

Juan G Duque

List of Publications by Citations

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35
papers

1,232
citations

22
h-index

35
g-index

35
ext. papers

1,353
ext. citations

11.3
avg, IF

3.98
L-index

#	Paper	IF	Citations
35	Role of surfactants and salt in aqueous two-phase separation of carbon nanotubes toward simple chirality isolation. <i>ACS Nano</i> , 2014 , 8, 1619-28	16.7	127
34	Recent developments in the photophysics of single-walled carbon nanotubes for their use as active and passive material elements in thin film photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 14896-918	3.6	92
33	Photoluminescence imaging of electronic-impurity-induced exciton quenching in single-walled carbon nanotubes. <i>Nature Nanotechnology</i> , 2012 , 7, 126-32	28.7	73
32	Saturation of surfactant structure at the single-walled carbon nanotube surface. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16165-75	16.4	68
31	Chiral index dependence of the G+ and G- Raman modes in semiconducting carbon nanotubes. <i>ACS Nano</i> , 2012 , 6, 904-11	16.7	66
30	Stable luminescence from individual carbon nanotubes in acidic, basic, and biological environments. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2626-33	16.4	63
29	Diameter-dependent solubility of single-walled carbon nanotubes. <i>ACS Nano</i> , 2010 , 4, 3063-72	16.7	60
28	Disorder limited exciton transport in colloidal single-wall carbon nanotubes. <i>Nano Letters</i> , 2012 , 12, 5091-5	16.5	54
27	Fundamental optical processes in armchair carbon nanotubes. <i>Nanoscale</i> , 2013 , 5, 1411-39	7.7	46
26	Temperature and Gas Pressure Effects in Vertically Aligned Carbon Nanotube Growth from FeMo Catalyst. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 14041-14051	3.8	46
25	Violation of the condon approximation in semiconducting carbon nanotubes. <i>ACS Nano</i> , 2011 , 5, 5233-41	16.7	45
24	Environmental and synthesis-dependent luminescence properties of individual single-walled carbon nanotubes. <i>ACS Nano</i> , 2009 , 3, 2153-6	16.7	44
23	Developing Monolithic Nanoporous Gold with Hierarchical Bicontinuity Using Colloidal Bijels. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 809-12	6.4	43
22	Electrodynamic and excitonic intertube interactions in semiconducting carbon nanotube aggregates. <i>ACS Nano</i> , 2011 , 5, 2611-8	16.7	39
21	Mono- and Biexponential Luminescence Decays of Individual Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 14025-14028	3.8	39
20	SWCNT PEG-eggs: Single-walled carbon nanotubes in biocompatible shell-crosslinked micelles. <i>Carbon</i> , 2007 , 45, 2388-2393	10.4	35
19	Unique origin of colors of armchair carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4461-4	16.4	34

18	Mechanism of electrolyte-induced brightening in single-wall carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 3379-82	16.4	33
17	Fluorescent single-walled carbon nanotube aerogels in surfactant-free environments. <i>ACS Nano</i> , 2011 , 5, 6686-94	16.7	32
16	Bench-top aqueous two-phase extraction of isolated individual single-walled carbon nanotubes. <i>Nano Research</i> , 2015 , 8, 1755-1769	10	31
15	Influences of Exciton Diffusion and Exciton-Exciton Annihilation on Photon Emission Statistics of Carbon Nanotubes. <i>Physical Review Letters</i> , 2015 , 115, 017401	7.4	29
14	Antenna chemistry with metallic single-walled carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15340-7	16.4	23
13	Asymmetric excitation profiles in the resonance Raman response of armchair carbon nanotubes. <i>Physical Review B</i> , 2015 , 91,	3.3	20
12	Quantum interference between the third and fourth exciton states in semiconducting carbon nanotubes using resonance Raman spectroscopy. <i>Physical Review Letters</i> , 2012 , 108, 117404	7.4	19
11	Recycling Ultrathin Catalyst Layers for Multiple Single-Walled Carbon Nanotube Array Regrowth Cycles and Selectivity in Catalyst Activation. <i>Chemistry of Materials</i> , 2009 , 21, 1550-1556	9.6	18
10	Assessment of length and bundle distribution of dilute single-walled carbon nanotubes by viscosity measurements. <i>AIChE Journal</i> , 2014 , 60, 1499-1508	3.6	14
9	New Route to Fluorescent Single-Walled Carbon Nanotube/Silica Nanocomposites: Balancing Fluorescence Intensity and Environmental Sensitivity. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 15147-15153	3.8	14
8	Resonance Raman signature of intertube excitons in compositionally-defined carbon nanotube bundles. <i>Nature Communications</i> , 2018 , 9, 637	17.4	8
7	Self-Assembled Nanoparticle-Nanotube Structures (nanoPaNTs) Based on Antenna Chemistry of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18863-18869	3.8	5
6	Diameter dependence of TO phonon frequencies and the Kohn anomaly in armchair single-wall carbon nanotubes. <i>Physical Review B</i> , 2014 , 90,	3.3	4
5	Aerobijels: Ultralight Carbon Monoliths from Cocontinuous Emulsions (Adv. Funct. Mater. 6/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070040	15.6	2
4	Carbon Nanomaterials in Silica Aerogel Matrices. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1258, 1		2
3	Aerobijels: Ultralight Carbon Monoliths from Cocontinuous Emulsions. <i>Advanced Functional Materials</i> , 2020 , 30, 1908383	15.6	2
2	Formation and dynamics of "waterproof" photoluminescent complexes of rare earth ions in crowded environment. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 26715-21	3.6	1
1	Stable and Responsive Fluorescent Carbon Nanotube Silica Gels. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1258, 1		1

