2	Optical identification of sulfur vacancies: Bound excitons at the edges of monolayer tungsten disulfide. Science Advances, 2017, 3, e1602813.	4.7	213
3	Resonance effects on the Raman spectra of graphene superlattices. Physical Review B, 2013, 88, .	1.1	128
4	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
5	Facile synthesis of MoS <sub>2</sub> and MoxW1-xS2 triangular monolayers. APL Materials, 2014, 2, .	2.2	93
6	The use of a Ga <sup>+</sup> focused ion beam to modify graphene for device applications. Nanotechnology, 2012, 23, 255305.	1.3	46
7	Dynamics of cleaning, passivating and doping monolayer MoS <sub>2</sub> by controlled laser irradiation. 2D Materials, 2019, 6, 045031.	2.0	40
8	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
9	Aligned carbon nanotube/zinc oxide nanowire hybrids as high performance electrodes for supercapacitor applications. Journal of Applied Physics, 2017, 121, .	1.1	35
10	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
11	High flex cycle testing of CVD monolayer WS <sub>2</sub> TFTs on thin flexible polyimide. 2D Materials, 2016, 3, 021008.	2.0	28
12	Raman spectroscopy revealing noble gas adsorption on single-walled carbon nanotube bundles. Carbon, 2018, 127, 312-319.	5.4	26
13	ENTANGLEMENT IN THE DYNAMICAL EVOLUTION OF COMPOSITE FERMIONIC SYSTEMS. International Journal of Quantum Information, 2008, 06, 379-391.	0.6	23
14	Identification of graphene crystallographic orientation by atomic force microscopy. Journal of Applied Physics, 2011, 110, 086101.	1.1	18
15	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
16	Excitonic processes in atomically-thin MoSe <sub>2</sub> /MoS <sub>2</sub> vertical heterostructures. 2D Materials, 2018, 5, 031016.	2.0	12
17	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
18	Growth and Raman spectroscopy of ultrathin ZnO(0001) films on Ag(001). Surface Science, 2021, 704, 121748.	0.8	11

#	ARTICLE	IF	CITATIONS
19	Temperature- and power-dependent phonon properties of suspended few layers of tungsten diselenide. <i>Vibrational Spectroscopy</i> , 2020, 111, 103169.	1.2	10
20	Enhancement of open-circuit voltage on organic photovoltaic devices by Al-doped TiO <sub>2</sub> modifying layer produced by sol-gel method. <i>Thin Solid Films</i> , 2014, 572, 2-7.	0.8	8
21	Elastomer composite based on EPDM reinforced with polyaniline coated curau fibers prepared by mechanical mixing. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	7
22	Probing the interaction of noble gases with pristine and nitrogen-doped graphene through Raman spectroscopy. <i>Physical Review B</i> , 2018, 97, .	1.1	7
23	CVD growth and optical characterization of homo and heterobilayer TMDs. <i>Journal of Applied Physics</i> , 2022, 132, .	1.1	7
24	Structural, optical and catalytic properties of ZnO-SiO <sub>2</sub> colored powders with the visible light-driven activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 421, 113532.	2.0	6
25	Etching-Free Transfer and Nanoimaging of CVD-Grown MoS <sub>2</sub> Monolayers. <i>Journal of Physical Chemistry C</i> , 2021, 125, 21011-21017.	1.5	2
26	The role of interference and polarization effects in the optical visualization of carbon nanotubes. <i>Journal of Applied Physics</i> , 2013, 113, 084314.	1.1	0
27	Synthesis and Characterization of MoS <sub>2</sub> /WS <sub>2</sub> Heterostructures by Second Harmonic Generation. , 2019, , .		0