Jhon W GonzÃ¡lez

List of Publications by Year
in descending order

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29	2,091	623188	552369
papers	citations	14 h-index	26 g-index

29	29	29	4272
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metallic carbon nanotube quantum dots with broken symmetries as a platform for tunable terahertz detection. Applied Physics Reviews, 2021, 8, .	5.5	5
2	Strain-controlled thermoelectric properties of phosphorene-carbon monosulfide hetero-bilayers. Journal of Physics Condensed Matter, 2021, 34, .	0.7	0
3	Complete reversal of the atomic unquenched orbital moment by a single electron. Npj Quantum Materials, 2020, 5, .	1.8	11
4	Strain-induced phase transition in CrI₃ bilayers. 2D Materials, 2020, 7, 035008.	2.0	45
5	Highly anisotropic thermoelectric properties of carbon sulfide monolayers. Journal of Physics Condensed Matter, 2019, 31, 125501.	0.7	4
6	Out-of-plane magnetic anisotropy energy in the Ni₃Bz₃molecule. Physical Chemistry Chemical Physics, 2019, 21, 5305-5311.	1.3	0
7	Self-assembled triangular graphene nanostructures: Evidence of dual electronic response. Carbon, 2019, 142, 580-591.	5.4	4
8	Stacking change in MoS2 bilayers induced by interstitial Mo impurities. Scientific Reports, 2018, 8, 2143.	1.6	18
9	Complex magnetic orders in small cobaltâ€“benzene molecules. Physical Chemistry Chemical Physics, 2017, 19, 14854-14860.	1.3	6
10	Tuning the Fermi velocity in Dirac materials with an electric field. Scientific Reports, 2017, 7, 8058.	1.6	43
11	Ultrashort Mnâ€“Mn Bonds in Organometallic Complexes. Journal of Physical Chemistry C, 2017, 121, 25554-25560.	1.5	6
12	Stable carbon monosulfide nanostructures: Chain arrays and monolayers. Physical Review Materials, 2017, 1, .	0.9	7
13	Electron confinement induced by diluted hydrogen-like ad-atoms in graphene ribbons. Physical Chemistry Chemical Physics, 2015, 17, 24707-24715.	1.3	7
14	Quantum Hall effect in gapped graphene heterojunctions. Physical Review B, 2013, 88, .	1.1	17
15	Transport properties of two finite armchair graphene nanoribbons. Nanoscale Research Letters, 2013, 8, 1.	3.1	1,160
16	Graphene single-electron transistor as a spin sensor for magnetic adsorbates. Physical Review B, 2013, 87, .	1.1	18
17	Dynamic and Electronic Transport Properties of DNA Translocation through Graphene Nanopores. Nano Letters, 2013, 13, 1969-1976.	4.5	115
18	Large spin splitting in the conduction band of transition metal dichalcogenide monolayers. Physical Review B, 2013, 88, .	1.1	341

#	Article	IF	Citations
19	Electronic transport of folded graphene nanoribbons. Solid State Communications, 2012, 152, 1400-1403.	0.9	9
20	Impurity states in the quantum spin Hall phase in graphene. Physical Review B, 2012, 86, .	1.1	16
21	Electron Transmission through Graphene Bilayer Flakes. Acta Physica Polonica A, 2012, 122, 299-303.	0.2	31
22	Transport properties of graphene quantum dots. Physical Review B, 2011, 83, .	1.1	37
23	Gate-controlled conductance through bilayer graphene ribbons. Physical Review B, 2011, 83, .	1.1	31
24	Bound states in the continuum in graphene quantum dot structures. Europhysics Letters, 2010, 91, 66001.	0.7	46
25	Electronic transport through bilayer graphene flakes. Physical Review B, 2010, 81, .	1.1	97
26	Resonant states in heterostructures of graphene nanoribbons. Physica B: Condensed Matter, 2009, 404, 2773-2776.	1.3	8
27	Impurity-related optical properties in rectangular-transverse section GaAsâ€“Ga1â€“xAlxAs quantum well wires: Hydrostatic pressure and electric field effects. Physica Status Solidi (B): Basic Research, 2007, 244, 70-75.	0.7	4
28	Hydrostatic pressure and electric-field effects on the shallow donor impurity states in GaAs-Ga0.7Al0.3As quantum-well wires. Brazilian Journal of Physics, 2006, 36, 944-947.	0.7	5
29	Transport in graphene nanoribbon-based systems. , 0, , .		0