

Mario F Borunda

List of Publications by Year in descending order

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20
papers

642
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759233

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794594

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21
docs citations

21
times ranked

978
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Induced Spin-Orbit Coupling for Atoms via Laser Fields. <i>Physical Review Letters</i> , 2009, 102, 046402.	7.8	164
2	Theory of Graphene Raman Scattering. <i>ACS Nano</i> , 2016, 10, 2803-2818.	14.6	94
3	Anomalous Hall effect in a two-dimensional electron gas. <i>Physical Review B</i> , 2007, 76, .	3.2	76
4	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
5	Imaging coherent transport in graphene (part I): mapping universal conductance fluctuations. <i>Nanotechnology</i> , 2010, 21, 274013.	2.6	60
6	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
7	Influence of cobalt doping on residual stress in ZnO nanorods. <i>Materials Science in Semiconductor Processing</i> , 2018, 84, 131-137.	4.0	28
8	Imaging Universal Conductance Fluctuations in Graphene. <i>ACS Nano</i> , 2011, 5, 3622-3627.	14.6	18
9	Initial-state dependence of a quantum resonance ratchet. <i>Physical Review A</i> , 2016, 94, .	2.5	18
10	Optimization of a Pb-free all-perovskite tandem solar cell with 30.85% efficiency. <i>Optical Materials</i> , 2022, 123, 111891.	3.6	18
11	Ballistic versus diffusive transport in graphene. <i>Physical Review B</i> , 2013, 88, .	3.2	16
12	Optimal local control of coherent dynamics in custom-made nanostructures. <i>Physical Review B</i> , 2013, 87, .	3.2	14
13	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
14	Semiclassical deconstruction of quantum states in graphene. <i>Physical Review B</i> , 2013, 88, .	3.2	9
15	Quantum flux and reverse engineering of quantum wave functions. <i>Europhysics Letters</i> , 2013, 102, 60005.	2.0	5
16	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
17	Optimization of the U parameter in CoO groupings in ZnO (101 $\bar{1}$ 0) and (112 $\bar{1}$ 0) surfaces: A DFT+U and UPS study. <i>Computational Materials Science</i> , 2021, 198, 110700.	3.0	2
18	Torsional Potential Energy Surfaces of Dinitrobenzene Isomers. <i>Advances in Condensed Matter Physics</i> , 2017, 2017, 1-7.	1.1	1

#	ARTICLE	IF	CITATIONS
19	Transportation of topological spin textures at material boundaries. Journal of Magnetism and Magnetic Materials, 2021, 536, 168088.	2.3	1
20	Alpha Particle Induced X-ray Emission in the Classroom. AIP Conference Proceedings, 2003, , .	0.4	0