

Jhon W González

List of Publications by Year in descending order

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29
papers

2,091
citations

623188

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552369

26
g-index

29
all docs

29
docs citations

29
times ranked

4272
citing authors

#	ARTICLE	IF	CITATIONS
1	Transport properties of two finite armchair graphene nanoribbons. <i>Nanoscale Research Letters</i> , 2013, 8, 1.	3.1	1,160
2	Large spin splitting in the conduction band of transition metal dichalcogenide monolayers. <i>Physical Review B</i> , 2013, 88, .	1.1	341
3	Dynamic and Electronic Transport Properties of DNA Translocation through Graphene Nanopores. <i>Nano Letters</i> , 2013, 13, 1969-1976.	4.5	115
4	Electronic transport through bilayer graphene flakes. <i>Physical Review B</i> , 2010, 81, .	1.1	97
5	Bound states in the continuum in graphene quantum dot structures. <i>Europhysics Letters</i> , 2010, 91, 66001.	0.7	46
6	Strain-induced phase transition in CrI ₃ bilayers. <i>2D Materials</i> , 2020, 7, 035008.	2.0	45
7	Tuning the Fermi velocity in Dirac materials with an electric field. <i>Scientific Reports</i> , 2017, 7, 8058.	1.6	43
8	Transport properties of graphene quantum dots. <i>Physical Review B</i> , 2011, 83, .	1.1	37
9	Gate-controlled conductance through bilayer graphene ribbons. <i>Physical Review B</i> , 2011, 83, .	1.1	31
10	Electron Transmission through Graphene Bilayer Flakes. <i>Acta Physica Polonica A</i> , 2012, 122, 299-303.	0.2	31
11	Graphene single-electron transistor as a spin sensor for magnetic adsorbates. <i>Physical Review B</i> , 2013, 87, .	1.1	18
12	Stacking change in MoS ₂ bilayers induced by interstitial Mo impurities. <i>Scientific Reports</i> , 2018, 8, 2143.	1.6	18
13	Quantum Hall effect in gapped graphene heterojunctions. <i>Physical Review B</i> , 2013, 88, .	1.1	17
14	Impurity states in the quantum spin Hall phase in graphene. <i>Physical Review B</i> , 2012, 86, .	1.1	16
15	Complete reversal of the atomic unquenched orbital moment by a single electron. <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	11
16	Electronic transport of folded graphene nanoribbons. <i>Solid State Communications</i> , 2012, 152, 1400-1403.	0.9	9
17	Resonant states in heterostructures of graphene nanoribbons. <i>Physica B: Condensed Matter</i> , 2009, 404, 2773-2776.	1.3	8
18	Electron confinement induced by diluted hydrogen-like ad-atoms in graphene ribbons. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24707-24715.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Stable carbon monosulfide nanostructures: Chain arrays and monolayers. <i>Physical Review Materials</i> , 2017, 1, .	0.9	7
20	Complex magnetic orders in small cobalt-benzene molecules. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14854-14860.	1.3	6
21	Ultrashort Mn-Mn Bonds in Organometallic Complexes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25554-25560.	1.5	6
22	Hydrostatic pressure and electric-field effects on the shallow donor impurity states in GaAs-Ga _{0.7} Al _{0.3} As quantum-well wires. <i>Brazilian Journal of Physics</i> , 2006, 36, 944-947.	0.7	5
23	Metallic carbon nanotube quantum dots with broken symmetries as a platform for tunable terahertz detection. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	5
24	Impurity-related optical properties in rectangular-transverse section GaAs _{1-x} Al _x As quantum well wires: Hydrostatic pressure and electric field effects. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 70-75.	0.7	4
25	Highly anisotropic thermoelectric properties of carbon sulfide monolayers. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 125501.	0.7	4
26	Self-assembled triangular graphene nanostructures: Evidence of dual electronic response. <i>Carbon</i> , 2019, 142, 580-591.	5.4	4
27	Out-of-plane magnetic anisotropy energy in the Ni ₃ Bz ₃ molecule. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5305-5311.	1.3	0
28	Transport in graphene nanoribbon-based systems. , 0, , .		0
29	Strain-controlled thermoelectric properties of phosphorene-carbon monosulfide hetero-bilayers. <i>Journal of Physics Condensed Matter</i> , 2021, 34, .	0.7	0