

Henrique BÃ¼cker Ribeiro

List of Publications by Year in descending order

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26
papers

1,374
citations

623734

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642732

23
g-index

26
all docs

26
docs citations

26
times ranked

2610
citing authors

#	ARTICLE	IF	CITATIONS
1	Unusual Angular Dependence of the Raman Response in Black Phosphorus. ACS Nano, 2015, 9, 4270-4276.	14.6	301
2	Quantifying carbon-nanotube species with resonance Raman scattering. Physical Review B, 2005, 72, .	3.2	153
3	Optical characterization of DNA-wrapped carbon nanotube hybrids. Chemical Physics Letters, 2004, 397, 296-301.	2.6	129
4	Raman spectroscopy in black phosphorus. Journal of Raman Spectroscopy, 2018, 49, 76-90.	2.5	115
5	Phonon-Assisted Excitonic Recombination Channels Observed in DNA-Wrapped Carbon Nanotubes Using Photoluminescence Spectroscopy. Physical Review Letters, 2005, 94, 127402.	7.8	110
6	Direct Experimental Evidence of Exciton-Phonon Bound States in Carbon Nanotubes. Physical Review Letters, 2005, 95, 247401.	7.8	101
7	Intralayer and interlayer electron-phonon interactions in twisted graphene heterostructures. Nature Communications, 2018, 9, 1221.	12.8	93
8	Oxidized Multiwalled Carbon Nanotubes as Antigen Delivery System to Promote Superior CD8 ⁺ T Cell Response and Protection against Cancer. Nano Letters, 2014, 14, 5458-5470.	9.1	92
9	Edge phonons in black phosphorus. Nature Communications, 2016, 7, 12191.	12.8	70
10	Origin of van Hove singularities in twisted bilayer graphene. Carbon, 2015, 90, 138-145.	10.3	33
11	Femtosecond Nonlinear Optical Properties of 2D Metallic NbS ₂ in the Near Infrared. Journal of Physical Chemistry C, 2020, 124, 15425-15433.	3.1	27
12	Optical study of porphyrin-doped carbon nanotubes. Chemical Physics Letters, 2008, 462, 109-111.	2.6	26
13	Edge phonons in layered orthorhombic GeS and GeSe monochalcogenides. Physical Review B, 2019, 100, .	3.2	22
14	Micromechanical exfoliation of two-dimensional materials by a polymeric stamp. Materials Research Express, 2016, 3, 025303.	1.6	15
15	Polarized Raman spectroscopy in low-symmetry 2D materials: angle-resolved experiments and complex number tensor elements. Physical Chemistry Chemical Physics, 2021, 23, 27103-27123.	2.8	14
16	Femtosecond nonlinear refraction of 2D semi-metallic redox exfoliated ZrTe ₂ at 800 nm. Applied Physics Letters, 2021, 118, .	3.3	13
17	About the blue and green colours in natural fluorapatite. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 720-723.	0.8	12
18	Doping behavior of single-walled carbon nanotubes with differently charged porphyrins. Carbon, 2010, 48, 377-379.	10.3	10

#	ARTICLE	IF	CITATIONS
19	Raman Excitation Profile of the G-band Enhancement in Twisted Bilayer Graphene. Brazilian Journal of Physics, 2017, 47, 589-593.	1.4	9
20	QR code micro-certified gemstones: femtosecond writing and Raman characterization in Diamond, Ruby and Sapphire. Scientific Reports, 2019, 9, 8927.	3.3	9
21	Measuring the electronic properties of single-walled carbon nanotubes with adsorbed porphyrins using optical transitions. Journal of Porphyrins and Phthalocyanines, 2010, 14, 885-890.	0.8	7
22	Long-term environmental stability of nitrogen-healed black phosphorus. Applied Surface Science, 2021, 564, 150450.	6.1	7
23	Visible Out-of-plane Polarized Luminescence and Electronic Resonance in Black Phosphorus. Nano Letters, 2022, , .	9.1	5
24	Nonlinear Absorption and Optical Limiting Effect in Redox Exfoliated Layered Transition Metal Dichalcogenides. , 2018, , .		1
25	Spectroscopy of small diameter single-wall carbon nanotubes. AIP Conference Proceedings, 2005, , .	0.4	0
26	PHOTOLUMINESCENCE AND PHOTOLUMINESCENCE EXCITATION SPECTROSCOPY OF SEMICONDUCTING SINGLE WALL CARBON NANOTUBES. International Journal of Modern Physics B, 2009, 23, 2676-2677.	2.0	0