

Dario A Bahamon

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

541
citations

706676

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times ranked

1039
citing authors

#	ARTICLE	IF	CITATIONS
1	Second-harmonic generation enhancement in monolayer transition-metal dichalcogenides by using an epsilon-near-zero substrate. <i>Nanoscale Advances</i> , 2021, 3, 272-278.	2.2	15
2	Probing Polaritons in 2D Materials with Synchrotron Infrared Nanospectroscopy. <i>Advanced Optical Materials</i> , 2020, 8, 1901091.	3.6	26
3	Emergent magnetic texture in driven twisted bilayer graphene. <i>Nanoscale</i> , 2020, 12, 15383-15392.	2.8	16
4	Valley notch filter in a graphene strain superlattice: Green's function and machine learning approach. <i>Physical Review B</i> , 2019, 100, .	1.1	17
5	An accurate and compact tight-binding model for GeS. <i>Journal of Physics: Conference Series</i> , 2019, 1159, 012008.	0.3	1
6	Dipole modelling for a robust description of subdiffractive polariton waves. <i>Nanoscale</i> , 2019, 11, 21218-21226.	2.8	11
7	Impact of complex adatom-induced interactions on quantum spin Hall phases. <i>Physical Review B</i> , 2018, 98, .	1.1	17
8	Oxygen impact on the electronic and vibrational properties of black phosphorus probed by synchrotron infrared nanospectroscopy. <i>2D Materials</i> , 2017, 4, 035028.	2.0	16
9	Quantized Transport, Strain-Induced Perfectly Conducting Modes, and Valley Filtering on Shape-Optimized Graphene Corbino Devices. <i>Nano Letters</i> , 2017, 17, 5304-5313.	4.5	32
10	Zigzag phosphorene nanoribbons: one-dimensional resonant channels in two-dimensional atomic crystals. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1983-1990.	1.5	4
11	Graphene kirigami as a platform for stretchable and tunable quantum dot arrays. <i>Physical Review B</i> , 2016, 93, .	1.1	25
12	Edge phonons in black phosphorus. <i>Nature Communications</i> , 2016, 7, 12191.	5.8	70
13	Conductance signatures of electron confinement induced by strained nanobubbles in graphene. <i>Nanoscale</i> , 2015, 7, 15300-15309.	2.8	35
14	Current flow in biased bilayer graphene: Role of sublattices. <i>Physical Review B</i> , 2014, 90, .	1.1	7
15	Conductance across strain junctions in graphene nanoribbons. <i>Physical Review B</i> , 2013, 88, .	1.1	26
16	Resonant Tunneling in Graphene Pseudomagnetic Quantum Dots. <i>Nano Letters</i> , 2013, 13, 2692-2697.	4.5	49
17	Effective contact model for geometry-independent conductance calculations in graphene. <i>Physical Review B</i> , 2013, 88, .	1.1	7
18	Third edge for a graphene nanoribbon: A tight-binding model calculation. <i>Physical Review B</i> , 2011, 83, .	1.1	49

#	ARTICLE	IF	CITATIONS
19	Tunable resonances due to vacancies in graphene nanoribbons. <i>Physical Review B</i> , 2010, 82, .	1.1	29
20	Inner and outer edge states in graphene rings: A numerical investigation. <i>Physical Review B</i> , 2009, 79, .	1.1	88
21	Symmetries and couplings in double quantum dot molecule. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 589-591.	0.8	0