

Mario F Borunda

List of Publications by Year in descending order

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papers

642
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759233

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all docs

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times ranked

978
citing authors

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