Jessica Campos-Delgado

List of Publications by Citations

27 papers	3,625 citations	19 h-index	28 g-index
28 ext. papers	3,901 ext. citations	8.1 avg, IF	4.42 L-index

#	Paper	IF	Citations
27	Graphene and graphite nanoribbons: Morphology, properties, synthesis, defects and applications. *Nano Today*, **2010**, 5, 351-372	17.9	695
26	Controlled formation of sharp zigzag and armchair edges in graphitic nanoribbons. *Science*, **2009**, 323, 1701-5	33.3	592
25	Bulk production of a new form of sp(2) carbon: crystalline graphene nanoribbons. *Nano Letters*, **2008**, 8, 2773-8	11.5	524
24	Graphene edges: a review of their fabrication and characterization. *Nanoscale*, **2011**, 3, 86-95	7.7	353
23	Ex-MWNTs: graphene sheets and ribbons produced by lithium intercalation and exfoliation of carbon nanotubes. *Nano Letters*, **2009**, 9, 1527-33	11.5	326
22	Electron and phonon renormalization near charged defects in carbon nanotubes. *Nature Materials*, **2008**, 7, 878-83	27	236
21	Thermal stability studies of CVD-grown graphene nanoribbons: Defect annealing and loop formation. *Chemical Physics Letters*, **2009**, 469, 177-182	2.5	147
20	Synthesis, electronic structure, and Raman scattering of phosphorus-doped single-wall carbon nanotubes. *Nano Letters*, **2009**, 9, 2267-72	11.5	121
19	Observation of magnetic edge state in graphene nanoribbons. *Physical Review B*, **2010**, 81,	3.3	120
18	Chemical vapor deposition synthesis of N-, P-, and Si-doped single-walled carbon nanotubes. *ACS Nano*, **2010**, 4, 1696-702	16.7	101
17	Raman scattering study of the phonon dispersion in twisted bilayer graphene. *Nano Research*, **2013**, 6, 269-274	10	70
16	Controlling the dimensions, reactivity and crystallinity of multiwalled carbon nanotubes using low ethanol concentrations. *Chemical Physics Letters*, **2008**, 453, 55-61	2.5	64
15	Marked adsorption irreversibility of graphitic nanoribbons for CO2 and H2O. *Journal of the American Chemical Society*, **2011**, 133, 14880-3	16.4	55
14	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
13	Spectroscopic characterization of N-doped single-walled carbon nanotube strands: an X-ray photoelectron spectroscopy and Raman study. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 3959-64	1.3	30
12	Direct growth of graphitic carbon on Si(111). *Applied Physics Letters*, **2013**, 102, 013118	3.4	24
11	Loop formation in graphitic nanoribbon edges using furnace heating or Joule heating. *Journal of Vacuum Science & Technology B*, **2009**, 27, 1996		24

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10	The two peaks G? band in carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2008**, 245, 2197-2200	1.3	23
9	Direct growth of graphene on Si(111). *Journal of Applied Physics*, **2014**, 115, 223704	2.5	19
8	Terahertz and mid-infrared reflectance of epitaxial graphene. *Scientific Reports*, **2016**, 6, 24301	4.9	19
7	Geometric and Electronic Structure of Closed Graphene Edges. *Journal of Physical Chemistry Letters* , **2012**, 3, 2097-2102	6.4	16
6	Resonant Raman study on bulk and isolated graphitic nanoribbons. *Small*, **2009**, 5, 2698-702	11	13
5	Iron Particle Nanodrilling of Few Layer Graphene at Low Electron Beam Accelerating Voltages. *Particle and Particle Systems Characterization*, **2013**, 30, 76-82	3.1	8
4	Carbon nanotubes and carbon fibers in a flash: an easy and convenient preparation of carbon nanostructures using a conventional microwave. *Canadian Journal of Chemistry*, **2020**, 98, 49-55	0.9	3
3	Effect of graphene oxide on bacteria and peripheral blood mononuclear cells. *Journal of Applied Biomaterials and Functional Materials*, **2016**, 14, e423-e430	1.8	3
2	Key parameters to enhance the antibacterial effect of graphene oxide in solution.. *RSC Advances*, **2021**, 11, 6509-6516	3.7	3
1	Simple in situ functionalization of carbon nanospheres. *Nanotechnology*, **2021**, 32, 085602	3.4	0