

# Tobias Hertel

## List of Publications by Citations

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25  
papers

1,124  
citations

13  
h-index

26  
g-index

26  
ext. papers

1,225  
ext. citations

9.3  
avg, IF

4.01  
L-index

#	Paper	IF	Citations
25	Quantum yield heterogeneities of aqueous single-wall carbon nanotube suspensions. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8058-9	16.4	213
24	Spectroscopy of single- and double-wall carbon nanotubes in different environments. <i>Nano Letters</i> , <b>2005</b> , 5, 511-4	11.5	186
23	Size and mobility of excitons in (6, 5) carbon nanotubes. <i>Nature Physics</i> , <b>2009</b> , 5, 54-58	16.2	172
22	Diffusion limited photoluminescence quantum yields in 1-D semiconductors: single-wall carbon nanotubes. <i>ACS Nano</i> , <b>2010</b> , 4, 7161-8	16.7	143
21	Pump-Probe Spectroscopy of Exciton Dynamics in (6,5) Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 3831-3835	3.8	93
20	Triplet-Triplet exciton dynamics in single-walled carbon nanotubes. <i>Nature Photonics</i> , <b>2014</b> , 8, 139-144	33.9	52
19	Ultrafast excitation energy transfer in small semiconducting carbon nanotube aggregates. <i>ACS Nano</i> , <b>2010</b> , 4, 4265-73	16.7	45
18	Evidence for Strong Electronic Correlations in the Spectra of Gate-Doped Single-Wall Carbon Nanotubes. <i>ACS Nano</i> , <b>2015</b> , 9, 10461-70	16.7	35
17	Intersubband decay of 1-D exciton resonances in carbon nanotubes. <i>Nano Letters</i> , <b>2008</b> , 8, 87-91	11.5	35
16	High energetic excitons in carbon nanotubes directly probe charge-carriers. <i>Scientific Reports</i> , <b>2015</b> , 5, 9681	4.9	27
15	Polymer-sorted (6,5) single-walled carbon nanotubes for solution-processed low-voltage flexible microelectronics. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 193302	3.4	21
14	Localized Charges Control Exciton Energetics and Energy Dissipation in Doped Carbon Nanotubes. <i>ACS Nano</i> , <b>2017</b> , 11, 10401-10408	16.7	20
13	Fluorescence Spectroscopy of Gel-Immobilized Single-Wall Carbon Nanotubes with Microfluidic Control of the Surfactant Environment. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 13318-13323	3.8	16
12	Influence of DNA conformation on the dispersion of SWNTs: single-strand DNAs. hairpin DNA. <i>Soft Matter</i> , <b>2012</b> , 8, 2820	3.6	12
11	Nanoscale Charge Percolation Analysis in Polymer-Sorted (7,5) Single-Walled Carbon Nanotube Networks. <i>Small</i> , <b>2016</b> , 12, 4211-21	11	12
10	13 nm Exciton Size in (6,5) Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 2276-80	6.4	11
9	Quantifying Doping Levels in Carbon Nanotubes by Optical Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 30001-30006	3.8	11

8	Exciton dynamics probed in carbon nanotube suspensions with narrow diameter distribution. <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 3186-3191	1.3	9
7	Direct Tracking of Ultrafast Carrier Motion Dynamics in Semiconducting Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 16424-16430	3.8	5
6	Infrared Study of Charge Carrier Confinement in Doped (6,5) Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 5700-5707	3.8	3
5	Photophysics77-101		1
4	Optical Spectroscopy of Doped Carbon Nanotubes. <i>World Scientific Series on Carbon Nanoscience</i> , <b>2019</b> , 191-236	0.5	1
3	Coherent two-dimensional electronic spectroelectrochemistry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 253, 119567	4.4	1
2	Electronic and Ionic Electric Field Screening and Persistent Built-In Electric Field in Carbon Nanotube/PCBM Films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2020</b> , 217, 1900673	1.6	
1	Single-Walled Carbon Nanotubes as an Additive in Organic Photovoltaics: Effects on Carrier Generation and Recombination Dynamics. <i>Solar Rrl</i> ,2101010	7.1	