

Andrés Rafael Botello Mández

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

4,133
citations

393982

19
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610482

24
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24
docs citations

24
times ranked

7941
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge doping zirconium nitride halide monolayers. <i>Chemical Physics Letters</i> , 2022, 786, 139128.	1.2	1
2	Angle-dependent electron confinement in graphene moiré superlattices. <i>Physical Review B</i> , 2021, 104, .	1.1	5
3	Raman spectrum of Janus transition metal dichalcogenide monolayers WSSe and MoSSe. <i>Physical Review B</i> , 2021, 103, .	1.1	63
4	Toward an Accurate Tight-Binding Model of Graphene's Electronic Properties under Strain. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15753-15760.	1.5	15
5	Electronic and optical properties of pristine and oxidized borophene. <i>2D Materials</i> , 2016, 3, 045006.	2.0	123
6	The electronic and transport properties of two-dimensional conjugated polymer networks including disorder. <i>Nanoscale</i> , 2016, 8, 1642-1651.	2.8	19
7	Chemical Makeup and Hydrophilic Behavior of Graphene Oxide Nanoribbons after Low-Temperature Fluorination. <i>ACS Nano</i> , 2015, 9, 7009-7018.	7.3	41
8	Achievements of DFT for the Investigation of Graphene-Related Nanostructures. <i>Accounts of Chemical Research</i> , 2014, 47, 3292-3300.	7.6	15
9	Unconventional molecule-resolved current rectification in diamondoid fullerene hybrids. <i>Nature Communications</i> , 2014, 5, 4877.	5.8	28
10	Correlating Atomic Structure and Transport in Suspended Graphene Nanoribbons. <i>Nano Letters</i> , 2014, 14, 4238-4244.	4.5	71
11	Electrical Transport Measured in Atomic Carbon Chains. <i>Nano Letters</i> , 2013, 13, 3487-3493.	4.5	192
12	CVD synthesis of mono- and few-layer graphene using alcohols at low hydrogen concentration and atmospheric pressure. <i>Chemical Physics Letters</i> , 2013, 584, 142-146.	1.2	43
13	Electronic and Transport Properties of Unbalanced Sublattice N-Doping in Graphene. <i>Nano Letters</i> , 2013, 13, 1446-1450.	4.5	110
14	Identification of individual and few layers of WS ₂ using Raman Spectroscopy. <i>Scientific Reports</i> , 2013, 3, .	1.6	1,185
15	Localized state and charge transfer in nitrogen-doped graphene. <i>Physical Review B</i> , 2012, 85, .	1.1	134
16	Nitrogen-doped graphene: beyond single substitution and enhanced molecular sensing. <i>Scientific Reports</i> , 2012, 2, 586.	1.6	563
17	Millimeter-Long Carbon Nanotubes: Outstanding Electron-Emitting Sources. <i>ACS Nano</i> , 2011, 5, 5072-5077.	7.3	50
18	Quantum Transport in Graphene Nanonetworks. <i>Nano Letters</i> , 2011, 11, 3058-3064.	4.5	71

#	ARTICLE	IF	CITATIONS
19	Effect of impurities on the electronic and magnetic properties of zinc oxide nanostructures. <i>Chemical Physics Letters</i> , 2010, 492, 82-88.	1.2	18
20	Graphene and graphite nanoribbons: Morphology, properties, synthesis, defects and applications. <i>Nano Today</i> , 2010, 5, 351-372.	6.2	817
21	Longitudinal Cutting of Pure and Doped Carbon Nanotubes to Form Graphitic Nanoribbons Using Metal Clusters as Nanoscalpels. <i>Nano Letters</i> , 2010, 10, 366-372.	4.5	323
22	Spin Polarized Conductance in Hybrid Graphene Nanoribbons Using 5 ⁺ 7 Defects. <i>ACS Nano</i> , 2009, 3, 3606-3612.	7.3	60
23	Enhanced ferromagnetism in ZnO nanoribbons and clusters passivated with sulfur. <i>Nano Research</i> , 2008, 1, 420-426.	5.8	36
24	Magnetic Behavior in Zinc Oxide Zigzag Nanoribbons. <i>Nano Letters</i> , 2008, 8, 1562-1565.	4.5	150