Julio A Rodriguez-Manzo

List of Publications by Year in Descending Order

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	Raman Shifts in Electron-Irradiated Monolayer MoS2. *ACS Nano*, **2016**, 10, 4134-42	16.7	226
23	In Situ Transmission Electron Microscopy Modulation of Transport in Graphene Nanoribbons. *ACS Nano*, **2016**, 10, 4004-10	16.7	27
22	In-situ TEM study of the formation of the smallest possible fullerenes on metal surfaces **2016**, 494-495		
21	Electronic transport in heterostructures of chemical vapor deposited graphene and hexagonal boron nitride. *Small*, **2015**, 11, 1402-8	11	11
20	Cross-Talk Between Ionic and Nanoribbon Current Signals in Graphene Nanoribbon-Nanopore Sensors for Single-Molecule Detection. *Small*, **2015**, 11, 6309-16	11	26
19	Fabrication and Simultaneous Electrical Measurement of Graphene Nanoribbon Devices Inside a S/TEM. *Microscopy and Microanalysis*, **2015**, 21, 1155-1156	0.5	
18	DNA Translocation in Nanometer Thick Silicon Nanopores. *ACS Nano*, **2015**, 9, 6555-64	16.7	62
17	Correlating atomic structure and transport in suspended graphene nanoribbons. *Nano Letters*, **2014** , 14, 4238-44	11.5	62
16	Toward sensitive graphene nanoribbon-nanopore devices by preventing electron beam-induced damage. *ACS Nano*, **2013**, 7, 11283-9	16.7	74
15	Continuous growth of hexagonal graphene and boron nitride in-plane heterostructures by atmospheric pressure chemical vapor deposition. *ACS Nano*, **2013**, 7, 10129-38	16.7	156
14	Differentiation of short, single-stranded DNA homopolymers in solid-state nanopores. *ACS Nano*, **2013**, 7, 4629-36	16.7	168
13	In situ growth of cellular two-dimensional silicon oxide on metal substrates. *ACS Nano*, **2013**, 7, 5175-80	16.7	28
12	Engineering the atomic structure of carbon nanotubes by a focused electron beam: new morphologies at the sub-nanometer scale. *ChemPhysChem*, **2012**, 13, 2596-600	3.2	15
11	Graphene growth by a metal-catalyzed solid-state transformation of amorphous carbon. *ACS Nano*, **2011**, 5, 1529-34	16.7	127
10	Electron beam-induced nanopatterning of multilayer graphene and amorphous carbon films with metal layers. *Applied Physics Letters*, **2011**, 98, 183105	3.4	2
9	Trapping of metal atoms in vacancies of carbon nanotubes and graphene. *ACS Nano*, **2010**, 4, 3422-8	16.7	244
8	Defect-induced junctions between single- or double-wall carbon nanotubes and metal crystals. *Nanoscale*, **2010**, 2, 901-5	7.7	18

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7	Migration and localization of metal atoms on strained graphene. *Physical Review Letters*, **2010**, 105, 196102	74	281
6	Multibranched Junctions of Carbon Nanotubes via Cobalt Particles. *Advanced Materials*, **2009**, 21, 4477-4482	24	60
5	Growth of single-walled carbon nanotubes from sharp metal tips. *Small*, **2009**, 5, 2710-5	11	24
4	Cobalt nanoparticle-assisted engineering of multiwall carbon nanotubes. *ACS Nano*, **2009**, 3, 2632-8	16.7	26
3	Creation of individual vacancies in carbon nanotubes by using an electron beam of 1 A diameter. *Nano Letters*, **2009**, 9, 2285-9	11.5	133
2	Heterojunctions between metals and carbon nanotubes as ultimate nanocontacts. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 4591-5	11.5	100
1	In situ nucleation of carbon nanotubes by the injection of carbon atoms into metal particles. *Nature Nanotechnology*, **2007**, 2, 307-11	28.7	195