Tobias Hertel

List of Publications by Year in descending order

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26	1,312	566801 15	580395 25
papers	citations	h-index	g-index

26	26	26	1555
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantum Yield Heterogeneities of Aqueous Single-Wall Carbon Nanotube Suspensions. Journal of the American Chemical Society, 2007, 129, 8058-8059.	6.6	233
2	Size and mobility of excitons in (6, 5) carbonÂnanotubes. Nature Physics, 2009, 5, 54-58.	6.5	200
3	Spectroscopy of Single- and Double-Wall Carbon Nanotubes in Different Environments. Nano Letters, 2005, 5, 511-514.	4.5	199
4	Diffusion Limited Photoluminescence Quantum Yields in 1-D Semiconductors: Single-Wall Carbon Nanotubes. ACS Nano, 2010, 4, 7161-7168.	7.3	166
5	Pump-Probe Spectroscopy of Exciton Dynamics in (6,5) Carbon Nanotubes. Journal of Physical Chemistry C, 2007, 111, 3831-3835.	1.5	105
6	Tripletâ€“triplet exciton dynamics in single-walled carbon nanotubes. Nature Photonics, 2014, 8, 139-144.	15.6	57
7	Ultrafast Excitation Energy Transfer in Small Semiconducting Carbon Nanotube Aggregates. ACS Nano, 2010, 4, 4265-4273.	7.3	51
8	Intersubband Decay of 1-D Exciton Resonances in Carbon Nanotubes. Nano Letters, 2008, 8, 87-91.	4.5	41
9	Evidence for Strong Electronic Correlations in the Spectra of Gate-Doped Single-Wall Carbon Nanotubes. ACS Nano, 2015, 9, 10461-10470.	7.3	40
10	High energetic excitons in carbon nanotubes directly probe charge-carriers. Scientific Reports, 2015, 5, 9681.	1.6	30
11	Localized Charges Control Exciton Energetics and Energy Dissipation in Doped Carbon Nanotubes. ACS Nano, 2017, 11, 10401-10408.	7.3	30
12	Polymer-sorted (6,5) single-walled carbon nanotubes for solution-processed low-voltage flexible microelectronics. Applied Physics Letters, 2015, 106, .	1.5	25
13	Quantifying Doping Levels in Carbon Nanotubes by Optical Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 30001-30006.	1.5	22
14	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.	1.5	19
15	Influence of DNA conformation on the dispersion of SWNTs: single-strand DNA vs. hairpin DNA. Soft Matter, 2012, 8, 2820.	1.2	16
16	Nanoscale Charge Percolation Analysis in Polymerâ€Sorted (7,5) Singleâ€Walled Carbon Nanotube Networks. Small, 2016, 12, 4211-4221.	5.2	16
17	13 nm Exciton Size in (6,5) Single-Wall Carbon Nanotubes. Journal of Physical Chemistry Letters, 2016, 7, 2276-2280.	2.1	14
18	Infrared Study of Charge Carrier Confinement in Doped (6,5) Carbon Nanotubes. Journal of Physical Chemistry C, 2021, 125, 5700-5707.	1.5	11

#	Article	IF	Citations
19	Electroluminescence from Single-Walled Carbon Nanotubes with Quantum Defects. ACS Nano, 2022, 16, 11742-11754.	7.3	11
20	Exciton dynamics probed in carbon nanotube suspensions with narrow diameter distribution. Physica Status Solidi (B): Basic Research, 2006, 243, 3186-3191.	0.7	10
21	Direct Tracking of Ultrafast Carrier Motion Dynamics in Semiconducting Single-Wall Carbon Nanotubes. Journal of Physical Chemistry C, 2018, 122, 16424-16430.	1.5	5
22	Coherent two-dimensional electronic spectroelectrochemistry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 253, 119567.	2.0	3
23	Optical Spectroscopy of Doped Carbon Nanotubes. World Scientific Series on Carbon Nanoscience, 2019, , 191-236.	0.1	3
24	Singleâ€Walled Carbon Nanotubes as an Additive in Organic Photovoltaics: Effects on Carrier Generation and Recombination Dynamics. Solar Rrl, 2022, 6, .	3.1	3
25	Photophysics. , 0, , 77-101.		1
26	Electronic and Ionic Electric Field Screening and Persistent Builtâ€In Electric Field in Carbon Nanotube/PCBM Films. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900673.	0.8	1