

Han Li

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

648
citations

687363

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580821

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27
docs citations

27
times ranked

823
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection and Imaging of the Plant Pathogen Response by Near-Infrared Fluorescent Polyphenol Sensors. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	27
2	Global Alignment of Carbon Nanotubes via High Precision Microfluidic Dead-End Filtration. <i>Advanced Functional Materials</i> , 2022, 32, 2107411.	14.9	10
3	Frontispiz: Detektion und Visualisierung der Pflanzen-Pathogen-Response durch Nah-Infrarot-fluoreszente Polyphenolsensoren. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
4	Frontispiece: Detection and Imaging of the Plant Pathogen Response by Near-Infrared Fluorescent Polyphenol Sensors. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	1
5	Diameter-dependent single- and double-file stacking of squaraine dye molecules inside chirality-sorted single-wall carbon nanotubes. <i>Nanoscale</i> , 2022, 14, 8385-8397.	5.6	1
6	Carbon Nanotubes for Photovoltaics: From Lab to Industry. <i>Advanced Energy Materials</i> , 2021, 11, 2002880.	19.5	59
7	Solution processable in situ passivated silicon nanowires. <i>Nanoscale</i> , 2021, 13, 11439-11445.	5.6	3
8	Endohedral Filling Effects in Sorted and Polymer-Wrapped Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7476-7487.	3.1	8
9	Sensing with Chirality-Pure Near-Infrared Fluorescent Carbon Nanotubes. <i>Analytical Chemistry</i> , 2021, 93, 6446-6455.	6.5	45
10	Charge Transfer from Photoexcited Semiconducting Single-Walled Carbon Nanotubes to Wide-Bandgap Wrapping Polymer. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8125-8136.	3.1	9
11	Moiré-Induced Vibrational Coupling in Double-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2021, 21, 6732-6739.	9.1	9
12	Stable Organic Passivated Carbon Nanotube-Silicon Solar Cells with an Efficiency of 22%. <i>Advanced Science</i> , 2021, 8, e2102027.	11.2	12
13	Low-Temperature Electroluminescence Excitation Mapping of Excitons and Trions in Short-Channel Monochiral Carbon Nanotube Devices. <i>ACS Nano</i> , 2020, 14, 2709-2717.	14.6	19
14	Separation of Specific Single-Enantiomer Single-Wall Carbon Nanotubes in the Large-Diameter Regime. <i>ACS Nano</i> , 2020, 14, 948-963.	14.6	75
15	Ferroelectric-like organic-inorganic interfaces. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15677-15684.	5.5	4
16	A Polymer/Carbon Nanotube Ink as a Boron-Dopant/Inorganic Passivation Free Carrier Selective Contact for Silicon Solar Cells with over 21% Efficiency. <i>Advanced Functional Materials</i> , 2020, 30, 2004476.	14.9	29
17	Front and Back Junction Carbon Nanotube-Silicon Solar Cells with an Industrial Architecture. <i>Advanced Functional Materials</i> , 2020, 30, 2000484.	14.9	33
18	Separation of Small-Diameter Single-Walled Carbon Nanotubes in One to Three Steps with Aqueous Two-Phase Extraction. <i>ACS Nano</i> , 2019, 13, 2567-2578.	14.6	61

#	ARTICLE	IF	CITATIONS
19	Frontispiece: Effect of Single-walled Carbon Nanotube (SWCNT) Composition on Polyfluorene-Based SWCNT Dispersion Selectivity. Chemistry - A European Journal, 2018, 24, .	3.3	1
20	Effect of Single-walled Carbon Nanotube (SWCNT) Composition on Polyfluorene-Based SWCNT Dispersion Selectivity. Chemistry - A European Journal, 2018, 24, 9799-9806.	3.3	11
21	Inner- and outer-wall sorting of double-walled carbon nanotubes. Nature Nanotechnology, 2017, 12, 1176-1182.	31.5	32
22	Systemic and immunotoxicity of pristine and PEGylated multi-walled carbon nanotubes in an intravenous 28 days repeated dose toxicity study. International Journal of Nanomedicine, 2017, Volume 12, 1539-1554.	6.7	39
23	Surface modification of multiwall carbon nanotubes determines the pro-inflammatory outcome in macrophage. Journal of Hazardous Materials, 2015, 284, 73-82.	12.4	38
24	Dynamical Contact Line Pinning and Zipping during Carbon Nanotube Coffee Stain Formation. ACS Nano, 2014, 8, 6417-6424.	14.6	28
25	Comparison of cytotoxic and inflammatory responses of pristine and functionalized multi-walled carbon nanotubes in RAW 264.7 mouse macrophages. Journal of Hazardous Materials, 2012, 219-220, 203-212.	12.4	81
26	In Vivo evaluation of acute toxicity of water-soluble carbon nanotubes. Toxicological and Environmental Chemistry, 2011, 93, 603-615.	1.2	11
27	Detection and imaging of the plant pathogen response by near infrared fluorescent polyphenol sensors. Angewandte Chemie, 0, , .	2.0	2