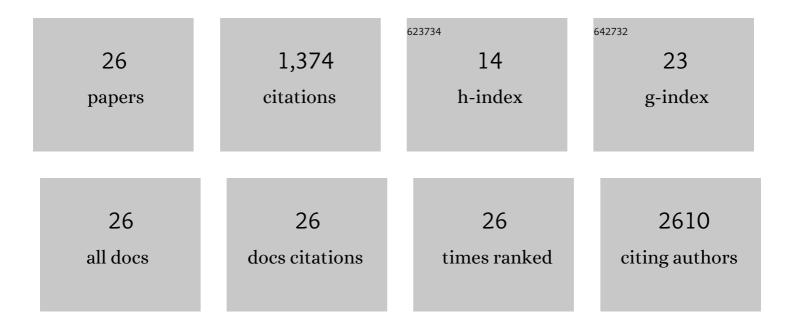
## Henrique Bücker Ribeiro

List of Publications by Year in descending order

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| #  | 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<br>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<br>Letters, 2005, 95, 247401.   | 7.8  | 101       |
| 7  | Intralayer and interlayer electron–phonon interactions in twisted graphene heterostructures.<br>Nature Communications, 2018, 9, 1221.  | 12.8 | 93        |
| 8  | Oxidized Multiwalled Carbon Nanotubes as Antigen Delivery System to Promote Superior<br>CD8 <sup>+</sup> 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 <sub>2</sub> in the Near Infrared.<br>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<br>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 ZrTe2 at 800 nm. Applied<br>Physics Letters, 2021, 118, .  | 3.3  | 13        |
| 17 | About the blue and green colours in natural fluorapatite. Physica Status Solidi C: Current Topics in<br>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<br>Physics, 2017, 47, 589-593.   | 1.4 | 9         |
| 20 | QR code micro-certified gemstones: femtosecond writing and Raman characterization in Diamond,<br>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<br>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         |