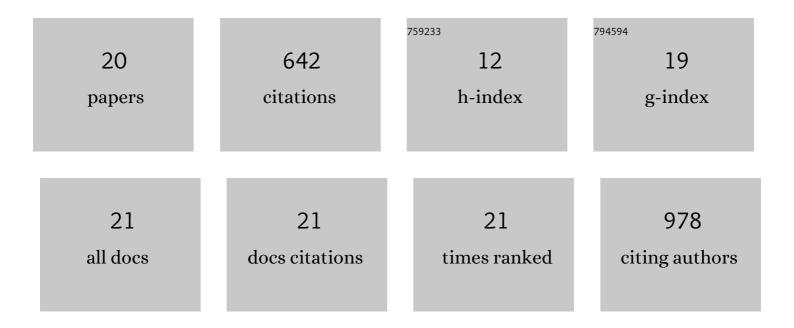
Mario F Borunda

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Optimization of a Pb-free all-perovskite tandem solar cell with 30.85% efficiency. Optical Materials, 2022, 123, 111891. | 3.6 | 18 |
| 2 | Optimization of the U parameter in CoO groupings in ZnO (101Â ⁻ 0) and (112Â ⁻ 0) surfaces: A DFT+U and UPS study. Computational Materials Science, 2021, 198, 110700. | 3.0 | 2 |
| 3 | Transportation of topological spin textures at material boundaries. Journal of Magnetism and Magnetic Materials, 2021, 536, 168088. | 2.3 | 1 |
| 4 | Influence of cobalt doping on residual stress in ZnO nanorods. Materials Science in Semiconductor Processing, 2018, 84, 131-137. | 4.0 | 28 |
| 5 | Torsional Potential Energy Surfaces of Dinitrobenzene Isomers. Advances in Condensed Matter Physics, 2017, 2017, 1-7. | 1.1 | 1 |
| 6 | Initial-state dependence of a quantum resonance ratchet. Physical Review A, 2016, 94, . | 2.5 | 18 |
| 7 | Theory of Graphene Raman Scattering. ACS Nano, 2016, 10, 2803-2818. | 14.6 | 94 |
| 8 | Effects of structural variations on the optical and electronic properties of eumelanin-inspired small molecules. Journal of Materials Chemistry C, 2016, 4, 3995-3999. | 5.5 | 10 |
| 9 | Revealing the flux: Using processed Husimi maps to visualize dynamics of bound systems and mesoscopic transport. Physical Review B, 2015, 91, . | 3.2 | 4 |
| 10 | Intrinsic Defects, Fluctuations of the Local Shape, and the Photo-Oxidation of Black Phosphorus. ACS Central Science, 2015, 1, 320-327. | 11.3 | 67 |
| 11 | Ballistic versus diffusive transport in graphene. Physical Review B, 2013, 88, . | 3.2 | 16 |
| 12 | Semiclassical deconstruction of quantum states in graphene. Physical Review B, 2013, 88, . | 3.2 | 9 |
| 13 | Quantum flux and reverse engineering of quantum wave functions. Europhysics Letters, 2013, 102, 60005. | 2.0 | 5 |
| 14 | Optimal local control of coherent dynamics in custom-made nanostructures. Physical Review B, 2013, 87, . | 3.2 | 14 |
| 15 | Imaging Universal Conductance Fluctuations in Graphene. ACS Nano, 2011, 5, 3622-3627. | 14.6 | 18 |
| 16 | Imaging coherent transport in graphene (part I): mapping universal conductance fluctuations. Nanotechnology, 2010, 21, 274013. | 2.6 | 60 |
| 17 | Effect of Induced Spin-Orbit Coupling for Atoms via Laser Fields. Physical Review Letters, 2009, 102, 046402. | 7.8 | 164 |
| 18 | Absence of Skew Scattering in Two-Dimensional Systems: Testing the Origins of the Anomalous Hall Effect. Physical Review Letters, 2007, 99, 066604. | 7.8 | 37 |

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Anomalous Hall effect in a two-dimensional electron gas. Physical Review B, 2007, 76, . | 3.2 | 76 |
| 20 | Alpha Particle Induced X-ray Emission in the Classroom. AIP Conference Proceedings, 2003, , . | 0.4 | 0 |