

Yan Li

List of Publications by Year in descending order

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206
papers

11,684
citations

34076

52
h-index

30058

103
g-index

210
all docs

210
docs citations

210
times ranked

13660
citing authors

#	ARTICLE	IF	CITATIONS
1	Chirality-specific growth of single-walled carbon nanotubes on solid alloy catalysts. <i>Nature</i> , 2014, 510, 522-524.	13.7	677
2	Best Practices for Reporting Electrocatalytic Performance of Nanomaterials. <i>ACS Nano</i> , 2018, 12, 9635-9638.	7.3	537
3	Fabrication of Ultralong and Electrically Uniform Single-Walled Carbon Nanotubes on Clean Substrates. <i>Nano Letters</i> , 2009, 9, 3137-3141.	4.5	516
4	Selective Growth of Well-Aligned Semiconducting Single-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2009, 9, 800-805.	4.5	426
5	Carbon Nanotubes and Related Nanomaterials: Critical Advances and Challenges for Synthesis toward Mainstream Commercial Applications. <i>ACS Nano</i> , 2018, 12, 11756-11784.	7.3	388
6	Copper Catalyzing Growth of Single-Walled Carbon Nanotubes on Substrates. <i>Nano Letters</i> , 2006, 6, 2987-2990.	4.5	350
7	Doping-Free Fabrication of Carbon Nanotube Based Ballistic CMOS Devices and Circuits. <i>Nano Letters</i> , 2007, 7, 3603-3607.	4.5	319
8	Preparation of Monodispersed Fe ^{III} Mo Nanoparticles as the Catalyst for CVD Synthesis of Carbon Nanotubes. <i>Chemistry of Materials</i> , 2001, 13, 1008-1014.	3.2	303
9	Why Single-Walled Carbon Nanotubes Can Be Dispersed in Imidazolium-Based Ionic Liquids. <i>ACS Nano</i> , 2008, 2, 2540-2546.	7.3	296
10	Chirality Pure Carbon Nanotubes: Growth, Sorting, and Characterization. <i>Chemical Reviews</i> , 2020, 120, 2693-2758.	23.0	278
11	Electrochemical AFM Dip-Pen Nanolithography. <i>Journal of the American Chemical Society</i> , 2001, 123, 2105-2106.	6.6	250
12	One-dimensional van der Waals heterostructures. <i>Science</i> , 2020, 367, 537-542.	6.0	238
13	Size-Dependent Enhancement of Electrocatalytic Oxygen Reduction and Hydrogen Evolution Performance of MoS ₂ Particles. <i>Chemistry - A European Journal</i> , 2013, 19, 11939-11948.	1.7	226
14	Carbon Nanomaterials in Different Dimensions for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , 2016, 6, 1600278.	10.2	219
15	The Future of Layer-by-Layer Assembly: A Tribute to <i>ACS Nano</i> Associate Editor Helmuth Mhwald. <i>ACS Nano</i> , 2019, 13, 6151-6169.	7.3	211
16	Ultralow Feeding Gas Flow Guiding Growth of Large-Scale Horizontally Aligned Single-Walled Carbon Nanotube Arrays. <i>Nano Letters</i> , 2007, 7, 2073-2079.	4.5	189
17	Self-Aligned Ballistic n-Type Single-Walled Carbon Nanotube Field-Effect Transistors with Adjustable Threshold Voltage. <i>Nano Letters</i> , 2008, 8, 3696-3701.	4.5	154
18	Y-Contacted High-Performance n-Type Single-Walled Carbon Nanotube Field-Effect Transistors: Scaling and Comparison with Sc-Contacted Devices. <i>Nano Letters</i> , 2009, 9, 4209-4214.	4.5	150

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19	Carbon nanotubes combined with inorganic nanomaterials: Preparations and applications. <i>Coordination Chemistry Reviews</i> , 2010, 254, 1117-1134.	9.5	145
20	CMOS-based carbon nanotube pass-transistor logic integrated circuits. <i>Nature Communications</i> , 2012, 3, 677.	5.8	145
21	Carbon nanotube-based electrodes for flexible supercapacitors. <i>Nano Research</i> , 2020, 13, 1825-1841.	5.8	142
22	Efficient photovoltage multiplication in carbon nanotubes. <i>Nature Photonics</i> , 2011, 5, 672-676.	15.6	133
23	Solid-State, Polymer-Based Fiber Solar Cells with Carbon Nanotube Electrodes. <i>ACS Nano</i> , 2012, 6, 11027-11034.	7.3	132
24	Au Ink for AFM Dip-Pen Nanolithography. <i>Langmuir</i> , 2001, 17, 2575-2578.	1.6	129
25	Growing Zigzag (16,0) Carbon Nanotubes with Structure-Defined Catalysts. <i>Journal of the American Chemical Society</i> , 2015, 137, 8688-8691.	6.6	118
26	Single Crystalline Trigonal Selenium Nanotubes and Nanowires Synthesized by Sonochemical Process. <i>Crystal Growth and Design</i> , 2005, 5, 911-916.	1.4	115
27	How Catalysts Affect the Growth of Single-Walled Carbon Nanotubes on Substrates. <i>Advanced Materials</i> , 2010, 22, 1508-1515.	11.1	112
28	CVD synthesis and purification of single-walled carbon nanotubes on aerogel-supported catalyst. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, 345-348.	1.1	109
29	Cell imaging by graphene oxide based on surface enhanced Raman scattering. <i>Nanoscale</i> , 2012, 4, 7084.	2.8	109
30	One-pot facile fabrication of carbon-coated Bi ₂ S ₃ nanomeshes with efficient Li-storage capability. <i>Nano Research</i> , 2014, 7, 765-773.	5.8	105
31	Almost Perfectly Symmetric SWCNT-Based CMOS Devices and Scaling. <i>ACS Nano</i> , 2009, 3, 3781-3787.	7.3	100
32	Water-Assisted Preparation of High-Purity Semiconducting (14,4) Carbon Nanotubes. <i>ACS Nano</i> , 2017, 11, 186-193.	7.3	100
33	Lattice-Oriented Growth of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6505-6508.	1.2	98
34	Engineering active edge sites of fractal-shaped single-layer MoS ₂ catalysts for high-efficiency hydrogen evolution. <i>Nano Energy</i> , 2018, 51, 786-792.	8.2	98
35	Decoration of Gold Nanoparticles on Surface-Grown Single-Walled Carbon Nanotubes for Detection of Every Nanotube by Surface-Enhanced Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 14310-14316.	6.6	97
36	The dispersion and aggregation of graphene oxide in aqueous media. <i>Nanoscale</i> , 2016, 8, 14587-14592.	2.8	95

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37	Templated Synthesis of Single-Walled Carbon Nanotubes with Specific Structure. <i>Accounts of Chemical Research</i> , 2016, 49, 606-615.	7.6	94
38	Shape-Controlled Synthesis of CdS Nanocrystals in Mixed Solvents. <i>Crystal Growth and Design</i> , 2005, 5, 1801-1806.	1.4	93
39	Carbon nanotube-wired and oxygen-deficient MoO ₃ nanobelts with enhanced lithium-storage capability. <i>Journal of Power Sources</i> , 2014, 247, 90-94.	4.0	92
40	High-Performance Carbon Nanotube Light-Emitting Diodes with Asymmetric Contacts. <i>Nano Letters</i> , 2011, 11, 23-29.	4.5	91
41	Ionic-Liquid-Assisted Preparation of Carbon Nanotube-Supported Uniform Noble Metal Nanoparticles and Their Enhanced Catalytic Performance. <i>Advanced Functional Materials</i> , 2010, 20, 3747-3752.	7.8	90
42	Preparation of Cadmium Sulfide Nanowire Arrays in Anodic Aluminum Oxide Templates. <i>Chemistry of Materials</i> , 1999, 11, 3433-3435.	3.2	86
43	Growth of Semiconducting Single-Walled Carbon Nanotubes by Using Ceria as Catalyst Supports. <i>Nano Letters</i> , 2014, 14, 512-517.	4.5	80
44	Atomic-scale structural identification and evolution of Co-W-C ternary SWCNT catalytic nanoparticles: High-resolution STEM imaging on SiO ₂ . <i>Science Advances</i> , 2019, 5, eaat9459.	4.7	71
45	Carbon nanotubes for flexible batteries: recent progress and future perspective. <i>National Science Review</i> , 2021, 8, nwaa261.	4.6	71
46	Spectroscopic Evidence and Molecular Simulation Investigation of the π-π Interaction Between Pyrene Molecules and Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 2366-2375.	0.9	70
47	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. <i>Nature Nanotechnology</i> , 2020, 15, 164-166.	15.6	69
48	A Doping-Free Carbon Nanotube CMOS Inverter-Based Bipolar Diode and Ambipolar Transistor. <i>Advanced Materials</i> , 2008, 20, 3258-3262.	11.1	66
49	The formation of cadmium sulfide nanowires in different liquid crystal systems. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 286, 106-109.	2.6	57
50	Preparation of silver nanowire arrays in anodic aluminum oxide templates. <i>Journal of Materials Science Letters</i> , 2001, 20, 925-927.	0.5	56
51	Metallic Catalysts for Structure-Controlled Growth of Single-Walled Carbon Nanotubes. <i>Topics in Current Chemistry</i> , 2017, 375, 29.	3.0	55
52	Nitrogen-Doped Single-Walled Carbon Nanotubes Grown on Substrates: Evidence for Framework Doping and Their Enhanced Properties. <i>Advanced Functional Materials</i> , 2011, 21, 986-992.	7.8	54
53	Composite Films Based on Aligned Carbon Nanotube Arrays and a Poly(N-isopropyl Acrylamide) Hydrogel. <i>Advanced Materials</i> , 2008, 20, 2201-2205.	11.1	53
54	Defective super-long carbon nanotubes and polypyrrole composite for high-performance supercapacitor electrodes. <i>Electrochimica Acta</i> , 2012, 66, 279-286.	2.6	51

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55	Sacrificial template growth of CdS nanotubes from Cd(OH) ₂ nanowires. Journal of Solid State Chemistry, 2006, 179, 96-102.	1.4	49
56	Electronic transport in single-walled carbon nanotube/graphene junction. Applied Physics Letters, 2011, 99, .	1.5	48
57	(n,m) Assignments and quantification for single-walled carbon nanotubes on SiO ₂ /Si substrates by resonant Raman spectroscopy. Nanoscale, 2015, 7, 10719-10727.	2.8	48
58	Tensile Loading of Double-Walled and Triple-Walled Carbon Nanotubes and their Mechanical Properties. Journal of Physical Chemistry C, 2009, 113, 17002-17005.	1.5	47
59	Solution-Phase Synthesis of Heteroatom-Substituted Carbon Scaffolds for Hydrogen Storage. Journal of the American Chemical Society, 2010, 132, 15246-15251.	6.6	47
60	Carbon nanomaterials for photovoltaic process. Nano Energy, 2015, 15, 490-522.	8.2	47
61	Solvothermal synthesis of nanocrystalline cadmium sulfide. Journal of Materials Science, 2000, 35, 5933-5937.	1.7	46
62	Creation of Cadmium Sulfide Nanostructures Using AFM Dip-Pen Nanolithography. Journal of Physical Chemistry B, 2005, 109, 22337-22340.	1.2	45
63	Photovoltaic Effects in Asymmetrically Contacted CNT Barrier-Free Bipolar Diode. Journal of Physical Chemistry C, 2009, 113, 6891-6893.	1.5	45
64	Toward Complete Resolution of DNA/Carbon Nanotube Hybrids by Aqueous Two-Phase Systems. Journal of the American Chemical Society, 2019, 141, 20177-20186.	6.6	45
65	Host-Guest Molecular Interaction Enabled Separation of Large-Diameter Semiconducting Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2021, 143, 10120-10130.	6.6	44
66	Hydroxyl-rich ceria hydrate nanoparticles enhancing the alcohol electrooxidation performance of Pt catalysts. Journal of Materials Chemistry A, 2018, 6, 2318-2326.	5.2	43
67	Direct Preparation and Patterning of Iron Oxide Nanoparticles via Microcontact Printing on Silicon Wafers for the Growth of Single-Walled Carbon Nanotubes. Chemistry of Materials, 2006, 18, 4109-4114.	3.2	42
68	Controllable preparation and properties of composite materials based on ceria nanoparticles and carbon nanotubes. Journal of Solid State Chemistry, 2008, 181, 2620-2625.	1.4	42
69	Preparation and electrochemical properties of MnO ₂ nanosheets attached to Au nanoparticles on carbon nanotubes. Dalton Transactions, 2011, 40, 2332-2337.	1.6	42
70	Pencil-Drawing Skin-Mountable Micro-Supercapacitors. Small, 2019, 15, e1804037.	5.2	42
71	Single-layer graphene sheets as counter electrodes for fiber-shaped polymer solar cells. RSC Advances, 2013, 3, 13720.	1.7	40
72	Selective Band Structure Modulation of Single-Walled Carbon Nanotubes in Ionic Liquids. Journal of the American Chemical Society, 2009, 131, 5364-5365.	6.6	39

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73	Rational preparation of faceted platinum nanocrystals supported on carbon nanotubes with remarkably enhanced catalytic performance. <i>Chemical Communications</i> , 2009, , 7167.	2.2	39
74	In situ measurements on individual thin carbon nanotubes using nanomanipulators inside a scanning electron microscope. <i>Ultramicroscopy</i> , 2010, 110, 182-189.	0.8	39
75	Atomic Scale Stability of Tungstenâ€Cobalt Intermetallic Nanocrystals in Reactive Environment at High Temperature. <i>Journal of the American Chemical Society</i> , 2019, 141, 5871-5879.	6.6	39
76	Kelvin probe force microscopy study on nanotriboelectrification. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	38
77	Direct Growth of Single-Walled Carbon Nanotubes without Metallic Residues by Using Lead as a Catalyst. <i>Chemistry of Materials</i> , 2008, 20, 7521-7525.	3.2	36
78	Large Signal Operation of Small Band-Gap Carbon Nanotube-Based Ambipolar Transistor: A High-Performance Frequency Doubler. <i>Nano Letters</i> , 2010, 10, 3648-3655.	4.5	36
79	Atomic origins of the strong metalâ€support interaction in silica supported catalysts. <i>Chemical Science</i> , 2021, 12, 12651-12660.	3.7	36
80	Carbon-Involved Near-Surface Evolution of Cobalt Nanocatalysts: An in Situ Study. <i>CCS Chemistry</i> , 2021, 3, 154-167.	4.6	36
81	Comparison between Copper and Iron as Catalyst for Chemical Vapor Deposition of Horizontally Aligned Ultralong Single-Walled Carbon Nanotubes on Silicon Substrates. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15547-15552.	1.5	35
82	One-dimensional van der Waals heterostructures: Growth mechanism and handedness correlation revealed by nondestructive TEM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	35
83	Dispersing Carbon-Based Nanomaterials in Aqueous Phase by Graphene Oxides. <i>Langmuir</i> , 2013, 29, 13527-13534.	1.6	34
84	Graphene Oxide as a Multifunctional Platform for Raman and Fluorescence Imaging of Cells. <i>Small</i> , 2015, 11, 3000-3005.	5.2	33
85	Self-Aligned U-Gate Carbon Nanotube Field-Effect Transistor with Extremely Small Parasitic Capacitance and Drain-Induced Barrier Lowering. <i>ACS Nano</i> , 2011, 5, 2512-2519.	7.3	32
86	Spectroscopic Characterization of the Chiral Structure of Individual Singleâ€Walled Carbon Nanotubes and the Edge Structure of Isolated Graphene Nanoribbons. <i>Small</i> , 2013, 9, 1284-1304.	5.2	32
87	Towards Entireâ€Carbonâ€Nanotube Circuits: The Fabrication of Singleâ€Walledâ€Carbonâ€Nanotube Fieldâ€Effect Transistors with Local Multiwalledâ€Carbonâ€Nanotube Interconnects. <i>Advanced Materials</i> , 2009, 21, 1339-1343.	11.1	31
88	Direct observation of the strong interaction between carbon nanotubes and quartz substrate. <i>Nano Research</i> , 2009, 2, 903.	5.8	31
89	2â€D Hybrid of Niâ€LDH Chips on Carbon Nanosheets as Cathode of Zincâ€Air Battery for Electrocatalytic Conversion of O_2 into H_2O_2 . <i>ChemSusChem</i> , 2020, 13, 1496-1503.	3.6	30
90	Carbon nanotube supported bifunctional electrocatalysts containing iron-nitrogen-carbon active sites for zinc-air batteries. <i>Nano Research</i> , 2021, 14, 4541-4547.	5.8	30

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91	Composites of Functional Poly(phenylacetylene)s and Single-Walled Carbon Nanotubes: Preparation, Dispersion, and Near Infrared Photoresponsive Properties. <i>Macromolecules</i> , 2013, 46, 8479-8487.	2.2	29
92	Preferential Growth of Single-Walled Carbon Nanotubes on Silica Spheres by Chemical Vapor Deposition. <i>Journal of Physical Chemistry B</i> , 2005, 109, 6963-6967.	1.2	28
93	(n,m) Assignments of Metallic Single-Walled Carbon Nanotubes by Raman Spectroscopy: The Importance of Electronic Raman Scattering. <i>ACS Nano</i> , 2016, 10, 10789-10797.	7.3	27
94	The Quarter-Century Anniversary of Carbon Nanotube Research. <i>ACS Nano</i> , 2017, 11, 1-2.	7.3	26
95	Carbon-metal oxide nanocomposites as lithium-sulfur battery cathodes. <i>Functional Materials Letters</i> , 2018, 11, 1830007.	0.7	24
96	Stable Doping of Single-Walled Carbon Nanotubes for Flexible Transparent Conductive Films. <i>ACS Nano</i> , 2022, 16, 1063-1071.	7.3	24
97	Anisotropic Etching of Graphite Flakes with Water Vapor to Produce Armchair-Edged Graphene. <i>Small</i> , 2014, 10, 2809-2814.	5.2	23
98	Ultra-high secondary electron emission of carbon nanotubes. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	22
99	Nanoscience and Nanotechnology Impacting Diverse Fields of Science, Engineering, and Medicine. <i>ACS Nano</i> , 2016, 10, 10615-10617.	7.3	22
100	Molecular simulation study of different monolayers on Si (111) surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 242, 129-135.	2.3	21
101	Inorganic hierarchical nanostructures induced by concentration difference and gradient. <i>Nano Research</i> , 2008, 1, 213-220.	5.8	21
102	The preparation of multi-walled carbon nanotubes encapsulated by poly(3-acrylamino-propylsiloxane) with silica nanospheres on the polymer surface. <i>Carbon</i> , 2008, 46, 1670-1677.	5.4	21
103	Selective growth of chirality-enriched semiconducting carbon nanotubes by using bimetallic catalysts from salt precursors. <i>Nanoscale</i> , 2018, 10, 6922-6927.	2.8	21
104	Single-walled carbon nanotube based SERS substrate with single molecule sensitivity. <i>Nano Research</i> , 2022, 15, 694-700.	5.8	21
105	One-Dimensional van der Waals Heterostructures: A Perspective. <i>ACS Nanoscience Au</i> , 2022, 2, 3-11.	2.0	21
106	Flexible orientation control of ultralong single-walled carbon nanotubes by gas flow. <i>Nanotechnology</i> , 2009, 20, 185601.	1.3	20
107	Visualization of individual single-walled carbon nanotubes under an optical microscope as a result of decoration with gold nanoparticles. <i>Carbon</i> , 2011, 49, 1182-1188.	5.4	19
108	Reliability tests and improvements for Sc-contacted n-type carbon nanotube transistors. <i>Nano Research</i> , 2013, 6, 535-545.	5.8	19

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109	Large-scale aligned crystalline CH ₃ NH ₃ Pb ₃ perovskite array films. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18847-18851.	5.2	19
110	Diameter-specific growth of single-walled carbon nanotubes using tungsten supported nickel catalysts. <i>Carbon</i> , 2017, 118, 485-492.	5.4	19
111	Suspended, Straightened Carbon Nanotube Arrays by Gel Chapping. <i>ACS Nano</i> , 2011, 5, 5656-5661.	7.3	18
112	Monolithic flexible supercapacitors drawn with nitrogen-doped carbon nanotube-graphene ink. <i>Materials Research Bulletin</i> , 2021, 139, 111266.	2.7	18
113	Site-Specific Deposition of Gold Nanoparticles on SWNTs. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13437-13441.	1.5	17
114	Preparation and electrocatalytic properties of triuranium octoxide supported on reduced graphene oxide. <i>Nano Research</i> , 2015, 8, 546-553.	5.8	17
115	Cadmium sulfide nanorods formed in microemulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 257-258, 497-501.	2.3	16
116	Photoluminescence from Exciton Energy Transfer of Single-Walled Carbon Nanotube Bundles Dispersed in Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22028-22035.	1.5	16
117	Diameter-controlled growth of aligned single-walled carbon nanotubes on quartz using molecular nanoclusters as catalyst precursors. <i>Science Bulletin</i> , 2013, 58, 433-439.	1.7	16
118	Reduced graphene oxide decorated with Bi ₂ O _{2.33} nanodots for superior lithium storage. <i>Nano Research</i> , 2017, 10, 3690-3697.	5.8	16
119	Applications of Carbon Nanotubes in Oxygen Electrocatalytic Reactions. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20455-20462.	4.0	16
120	Kinetic diffusion-controlled synthesis of twinned intermetallic nanocrystals for CO-resistant catalysis. <i>Science Advances</i> , 2022, 8, .	4.7	16
121	Preparation and properties of CdS/Au composite nanorods and hollow Au tubes. <i>Science Bulletin</i> , 2010, 55, 921-926.	1.7	15
122	Targeted Raman Imaging of Cells Using Graphene Oxide-Based Hybrids. <i>Langmuir</i> , 2016, 32, 10253-10258.	1.6	15
123	Cu _x S nanoparticle@carbon nanorod composites prepared from metal-organic frameworks as efficient electrode catalysts for quantum dot sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2210-2218.	5.2	15
124	Carbon Nanotube Research in Its 30th Year. <i>ACS Nano</i> , 2021, 15, 9197-9200.	7.3	15
125	MECHANISM OF THE EXTRACTANT LOSS IN LANTHANIDE EXTRACTION PROCESS WITH SAPONIFIED ORGANOPHOSPHORUS ACID EXTRACTION SYSTEMS II: FORMATION OF AQUEOUS AGGREGATES. <i>Solvent Extraction and Ion Exchange</i> , 1996, 14, 585-601.	0.8	13
126	Structure Dependence of the Intermediate-Frequency Raman Modes in Isolated Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 23826-23832.	1.5	13

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127	Catalysts for single-wall carbon nanotube synthesis—From surface growth to bulk preparation. <i>MRS Bulletin</i> , 2017, 42, 809-818.	1.7	13
128	3D Vertical Arrays of Nanomaterials for Microscaled Energy Storage Devices. <i>Accounts of Materials Research</i> , 2021, 2, 1215-1226.	5.9	13
129	Direct growth of carbon nanotube junctions by a two-step chemical vapor deposition. <i>Chemical Physics Letters</i> , 2006, 432, 177-183.	1.2	12
130	Photoluminescence spectral imaging of ultralong single-walled carbon nanotubes: Micromanipulation-induced strain, rupture, and determination of handedness. <i>Physical Review B</i> , 2009, 80, .	1.1	12
131	Direct growth of single-walled carbon nanotubes on substrates. <i>Science Bulletin</i> , 2012, 57, 225-233.	1.7	12
132	Confined-solution process for high-quality CH ₃ NH ₃ PbBr ₃ single crystals with controllable morphologies. <i>Nano Research</i> , 2018, 11, 3306-3312.	5.8	12
133	Synthesis of ZnS Nanowires in Liquid Crystal Systems. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 337, 193-196.	0.3	11
134	The preparation of Mg ₃ Si ₂ O ₅ (OH) ₄ nanotubes under solvothermal conditions. <i>Journal of Porous Materials</i> , 2006, 13, 275-279.	1.3	11
135	Assembling Structure of Single-Walled Carbon Nanotube Thin Bundles. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8132-8135.	1.5	11
136	High frequency resistance of single-walled and multiwalled carbon nanotubes. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	11
137	Nanobelt—carbon nanotube cross-junction solar cells. <i>Energy and Environmental Science</i> , 2012, 5, 6119.	15.6	11
138	Chirality—Selective Photoluminescence Enhancement of ssDNA—Wrapped Single—Walled Carbon Nanotubes Modified with Gold Nanoparticles. <i>Small</i> , 2016, 12, 3164-3171.	5.2	11
139	Multiple electronic Raman scatterings in a single metallic carbon nanotube. <i>Physical Review B</i> , 2016, 93, .	1.1	11
140	Material patterning on substrates by manipulation of fluidic behavior. <i>National Science Review</i> , 2019, 6, 758-766.	4.6	11
141	Tailoring the electrocatalytic oxygen reduction reaction pathway by tuning the electronic states of single-walled carbon nanotubes. <i>Carbon</i> , 2019, 147, 35-42.	5.4	11
142	Graphene oxide-supported cobalt tungstate as catalyst precursor for selective growth of single-walled carbon nanotubes. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 940-946.	3.0	11
143	High-yield and low-cost separation of high-purity semiconducting single-walled carbon nanotubes with closed-loop recycling of raw materials and solvents. <i>Nano Research</i> , 2021, 14, 4281-4287.	5.8	11
144	In Situ Epitaxial Growth of Triangular CdS Nanoplates on Mica by Dip-Pen Nanolithography. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18938-18942.	1.5	10

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145	Quantitative analysis of the (n,m) abundance of single-walled carbon nanotubes dispersed in ionic liquids by optical absorption spectra. <i>Materials Chemistry and Physics</i> , 2013, 139, 233-240.	2.0	10
146	Bilayer Plots for Accurately Determining the Chirality of Single-Walled Carbon Nanotubes Under Complex Environments. <i>ACS Nano</i> , 2017, 11, 10509-10518.	7.3	10
147	Polyoxometalate steric hindrance driven chirality-selective separation of subnanometer carbon nanotubes. <i>Chemical Science</i> , 2022, 13, 5920-5928.	3.7	10
148	Mesoporous cadmium sulfide templated by hexagonal liquid crystal. <i>Journal of Materials Science Letters</i> , 2001, 20, 1233-1235.	0.5	9
149	Channel-Length-Dependent Transport and Photovoltaic Characteristics of Carbon-Nanotube-Based, Barrier-Free Bipolar Diode. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 1154-1157.	4.0	9
150	Nucleation of copper nanoparticles on quartz as catalysts to grow single-walled carbon nanotube arrays. <i>Carbon</i> , 2016, 110, 390-395.	5.4	9
151	Synthesis and catalytic property of urania-palladium-graphene nanohybrids. <i>Science China Materials</i> , 2017, 60, 399-406.	3.5	9
152	One-step synthesis of MOF-derived Cu@N-doped carbon composites as counter electrode catalysts for quantum dot-sensitized solar cells. <i>Electrochimica Acta</i> , 2021, 380, 138228.	2.6	9
153	Seed-Mediated Growth of ZnO Nanorods on Multiwalled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 4441-4446.	0.9	8
154	Controlled Preparation of Inorganic Nanostructures on Substrates by Dip-Pen Nanolithography. <i>Chemistry - an Asian Journal</i> , 2010, 5, 980-990.	1.7	8
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199	(Invited) Growth of Single-Walled Carbon Nanotubes with Specific Structure. ECS Meeting Abstracts, 2016, , .	0.0	0
200	(Invited) Tungsten-Based Intermetallic Compound As Catalyst for Structure-Specific Growth of Single-Walled Carbon Nanotubes. ECS Meeting Abstracts, 2017, , .	0.0	0
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203	(Invited) In Situ Study of Cobalt-Tungsten and Cobalt Nanocrystals Under Reactive Environment. ECS Meeting Abstracts, 2019, , .	0.0	0
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205	(Invited, Digital Presentation) Uniqueness of Cobalt-Tungsten Intermetallic Compounds in Catalyzing Single-Walled Carbon Nanotube Growth. ECS Meeting Abstracts, 2022, MA2022-01, 765-765.	0.0	0
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