Tobias Hertel

List of Publications by Year in Descending Order

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	Infrared Study of Charge Carrier Confinement in Doped (6,5) Carbon Nanotubes. *Journal of Physical Chemistry C*, **2021**, 125, 5700-5707	3.8	3
24	Coherent two-dimensional electronic spectroelectrochemistry. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 253, 119567	4.4	1
23	Electronic and Ionic Electric Field Screening and Persistent Built-In Electric Field in Carbon Nanotube/PCBM Films. *Physica Status Solidi (A) Applications and Materials Science*, **2020**, 217, 1900673	1.6	
22	Optical Spectroscopy of Doped Carbon Nanotubes. *World Scientific Series on Carbon Nanoscience*, **2019**, 191-236	0.5	1
21	Quantifying Doping Levels in Carbon Nanotubes by Optical Spectroscopy. *Journal of Physical Chemistry C*, **2019**, 123, 30001-30006	3.8	11
20	Direct Tracking of Ultrafast Carrier Motion Dynamics in Semiconducting Single-Wall Carbon Nanotubes. *Journal of Physical Chemistry C*, **2018**, 122, 16424-16430	3.8	5
19	Localized Charges Control Exciton Energetics and Energy Dissipation in Doped Carbon Nanotubes. *ACS Nano*, **2017**, 11, 10401-10408	16.7	20
18	13 nm Exciton Size in (6,5) Single-Wall Carbon Nanotubes. *Journal of Physical Chemistry Letters*, **2016**, 7, 2276-80	6.4	11
17	Nanoscale Charge Percolation Analysis in Polymer-Sorted (7,5) Single-Walled Carbon Nanotube Networks. *Small*, **2016**, 12, 4211-21	11	12
16	Evidence for Strong Electronic Correlations in the Spectra of Gate-Doped Single-Wall Carbon Nanotubes. *ACS Nano*, **2015**, 9, 10461-70	16.7	35
15	Polymer-sorted (6,5) single-walled carbon nanotubes for solution-processed low-voltage flexible microelectronics. *Applied Physics Letters*, **2015**, 106, 193302	3.4	21
14	High energetic excitons in carbon nanotubes directly probe charge-carriers. *Scientific Reports*, **2015**, 5, 9681	4.9	27
13	Triplet–Triplet exciton dynamics in single-walled carbon nanotubes. *Nature Photonics*, **2014**, 8, 139-144	33.9	52
12	Fluorescence Spectroscopy of Gel-Immobilized Single-Wall Carbon Nanotubes with Microfluidic Control of the Surfactant Environment. *Journal of Physical Chemistry C*, **2013**, 117, 13318-13323	3.8	16
11	Influence of DNA conformation on the dispersion of SWNTs: single-strand DNAvs. hairpin DNA. *Soft Matter*, **2012**, 8, 2820	3.6	12
10	Diffusion limited photoluminescence quantum yields in 1-D semiconductors: single-wall carbon nanotubes. *ACS Nano*, **2010**, 4, 7161-8	16.7	143
9	Ultrafast excitation energy transfer in small semiconducting carbon nanotube aggregates. *ACS Nano*, **2010**, 4, 4265-73	16.7	45

8	Size and mobility of excitons in (6, 5) carbon nanotubes. *Nature Physics*, **2009**, 5, 54-58	16.2	172
7	Intersubband decay of 1-D exciton resonances in carbon nanotubes. *Nano Letters*, **2008**, 8, 87-91	11.5	35
6	Pump-Probe Spectroscopy of Exciton Dynamics in (6,5) Carbon Nanotubes. *Journal of Physical Chemistry C*, **2007**, 111, 3831-3835	3.8	93
5	Quantum yield heterogeneities of aqueous single-wall carbon nanotube suspensions. *Journal of the American Chemical Society*, **2007**, 129, 8058-9	16.4	213
4	Exciton dynamics probed in carbon nanotube suspensions with narrow diameter distribution. *Physica Status Solidi (B): Basic Research*, **2006**, 243, 3186-3191	1.3	9
3	Spectroscopy of single- and double-wall carbon nanotubes in different environments. *Nano Letters*, **2005**, 5, 511-4	11.5	186
2	Photophysics77-101		1
1	Single-Walled Carbon Nanotubes as an Additive in Organic Photovoltaics: Effects on Carrier Generation and Recombination Dynamics. *Solar Rrl*,2101010	7.1	