Andrs Rafael Botello Mndez

List of Publications by Year in Descending Order

23 papers	3,440 citations	18 h-index	24 g-index
24 ext. papers	3,792 ext. citations	9.5 avg, IF	4.72 L-index

#	Paper	IF	Citations
23	Charge doping zirconium nitride halide monolayers. *Chemical Physics Letters*, **2021**, 786, 139128	2.5	
22	Raman spectrum of Janus transition metal dichalcogenide monolayers WSSe and MoSSe. *Physical Review B*, **2021**, 103,	3.3	20
21	Toward an Accurate Tight-Binding Model of Graphene? Electronic Properties under Strain. *Journal of Physical Chemistry C*, **2018**, 122, 15753-15760	3.8	12
20	The electronic and transport properties of two-dimensional conjugated polymer networks including disorder. *Nanoscale*, **2016**, 8, 1642-51	7.7	17
19	Electronic and optical properties of pristine and oxidized borophene. *2D Materials*, **2016**, 3, 045006	5.9	94
18	Chemical Makeup and Hydrophilic Behavior of Graphene Oxide Nanoribbons after Low-Temperature Fluorination. *ACS Nano*, **2015**, 9, 7009-18	16.7	34
17	Achievements of DFT for the investigation of graphene-related nanostructures. *Accounts of Chemical Research*, **2014**, 47, 3292-300	24.3	14
16	Unconventional molecule-resolved current rectification in diamondoid-fullerene hybrids. *Nature Communications*, **2014**, 5, 4877	17.4	23
15	Correlating atomic structure and transport in suspended graphene nanoribbons. *Nano Letters*, **2014**, 14, 4238-44	11.5	62
14	Electrical transport measured in atomic carbon chains. *Nano Letters*, **2013**, 13, 3487-93	11.5	169
13	CVD synthesis of mono- and few-layer graphene using alcohols at low hydrogen concentration and atmospheric pressure. *Chemical Physics Letters*, **2013**, 584, 142-146	2.5	36
12	Electronic and transport properties of unbalanced sublattice N-doping in graphene. *Nano Letters*, **2013**, 13, 1446-50	11.5	96
11	Identification of individual and few layers of WS2 using Raman Spectroscopy. *Scientific Reports*, **2013**, 3,	4.9	911
10	Localized state and charge transfer in nitrogen-doped graphene. *Physical Review B*, **2012**, 85,	3.3	117
9	Nitrogen-doped graphene: beyond single substitution and enhanced molecular sensing. *Scientific Reports*, **2012**, 2, 586	4.9	517
8	Millimeter-long carbon nanotubes: outstanding electron-emitting sources. *ACS Nano*, **2011**, 5, 5072-7	16.7	44
7	Quantum transport in graphene nanonetworks. *Nano Letters*, **2011**, 11, 3058-64	11.5	55

6	Longitudinal cutting of pure and doped carbon nanotubes to form graphitic nanoribbons using metal clusters as nanoscalpels. *Nano Letters*, **2010**, 10, 366-72	11.5	284
5	Effect of impurities on the electronic and magnetic properties of zinc oxide nanostructures. *Chemical Physics Letters*, **2010**, 492, 82-88	2.5	18
4	Graphene and graphite nanoribbons: Morphology, properties, synthesis, defects and applications. *Nano Today*, **2010**, 5, 351-372	17.9	695
3	Spin polarized conductance in hybrid graphene nanoribbons using 5-7 defects. *ACS Nano*, **2009**, 3, 3606-12	16.7	52
2	Magnetic behavior in zinc oxide zigzag nanoribbons. *Nano Letters*, **2008**, 8, 1562-5	11.5	138
1	Enhanced ferromagnetism in ZnO nanoribbons and clusters passivated with sulfur. *Nano Research*, **2008**, 1, 420-426	10	32