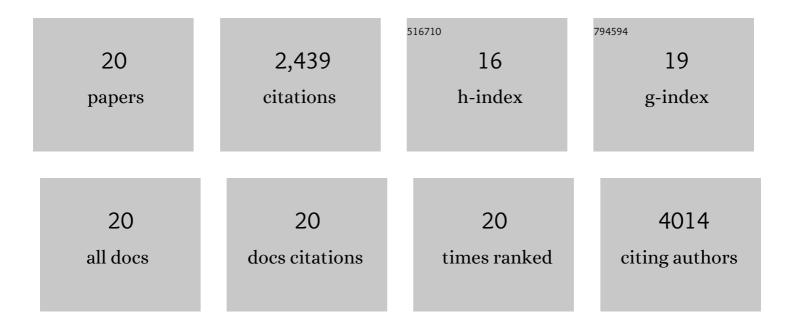
Rachelle Ihly

List of Publications by Year in descending order

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PACHELLE HUV

#	Article	IF	CITATIONS
1	Solution-phase <i>p</i> -type doping of highly enriched semiconducting single-walled carbon nanotubes for thermoelectric thin films. Applied Physics Letters, 2021, 119, .	3.3	9
2	Effect of nanotube coupling on exciton transport in polymer-free monochiral semiconducting carbon nanotube networks. Nanoscale, 2019, 11, 21196-21206.	5.6	17
3	Efficiency of Charge-Transfer Doping in Organic Semiconductors Probed with Quantitative Microwave and Direct-Current Conductance. Journal of Physical Chemistry Letters, 2018, 9, 6864-6870.	4.6	30
4	Diameter-Dependent Optical Absorption and Excitation Energy Transfer from Encapsulated Dye Molecules toward Single-Walled Carbon Nanotubes. ACS Nano, 2018, 12, 6881-6894.	14.6	33
5	Optically Generated Free-Carrier Collection from an All Single-Walled Carbon Nanotube Active Layer. Journal of Physical Chemistry Letters, 2018, 9, 4841-4847.	4.6	6
6	Low-Temperature Single Carbon Nanotube Spectroscopy of sp ³ Quantum Defects. ACS Nano, 2017, 11, 10785-10796.	14.6	79
7	Large n- and p-type thermoelectric power factors from doped semiconducting single-walled carbon nanotube thin films. Energy and Environmental Science, 2017, 10, 2168-2179.	30.8	172
8	Tunable room-temperature single-photon emission at telecom wavelengths from sp3 defects in carbon nanotubes. Nature Photonics, 2017, 11, 577-582.	31.4	235
9	Switchable photovoltaic windows enabled by reversible photothermal complex dissociation from methylammonium lead iodide. Nature Communications, 2017, 8, 1722.	12.8	107
10	Photoluminescence Imaging of Polyfluorene Surface Structures on Semiconducting Carbon Nanotubes: Implications for Thin Film Exciton Transport. ACS Nano, 2016, 10, 11449-11458.	14.6	11
11	Tuning the driving force for exciton dissociation in single-walled carbon nanotube heterojunctions. Nature Chemistry, 2016, 8, 603-609.	13.6	79
12	Polymer-Free Carbon Nanotube Thermoelectrics with Improved Charge Carrier Transport and Power Factor. ACS Energy Letters, 2016, 1, 1212-1220.	17.4	76
13	Tailored semiconducting carbon nanotube networks with enhanced thermoelectric properties. Nature Energy, 2016, 1, .	39.5	270
14	Efficient charge extraction and slow recombination in organic–inorganic perovskites capped with semiconducting single-walled carbon nanotubes. Energy and Environmental Science, 2016, 9, 1439-1449.	30.8	126
15	Isolation of >1 nm Diameter Single-Wall Carbon Nanotube Species Using Aqueous Two-Phase Extraction. ACS Nano, 2015, 9, 5377-5390.	14.6	137
16	Imaging interfacial layers and internal fields in nanocrystalline junctions. , 2014, , .		0
17	PbSe Quantum Dot Field-Effect Transistors with Air-Stable Electron Mobilities above 7 cm ² V ^{–1} s ^{–1} . Nano Letters, 2013, 13, 1578-1587.	9.1	228
18	The Photothermal Stability of PbS Quantum Dot Solids. ACS Nano, 2011, 5, 8175-8186.	14.6	130

#	Article	IF	CITATIONS
19	Dependence of Carrier Mobility on Nanocrystal Size and Ligand Length in PbSe Nanocrystal Solids. Nano Letters, 2010, 10, 1960-1969.	9.1	645
20	Probing the Complete Folding Trajectory of a DNA Hairpin Using Dual Beam Fluorescence Fluctuation Spectroscopy. Journal of Physical Chemistry B, 2008, 112, 127-133.	2.6	49