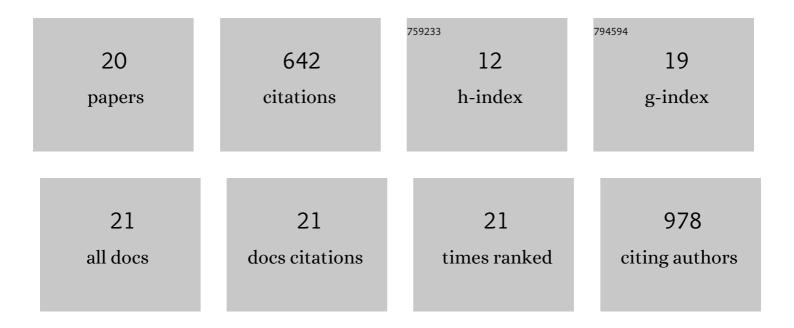
## Mario F Borunda

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 <sup>-</sup> 0) and (112Â <sup>-</sup> 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