

Julio A Rodriguez-Manzo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24 papers	2,065 citations	18 h-index	24 g-index
24 ext. papers	2,235 ext. citations	13.2 avg, IF	4.66 L-index

#	Paper	IF	Citations
24	Migration and localization of metal atoms on strained graphene. <i>Physical Review Letters</i> , 2010 , 105, 1961-1964	16.7	281
23	Trapping of metal atoms in vacancies of carbon nanotubes and graphene. <i>ACS Nano</i> , 2010 , 4, 3422-8	16.7	244
22	Raman Shifts in Electron-Irradiated Monolayer MoS ₂ . <i>ACS Nano</i> , 2016 , 10, 4134-42	16.7	226
21	In situ nucleation of carbon nanotubes by the injection of carbon atoms into metal particles. <i>Nature Nanotechnology</i> , 2007 , 2, 307-11	28.7	195
20	Differentiation of short, single-stranded DNA homopolymers in solid-state nanopores. <i>ACS Nano</i> , 2013 , 7, 4629-36	16.7	168
19	Continuous growth of hexagonal graphene and boron nitride in-plane heterostructures by atmospheric pressure chemical vapor deposition. <i>ACS Nano</i> , 2013 , 7, 10129-38	16.7	156
18	Creation of individual vacancies in carbon nanotubes by using an electron beam of 1 Å diameter. <i>Nano Letters</i> , 2009 , 9, 2285-9	11.5	133
17	Graphene growth by a metal-catalyzed solid-state transformation of amorphous carbon. <i>ACS Nano</i> , 2011 , 5, 1529-34	16.7	127
16	Heterojunctions between metals and carbon nanotubes as ultimate nanocontacts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 4591-5	11.5	100
15	Toward sensitive graphene nanoribbon-nanopore devices by preventing electron beam-induced damage. <i>ACS Nano</i> , 2013 , 7, 11283-9	16.7	74
14	Correlating atomic structure and transport in suspended graphene nanoribbons. <i>Nano Letters</i> , 2014 , 14, 4238-44	11.5	62
13	DNA Translocation in Nanometer Thick Silicon Nanopores. <i>ACS Nano</i> , 2015 , 9, 6555-64	16.7	62
12	Multibranched Junctions of Carbon Nanotubes via Cobalt Particles. <i>Advanced Materials</i> , 2009 , 21, 4477-4482	16.7	60
11	In situ growth of cellular two-dimensional silicon oxide on metal substrates. <i>ACS Nano</i> , 2013 , 7, 5175-80	16.7	28
10	In Situ Transmission Electron Microscopy Modulation of Transport in Graphene Nanoribbons. <i>ACS Nano</i> , 2016 , 10, 4004-10	16.7	27
9	Cross-Talk Between Ionic and Nanoribbon Current Signals in Graphene Nanoribbon-Nanopore Sensors for Single-Molecule Detection. <i>Small</i> , 2015 , 11, 6309-16	11	26
8	Cobalt nanoparticle-assisted engineering of multiwall carbon nanotubes. <i>ACS Nano</i> , 2009 , 3, 2632-8	16.7	26

7	Growth of single-walled carbon nanotubes from sharp metal tips. <i>Small</i> , 2009 , 5, 2710-5	11	24
6	Defect-induced junctions between single- or double-wall carbon nanotubes and metal crystals. <i>Nanoscale</i> , 2010 , 2, 901-5	7.7	18
5	Engineering the atomic structure of carbon nanotubes by a focused electron beam: new morphologies at the sub-nanometer scale. <i>ChemPhysChem</i> , 2012 , 13, 2596-600	3.2	15
4	Electronic transport in heterostructures of chemical vapor deposited graphene and hexagonal boron nitride. <i>Small</i> , 2015 , 11, 1402-8	11	11
3	Electron beam-induced nanopatterning of multilayer graphene and amorphous carbon films with metal layers. <i>Applied Physics Letters</i> , 2011 , 98, 183105	3.4	2
2	Fabrication and Simultaneous Electrical Measurement of Graphene Nanoribbon Devices Inside a S/TEM. <i>Microscopy and Microanalysis</i> , 2015 , 21, 1155-1156	0.5	
1	In-situ TEM study of the formation of the smallest possible fullerenes on metal surfaces 2016 , 494-495		