

Hua Jiang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9606077/publications.pdf>

Version: 2024-02-01

58
papers

1,833
citations

257101

24
h-index

276539

41
g-index

65
all docs

65
docs citations

65
times ranked

2986
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-Diameter Carbon Nanotube Transparent Conductor Overcoming Performance-Yield Tradeoff. <i>Advanced Functional Materials</i> , 2022, 32, 2103397.	7.8	24
2	InSb Nanowire Direct Growth on Plastic for Monolithic Flexible Device Fabrication. <i>ACS Applied Electronic Materials</i> , 2022, 4, 539-545.	2.0	1
3	Molybdenum Disulfide/Double-Wall Carbon Nanotube Mixed-Dimensional Heterostructures. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	6
4	Direct GaAs Nanowire Growth and Monolithic Light-Emitting Diode Fabrication on Flexible Plastic Substrates. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	4
5	High-resolution crystal structure of a 20-kDa superfluorinated gold nanocluster. <i>Nature Communications</i> , 2022, 13, 2607.	5.8	10
6	Colors of Single-Wall Carbon Nanotubes. <i>Advanced Materials</i> , 2021, 33, e2006395.	11.1	18
7	Carbon Nanotubes: Colors of Single-Wall Carbon Nanotubes (Adv. Mater. 8/2021). <i>Advanced Materials</i> , 2021, 33, 2170060.	11.1	1
8	A semi-grand canonical kinetic Monte Carlo study of single-walled carbon nanotube growth. <i>AIP Advances</i> , 2021, 11, .	0.6	6
9	Reuse of LiCoO ₂ Electrodes Collected from Spent Li-Ion Batteries after Electrochemical Re-Lithiation of the Electrode. <i>ChemSusChem</i> , 2021, 14, 2434-2444.	3.6	21
10	Understanding the Stabilizing Effects of Nanoscale Metal Oxide and Li-Metal Oxide Coatings on Lithium-Ion Battery Positive Electrode Materials. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42773-42790.	4.0	18
11	High-performance transparent conducting films of long single-walled carbon nanotubes synthesized from toluene alone. <i>Nano Research</i> , 2020, 13, 112-120.	5.8	29
12	Hybrid Low-Dimensional Carbon Allotropes Formed in Gas Phase. <i>Advanced Functional Materials</i> , 2020, 30, 2005016.	7.8	11
13	A structure and activity relationship for single-walled carbon nanotube growth confirmed by <i>in situ</i> observations and modeling. <i>Nanoscale</i> , 2020, 12, 21923-21931.	2.8	9
14	Effect of Electrochemical Oxidation on Physicochemical Properties of Fe-Containing Single-Walled Carbon Nanotubes. <i>ChemElectroChem</i> , 2020, 7, 4136-4143.	1.7	4
15	Electrochemical Detection of Oxycodone and Its Main Metabolites with Nafion-Coated Single-Walled Carbon Nanotube Electrodes. <i>Analytical Chemistry</i> , 2020, 92, 8218-8227.	3.2	31
16	Hydrodeoxygenation of Levulinic Acid Dimers on a Zirconia-Supported Ruthenium Catalyst. <i>Catalysts</i> , 2020, 10, 200.	1.6	12
17	Single-Walled Carbon Nanotube Network Electrodes for the Detection of Fentanyl Citrate. <i>ACS Applied Nano Materials</i> , 2020, 3, 1203-1212.	2.4	28
18	Highly Luminescent Gold Nanocluster Frameworks. <i>Advanced Optical Materials</i> , 2019, 7, 1900620.	3.6	42

#	ARTICLE	IF	CITATIONS
19	In-Situ Measurements of Single Walled Carbon Nanotube Growth Reveal the Structures of Active and Inactive Catalyst Nanoparticles. <i>Microscopy and Microanalysis</i> , 2019, 25, 1452-1453.	0.2	0
20	Growth kinetics of single-walled carbon nanotubes with a (2 <i>n</i> , <i>n</i>) chirality selection. <i>Science Advances</i> , 2019, 5, eaav9668.	4.7	42
21	Can Single-Walled Carbon Nanotube Diameter Be Defined by Catalyst Particle Diameter?. <i>Journal of Physical Chemistry C</i> , 2019, 123, 30305-30317.	1.5	17
22	Thermal conductivity suppression in GaAs-AlAs core-shell nanowire arrays. <i>Nanoscale</i> , 2019, 11, 20507-20513.	2.8	9
23	Can single-walled carbon nanotube diameter be defined by catalyst particle diameter?. <i>Journal of Physical Chemistry C</i> , 2019, 123, .	1.5	1
24	III-V nanowires on black silicon and low-temperature growth of self-catalyzed rectangular InAs NWs. <i>Scientific Reports</i> , 2018, 8, 6410.	1.6	11
25	Validity of Measuring Metallic and Semiconducting Single-Walled Carbon Nanotube Fractions by Quantitative Raman Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 2517-2525.	3.2	34
26	Growth modes and chiral selectivity of single-walled carbon nanotubes. <i>Nanoscale</i> , 2018, 10, 6744-6750.	2.8	67
27	Gas phase synthesis of metallic and bimetallic catalyst nanoparticles by rod-to-tube type spark discharge generator. <i>Journal of Aerosol Science</i> , 2018, 123, 208-218.	1.8	23
28	Nanowire network-based multifunctional all-optical logic gates. <i>Science Advances</i> , 2018, 4, eaar7954.	4.7	51
29	Direct Synthesis of Colorful Single-Walled Carbon Nanotube Thin Films. <i>Journal of the American Chemical Society</i> , 2018, 140, 9797-9800.	6.6	59
30	Atomic-Scale Deformations at the Interface of a Mixed-Dimensional van der Waals Heterostructure. <i>ACS Nano</i> , 2018, 12, 8512-8519.	7.3	19
31	Catalyst Support Effect on the Activity and Durability of Magnetic Nanoparticles: toward Design of Advanced Electrocatalyst for Full Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31300-31311.	4.0	64
32	Application-Specific Catalyst Layers: Pt-Containing Carbon Nanofibers for Hydrogen Peroxide Detection. <i>ACS Omega</i> , 2017, 2, 496-507.	1.6	21
33	Growth Termination and Multiple Nucleation of Single-Wall Carbon Nanotubes Evidenced by <i>in Situ</i> Transmission Electron Microscopy. <i>ACS Nano</i> , 2017, 11, 4483-4493.	7.3	60
34	Tailorable second-harmonic generation from an individual nanowire using spatially phase-shaped beams. <i>Laser and Photonics Reviews</i> , 2017, 11, 1600175.	4.4	23
35	Electrochemical Activation of Single-Walled Carbon Nanotubes with Pseudo-Atomic-Scale Platinum for the Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2017, 7, 3121-3130.	5.5	279
36	Direct observation of nanowire growth and decomposition. <i>Scientific Reports</i> , 2017, 7, 12310.	1.6	8

#	ARTICLE	IF	CITATIONS
37	Minimizing structural deformation of gold nanorods in plasmon-enhanced dye-sensitized solar cells. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	3
38	Protective capping and surface passivation of III-V nanowires by atomic layer deposition. <i>AIP Advances</i> , 2016, 6, .	0.6	29
39	Growth of semiconducting single-wall carbon nanotubes with a narrow band-gap distribution. <i>Nature Communications</i> , 2016, 7, 11160.	5.8	75
40	Maghemite nanoparticles decorated on carbon nanotubes as efficient electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5216-5222.	5.2	65
41	A reference material of single-walled carbon nanotubes: quantitative chirality assessment using optical absorption spectroscopy. <i>RSC Advances</i> , 2015, 5, 102974-102980.	1.7	15
42	A Novel Method for Continuous Synthesis of ZnO Tetrapods. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16366-16373.	1.5	30
43	Dry Functionalization and Doping of Single-Walled Carbon Nanotubes by Ozone. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27821-27828.	1.5	34
44	Insights into chirality distributions of single-walled carbon nanotubes grown on different Co _x Mg _{1-x} O solid solutions. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5883-5889.	5.2	26
45	Investigation of plasmonic gold-silica core-shell nanoparticle stability in dye-sensitized solar cell applications. <i>Journal of Colloid and Interface Science</i> , 2014, 427, 54-61.	5.0	24
46	Structural Characteristics of Natural-Gas-Vehicle-Aged Oxidation Catalyst. <i>Topics in Catalysis</i> , 2013, 56, 576-585.	1.3	27
47	Orbital and spin magnetic moments of transforming one-dimensional iron inside metallic and semiconducting carbon nanotubes. <i>Physical Review B</i> , 2013, 87, .	1.1	23
48	GaAs nanowires grown on Al-doped ZnO buffer layer. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	8
49	Growth Mechanism of Single-Walled Carbon Nanotubes on Iron-Copper Catalyst and Chirality Studies by Electron Diffraction. <i>Chemistry of Materials</i> , 2012, 24, 1796-1801.	3.2	63
50	Influence of different synthesis approach on doping behavior of silver nanoparticles onto the iron oxide-silica coreshell surfaces. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	7
51	Preparation of amino acid nanoparticles at varying saturation conditions in an aerosol flow reactor. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	3
52	Nitrogen-Doped Single-Walled Carbon Nanotube Thin Films Exhibiting Anomalous Sheet Resistances. <i>Chemistry of Materials</i> , 2011, 23, 2201-2208.	3.2	43
53	Low temperature growth of SWNTs on a nickel catalyst by thermal chemical vapor deposition. <i>Nano Research</i> , 2011, 4, 334-342.	5.8	50
54	Tailoring the diameter of single-walled carbon nanotubes for optical applications. <i>Nano Research</i> , 2011, 4, 807-815.	5.8	76

#	ARTICLE	IF	CITATIONS
55	Nitrogen-doped SWCNT synthesis using ammonia and carbon monoxide. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2726-2729.	0.7	19
56	Temperature Dependent Raman Spectra of Carbon Nanobuds. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13540-13545.	1.5	22
57	Selective Covalent Functionalization of Carbon Nanobuds. <i>Chemistry of Materials</i> , 2010, 22, 4347-4349.	3.2	16
58	Thermoelectric Characteristics of InAs Nanowire Networks Directly Grown on Flexible Plastic Substrates. <i>ACS Applied Energy Materials</i> , 0, , .	2.5	3