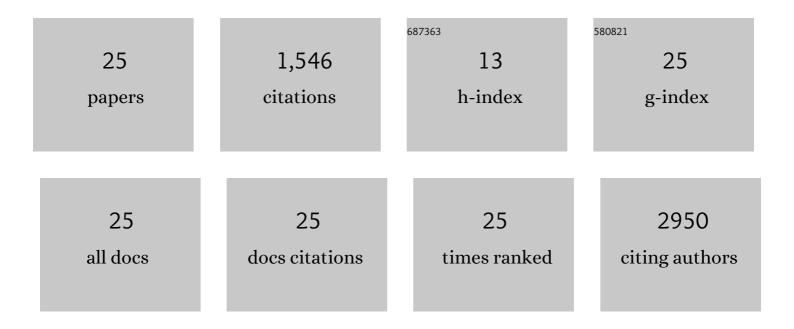
Jairo Velasco

List of Publications by Year in descending order

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INDO VELASCO

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Ultrasharp Lateral p–n Junctions in Modulation-Doped Graphene. Nano Letters, 2022, 22, 4124-4130. | 9.1 | 12 |
| 2 | Gate-Tunable Magnetism and Giant Magnetoresistance in Suspended Rhombohedral-Stacked Few-Layer Graphene. Nano Letters, 2022, 22, 5094-5099. | 9.1 | 12 |
| 3 | Sublattice Dependence and Gate Tunability of Midgap and Resonant States Induced by Native Dopants in Bernal-Stacked Bilayer Graphene. Physical Review Letters, 2021, 127, 106401. | 7.8 | 4 |
| 4 | Direct Visualization of Native Defects in Graphite and Their Effect on the Electronic Properties of Bernal-Stacked Bilayer Graphene. Nano Letters, 2021, 21, 7100-7108. | 9.1 | 13 |
| 5 | Control of Giant Topological Magnetic Moment and Valley Splitting in Trilayer Graphene. Physical Review Letters, 2021, 127, 136402. | 7.8 | 14 |
| 6 | Surface states and quasiparticle interference in Bernal and rhombohedral graphite with and without trigonal warping. Physical Review B, 2021, 104, . | 3.2 | 4 |
| 7 | Imaging Quantum Interference in Stadium-Shaped Monolayer and Bilayer Graphene Quantum Dots. Nano Letters, 2021, 21, 8993-8998. | 9.1 | 7 |
| 8 | Quasiparticle interference patterns in bilayer graphene with trigonal warping. Physical Review B, 2021, 104, . | 3.2 | 6 |
| 9 | Visualization and Manipulation of Bilayer Graphene Quantum Dots with Broken Rotational Symmetry and Nontrivial Topology. Nano Letters, 2020, 20, 8682-8688. | 9.1 | 20 |
| 10 | Comprehensive Electrostatic Modeling of Exposed Quantum Dots in Graphene/Hexagonal Boron Nitride Heterostructures. Nanomaterials, 2020, 10, 1154. | 4.1 | 5 |
| 11 | Persistent and reversible electrostatic control of doping in graphene/hexagonal boron nitride heterostructures. Journal of Applied Physics, 2020, 127, 044303. | 2.5 | 8 |
| 12 | Determination of the trigonal warping orientation in Bernal-stacked bilayer graphene via scanning tunneling microscopy. Physical Review B, 2020, 101, . | 3.2 | 16 |
| 13 | Probing the electronic structure of graphene near and far from the Fermi level via planar tunneling spectroscopy. Applied Physics Letters, 2019, 115, 163504. | 3.3 | 2 |
| 14 | Nanospot angle-resolved photoemission study of Bernal-stacked bilayer graphene on hexagonal boron nitride: Band structure and local variation of lattice alignment. Physical Review B, 2019, 99, . | 3.2 | 13 |
| 15 | Visualizing the Effect of an Electrostatic Gate with Angle-Resolved Photoemission Spectroscopy. Nano Letters, 2019, 19, 2682-2687. | 9.1 | 32 |
| 16 | Nanowrinkled Carbon Aerogels Embedded with FeNx Sites as Effective Oxygen Electrodes for Rechargeable Zinc-Air Battery. Research, 2019, 2019, 6813585. | 5.7 | 29 |
| 17 | Visualization and Control of Single-Electron Charging in Bilayer Graphene Quantum Dots. Nano Letters, 2018, 18, 5104-5110. | 9.1 | 41 |
| 18 | Molecular Arrangement and Charge Transfer in C ₆₀ /Graphene Heterostructures. ACS Nano, 2017, 11, 4686-4693. | 14.6 | 60 |

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Imaging electrostatically confined Dirac fermions in graphene quantum dots. Nature Physics, 2016, 12, 1032-1036. | 16.7 | 176 |
| 20 | Nanoscale Control of Rewriteable Doping Patterns in Pristine Graphene/Boron Nitride Heterostructures. Nano Letters, 2016, 16, 1620-1625. | 9.1 | 60 |
| 21 | Topological valley transport at bilayer graphene domain walls. Nature, 2015, 520, 650-655. | 27.8 | 502 |
| 22 | Characterization and manipulation of individual defects in insulating hexagonal boron nitride using scanning tunnelling microscopy. Nature Nanotechnology, 2015, 10, 949-953. | 31.5 | 192 |
| 23 | Direct Growth of Single- and Few-Layer MoS ₂ on h-BN with Preferred Relative Rotation Angles. Nano Letters, 2015, 15, 6324-6331. | 9.1 | 172 |
| 24 | Evidence for a spontaneous gapped state in ultraclean bilayer graphene. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10802-10805. | 7.1 | 107 |
| 25 | Quantum Transport and Field-Induced Insulating States in Bilayer Graphene pnp Junctions. Nano Letters, 2010, 10, 4000-4004. | 9.1 | 39 |