

Yan Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

183
papers

9,141
citations

49
h-index

91
g-index

210
ext. papers

10,505
ext. citations

10.3
avg, IF

6.1
L-index

#	Paper	IF	Citations
183	Synthesis of crystalline WS ₃ with a layered structure and desert-rose-like morphology. <i>Nanoscale Advances</i> , 2022 , 4, 1626-1631	5.1	
182	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	6.7	3
181	Host-Guest Molecular Interaction Enabled Separation of Large-Diameter Semiconducting Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 10120-10130	16.4	9
180	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	10	3
179	Monolithic flexible supercapacitors drawn with nitrogen-doped carbon nanotube-graphene ink. <i>Materials Research Bulletin</i> , 2021 , 139, 111266	5.1	6
178	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	6.8	6
177	Carbon nanotubes for flexible batteries: recent progress and future perspective. <i>National Science Review</i> , 2021 , 8, nwaa261	10.8	17
176	Atomic origins of the strong metal-support interaction in silica supported catalysts. <i>Chemical Science</i> , 2021 , 12, 12651-12660	9.4	7
175	Applications of Carbon Nanotubes in Oxygen Electrocatalytic Reactions. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	1
174	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,	11.5	13
173	Growth of Single-walled Carbon Nanotubes on Substrates Using Carbon Monoxide as Carbon Source. <i>Chemical Research in Chinese Universities</i> , 2021 , 37, 1125	2.2	1
172	Stable Doping of Single-Walled Carbon Nanotubes for Flexible Transparent Conductive Films.. <i>ACS Nano</i> , 2021 ,	16.7	3
171	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. <i>Nature Nanotechnology</i> , 2020 , 15, 164-166	28.7	40
170	Carbon nanotube-based electrodes for flexible supercapacitors. <i>Nano Research</i> , 2020 , 13, 1825-1841	10	50
169	Gelation of uranyl ions and gel-derived uranium oxide nanoparticles for gas sensing. <i>Nanoscale Advances</i> , 2020 , 2, 2478-2484	5.1	1
168	Chirality Pure Carbon Nanotubes: Growth, Sorting, and Characterization. <i>Chemical Reviews</i> , 2020 , 120, 2693-2758	68.1	128
167	One-dimensional van der Waals heterostructures. <i>Science</i> , 2020 , 367, 537-542	33.3	119

166	Electronic Raman Scattering in Suspended Semiconducting Carbon Nanotube. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 10497-10503	6.4	4
165	2 D Hybrid of Ni-LDH Chips on Carbon Nanosheets as Cathode of Zinc-Air Battery for Electrocatalytic Conversion of O into H O. <i>ChemSusChem</i> , 2020 , 13, 1496-1503	8.3	15
164	CuxS 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	13	11
163	The Future of Layer-by-Layer Assembly: A Tribute to ACS Nano Associate Editor Helmut M. W. Wald. <i>ACS Nano</i> , 2019 , 13, 6151-6169	16.7	127
162	Atomic-scale structural identification and evolution of Co-W-C ternary SWCNT catalytic nanoparticles: High-resolution STEM imaging on SiO. <i>Science Advances</i> , 2019 , 5, eaat9459	14.3	37
161	Metallic Catalysts for Structure-Controlled Growth of Single-Walled Carbon Nanotubes. <i>Topics in Current Chemistry Collections</i> , 2019 , 25-67	1.8	0
160	Material patterning on substrates by manipulation of fluidic behavior. <i>National Science Review</i> , 2019 , 6, 758-766	10.8	7
159	Atomic Scale Stability of Tungsten-Cobalt Intermetallic Nanocrystals in Reactive Environment at High Temperature. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5871-5879	16.4	20
158	Tailoring the electrocatalytic oxygen reduction reaction pathway by tuning the electronic states of single-walled carbon nanotubes. <i>Carbon</i> , 2019 , 147, 35-42	10.4	8
157	Patterning catalyst via inkjet printing to grow single-walled carbon nanotubes. <i>Chinese Chemical Letters</i> , 2019 , 30, 505-508	8.1	4
156	Epitaxial growth of horizontally aligned single-crystal arrays of perovskite. <i>Science China Materials</i> , 2019 , 62, 59-64	7.1	3
155	Toward Complete Resolution of DNA/Carbon Nanotube Hybrids by Aqueous Two-Phase Systems. <i>Journal of the American Chemical Society</i> , 2019 , 141, 20177-20186	16.4	21
154	Pencil-Drawing Skin-Mountable Micro-Supercapacitors. <i>Small</i> , 2019 , 15, e1804037	11	29
153	Selective growth of chirality-enriched semiconducting carbon nanotubes by using bimetallic catalysts from salt precursors. <i>Nanoscale</i> , 2018 , 10, 6922-6927	7.7	15
152	Preparation of sub-square-meter-sized organic semiconductor films for photovoltaics applications. <i>Nano Energy</i> , 2018 , 46, 11-19	17.1	3
151	Engineering active edge sites of fractal-shaped single-layer MoS2 catalysts for high-efficiency hydrogen evolution. <i>Nano Energy</i> , 2018 , 51, 786-792	17.1	64
150	Effect of synthetic condition on the electrochemical behavior of MoO3 microplates used as anode in lithium-ion batteries. <i>Canadian Journal of Chemistry</i> , 2018 , 96, 340-344	0.9	1
149	Hydroxyl-rich ceria hydrate nanoparticles enhancing the alcohol electrooxidation performance of Pt catalysts. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2318-2326	13	31

148	Nanoscience and Nanotechnology Research at Peking University. <i>ACS Nano</i> , 2018 , 12, 4075-4076	16.7	1
147	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	10	7
146	Carbon Nanotubes and Related Nanomaterials: Critical Advances and Challenges for Synthesis toward Mainstream Commercial Applications. <i>ACS Nano</i> , 2018 , 12, 11756-11784	16.7	239
145	Carbon-metal oxide nanocomposites as lithium-sulfur battery cathodes. <i>Functional Materials Letters</i> , 2018 , 11, 1830007	1.2	16
144	The Quarter-Century Anniversary of Carbon Nanotube Research. <i>ACS Nano</i> , 2017 , 11, 1-2	16.7	19
143	Preparation of horizontally aligned single-walled carbon nanotubes with floating catalyst. <i>Science China Chemistry</i> , 2017 , 60, 516-520	7.9	5
142	Metallic Catalysts for Structure-Controlled Growth of Single-Walled Carbon Nanotubes. <i>Topics in Current Chemistry</i> , 2017 , 375, 29	7.2	41
141	Nanoscience and Nanotechnology Cross Borders. <i>ACS Nano</i> , 2017 , 11, 1123-1126	16.7	3
140	Diameter-specific growth of single-walled carbon nanotubes using tungsten supported nickel catalysts. <i>Carbon</i> , 2017 , 118, 485-492	10.4	10
139	Prof. Millie Dresselhaus (1930-2017), Carbon Nanomaterials Pioneer. <i>ACS Nano</i> , 2017 , 11, 2307-2308	16.7	1
138	Bilayer Plots for Accurately Determining the Chirality of Single-Walled Carbon Nanotubes Under Complex Environments. <i>ACS Nano</i> , 2017 , 11, 10509-10518	16.7	7
137	Catalysts for single-wall carbon nanotube synthesis—from surface growth to bulk preparation. <i>MRS Bulletin</i> , 2017 , 42, 809-818	3.2	10
136	Reduced graphene oxide decorated with Bi ₂ O _{2.33} nanodots for superior lithium storage. <i>Nano Research</i> , 2017 , 10, 3690-3697	10	11
135	Synthesis and catalytic property of urania-palladium-graphene nanohybrids. <i>Science China Materials</i> , 2017 , 60, 399-406	7.1	8
134	Water-Assisted Preparation of High-Purity Semiconducting (14,4) Carbon Nanotubes. <i>ACS Nano</i> , 2017 , 11, 186-193	16.7	66
133	(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	16.7	22
132	Multiple electronic Raman scatterings in a single metallic carbon nanotube. <i>Physical Review B</i> , 2016 , 93,	3.3	9
131	Templated Synthesis of Single-Walled Carbon Nanotubes with Specific Structure. <i>Accounts of Chemical Research</i> , 2016 , 49, 606-15	24.3	73

130	The dispersion and aggregation of graphene oxide in aqueous media. <i>Nanoscale</i> , 2016 , 8, 14587-92	7.7	62
129	Chirality-Selective Photoluminescence Enhancement of ssDNA-Wrapped Single-Walled Carbon Nanotubes Modified with Gold Nanoparticles. <i>Small</i> , 2016 , 12, 3164-71	11	11
128	Carbon Nanomaterials in Different Dimensions for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , 2016 , 6, 1600278	21.8	174
127	Targeted Raman Imaging of Cells Using Graphene Oxide-Based Hybrids. <i>Langmuir</i> , 2016 , 32, 10253-10258	11	11
126	Nucleation of copper nanoparticles on quartz as catalysts to grow single-walled carbon nanotube arrays. <i>Carbon</i> , 2016 , 110, 390-395	10.4	8
125	Graphene Oxide as a Multifunctional Platform for Raman and Fluorescence Imaging of Cells. <i>Small</i> , 2015 , 11, 3000-5	11	30
124	Deformation of single-walled carbon nanotubes by interaction with graphene: a first-principles study. <i>Journal of Computational Chemistry</i> , 2015 , 36, 717-22	3.5	6
123	Kelvin Probe Force Microscopy in Nanoscience and Nanotechnology 2015 , 117-158		3
122	Growing Zigzag (16,0) Carbon Nanotubes with Structure-Defined Catalysts. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8688-91	16.4	96
121	(n,m) Assignments and quantification for single-walled carbon nanotubes on SiO ₂ /Si substrates by resonant Raman spectroscopy. <i>Nanoscale</i> , 2015 , 7, 10719-27	7.7	36
120	Carbon nanomaterials for photovoltaic process. <i>Nano Energy</i> , 2015 , 15, 490-522	17.1	41
119	Radial deformation of single-walled carbon nanotubes on quartz substrates and the resultant anomalous diameter-dependent reaction selectivity. <i>Nano Research</i> , 2015 , 8, 3054-3065	10	5
118	Large-scale aligned crystalline CH ₃ NH ₃ PbI ₃ perovskite array films. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 18847-18851	13	18
117	Controlled preparation of CuO and Cu nanoparticles attached on carbon nanotubes for glucose sensing. <i>Materials Technology</i> , 2015 , 30, A186-A191	2.1	2
116	Preparation and electrocatalytic properties of triuranium octoxide supported on reduced graphene oxide. <i>Nano Research</i> , 2015 , 8, 546-553	10	13
115	Anisotropic etching of graphite flakes with water vapor to produce armchair-edged graphene. <i>Small</i> , 2014 , 10, 2809-14, 2742	11	19
114	Carbon nanotube-wired and oxygen-deficient MoO ₃ nanobelts with enhanced lithium-storage capability. <i>Journal of Power Sources</i> , 2014 , 247, 90-94	8.9	81
113	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	10	88

112	Growth of semiconducting single-walled carbon nanotubes by using ceria as catalyst supports. <i>Nano Letters</i> , 2014 , 14, 512-7	11.5	64
111	Chirality-specific growth of single-walled carbon nanotubes on solid alloy catalysts. <i>Nature</i> , 2014 , 510, 522-4	50.4	569
110	Reliability tests and improvements for Sc-contacted n-type carbon nanotube transistors. <i>Nano Research</i> , 2013 , 6, 535-545	10	17
109	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		14
108	Dispersing carbon-based nanomaterials in aqueous phase by graphene oxides. <i>Langmuir</i> , 2013 , 29, 13527-34	29	
107	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	5.5	27
106	Size-Dependent Enhancement of Electrocatalytic Oxygen-Reduction and Hydrogen-Evolution Performance of MoS ₂ Particles. <i>Chemistry - A European Journal</i> , 2013 , 19, 11939-48	4.8	208
105	Carbon Nanotube (CNT)-Based High-Performance Electronic and Optoelectronic Devices 2013 , 321-338		1
104	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	4.4	8
103	Single-layer graphene sheets as counter electrodes for fiber-shaped polymer solar cells. <i>RSC Advances</i> , 2013 , 3, 13720	3.7	30
102	Spectroscopic characterization of the chiral structure of individual single-walled carbon nanotubes and the edge structure of isolated graphene nanoribbons. <i>Small</i> , 2013 , 9, 1284-304	11	27
101	Defective super-long carbon nanotubes and polypyrrole composite for high-performance supercapacitor electrodes. <i>Electrochimica Acta</i> , 2012 , 66, 279-286	6.7	46
100	Direct growth of single-walled carbon nanotubes on substrates. <i>Science Bulletin</i> , 2012 , 57, 225-233		10
99	Facile preparation of Carbon nanotubes and graphene sheets by a catalyst-free refluxing approach. <i>Nano Research</i> , 2012 , 5, 640-645	10	3
98	Simultaneous detection of Raman scattering and near-infrared photoluminescence in one imaging microscope. <i>Review of Scientific Instruments</i> , 2012 , 83, 063709	1.7	3
97	Pointwise plucking of suspended carbon nanotubes. <i>Nano Letters</i> , 2012 , 12, 3663-7	11.5	4
96	Solid-state, polymer-based fiber solar cells with carbon nanotube electrodes. <i>ACS Nano</i> , 2012 , 6, 11027-34	16.7	114
95	Nanobelt-carbon nanotube cross-junction solar cells. <i>Energy and Environmental Science</i> , 2012 , 5, 6119	35.4	11

94	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	3.8	15
93	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	3.8	12
92	Cell imaging by graphene oxide based on surface enhanced Raman scattering. <i>Nanoscale</i> , 2012 , 4, 7084-9.7	9.7	99
91	Channel-length-dependent transport and photovoltaic characteristics of carbon-nanotube-based, barrier-free bipolar diode. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1154-7	9.5	7
90	CMOS-based carbon nanotube pass-transistor logic integrated circuits. <i>Nature Communications</i> , 2012 , 3, 677	17.4	119
89	Surface-Enhanced Raman Spectroscopy of Carbon Nanotubes in Aqueous Solution. <i>Acta Chimica Sinica</i> , 2012 , 70, 1533	3.3	3
88	Electronic transport in single-walled carbon nanotube/graphene junction. <i>Applied Physics Letters</i> , 2011 , 99, 113102	3.4	42
87	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, 2512-9	16.7	29
86	Efficient photovoltage multiplication in carbon nanotubes. <i>Nature Photonics</i> , 2011 , 5, 672-676	33.9	104
85	How to remove the influence of trace water from the absorption spectra of SWNTs dispersed in ionic liquids. <i>Beilstein Journal of Nanotechnology</i> , 2011 , 2, 653-8	3	7
84	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	15.6	52
83	High-performance carbon nanotube light-emitting diodes with asymmetric contacts. <i>Nano Letters</i> , 2011 , 11, 23-9	11.5	81
82	Suspended, straightened carbon nanotube arrays by gel chapping. <i>ACS Nano</i> , 2011 , 5, 5656-61	16.7	16
81	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	10.4	16
80	Preparation and electrochemical properties of MnO ₂ nanosheets attached to Au nanoparticles on carbon nanotubes. <i>Dalton Transactions</i> , 2011 , 40, 2332-7	4.3	39
79	High frequency resistance of single-walled and multiwalled carbon nanotubes. <i>Applied Physics Letters</i> , 2011 , 98, 093107	3.4	9
78	Enhanced etching of silicon dioxide guided by carbon nanotubes in HF solution. <i>Chinese Physics B</i> , 2011 , 20, 108103	1.2	
77	Kelvin probe force microscopy study on nanotriboelectrification. <i>Applied Physics Letters</i> , 2010 , 96, 083113.4	3.4	35

76	Ultra-high secondary electron emission of carbon nanotubes. <i>Applied Physics Letters</i> , 2010 , 96, 213113	3.4	20
75	Solution-phase synthesis of heteroatom-substituted carbon scaffolds for hydrogen storage. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15246-51	16.4	42
74	Large signal operation of small band-gap carbon nanotube-based ambipolar transistor: a high-performance frequency doubler. <i>Nano Letters</i> , 2010 , 10, 3648-55	11.5	33
73	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	3.8	32
72	Thermoelectric measurement of multi-walled carbon nanotube bundles by using nano-probes. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 4985-91	1.3	
71	Controlled preparation of inorganic nanostructures on substrates by dip-pen nanolithography. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 980-90	4.5	7
70	Preparation and properties of CdS/Au composite nanorods and hollow Au tubes. <i>Science Bulletin</i> , 2010 , 55, 921-926		15
69	Patterning Nanoparticles by Microcontact Printing and Further Growth of One-Dimensional Nanomaterials. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 4357-4362	2.3	7
68	A Waveguide-Like Effect Observed in Multiwalled Carbon Nanotube Bundles. <i>Advanced Functional Materials</i> , 2010 , 20, 2263-2268	15.6	3
67	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	15.6	82
66	How catalysts affect the growth of single-walled carbon nanotubes on substrates. <i>Advanced Materials</i> , 2010 , 22, 1508-15	24	104
65	In situ measurements on individual thin carbon nanotubes using nanomanipulators inside a scanning electron microscope. <i>Ultramicroscopy</i> , 2010 , 110, 182-9	3.1	33
64	Carbon nanotubes combined with inorganic nanomaterials: Preparations and applications. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 1117-1134	23.2	128
63	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, 4209-14	11.5	133
62	Towards Entire-Carbon-Nanotube Circuits: The Fabrication of Single-Walled-Carbon-Nanotube Field-Effect Transistors with Local Multiwalled-Carbon-Nanotube Interconnects. <i>Advanced Materials</i> , 2009 , 21, 1339-1343	24	26
61	Direct observation of the strong interaction between carbon nanotubes and quartz substrate. <i>Nano Research</i> , 2009 , 2, 903-910	10	25
60	Selective growth of well-aligned semiconducting single-walled carbon nanotubes. <i>Nano Letters</i> , 2009 , 9, 800-5	11.5	382
59	Fabrication of ultralong and electrically uniform single-walled carbon nanotubes on clean substrates. <i>Nano Letters</i> , 2009 , 9, 3137-41	11.5	441

58	Almost perfectly symmetric SWCNT-based CMOS devices and scaling. <i>ACS Nano</i> , 2009 , 3, 3781-7	16.7	83
57	Photoluminescence spectral imaging of ultralong single-walled carbon nanotubes: Micromanipulation-induced strain, rupture, and determination of handedness. <i>Physical Review B</i> , 2009 , 80,	3.3	12
56	Abnormal Raman Intensity of Single-Walled Carbon Nanotubes Grown on Silica Spheres. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5075-5080	3.8	2
55	Assembling Structure of Single-Walled Carbon Nanotube Thin Bundles. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 8132-8135	3.8	11
54	Tensile Loading of Double-Walled and Triple-Walled Carbon Nanotubes and their Mechanical Properties. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 17002-17005	3.8	41
53	Flexible orientation control of ultralong single-walled carbon nanotubes by gas flow. <i>Nanotechnology</i> , 2009 , 20, 185601	3.4	18
52	Selective band structure modulation of single-walled carbon nanotubes in ionic liquids. <i>Journal of the American Chemical Society</i> , 2009 , 131, 5364-5	16.4	35
51	Photovoltaic Effects in Asymmetrically Contacted CNT Barrier-Free Bipolar Diode. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 6891-6893	3.8	37
50	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, 14310-6	16.4	93
49	Rational preparation of faceted platinum nanocrystals supported on carbon nanotubes with remarkably enhanced catalytic performance. <i>Chemical Communications</i> , 2009 , 7167-9	5.8	39
48	Site-Specific Deposition of Gold Nanoparticles on SWNTs. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13437-13441	3.8	16
47	Why single-walled carbon nanotubes can be dispersed in imidazolium-based ionic liquids. <i>ACS Nano</i> , 2008 , 2, 2540-6	16.7	269
46	Self-aligned ballistic n-type single-walled carbon nanotube field-effect transistors with adjustable threshold voltage. <i>Nano Letters</i> , 2008 , 8, 3696-701	11.5	132
45	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	9.6	34
44	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	3.8	10
43	Seed-mediated growth of ZnO nanorods on multiwalled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 4441-6	1.3	7
42	Inorganic hierarchical nanostructures induced by concentration difference and gradient. <i>Nano Research</i> , 2008 , 1, 213-220	10	19
41	Composite Films Based on Aligned Carbon Nanotube Arrays and a Poly(N-Isopropyl Acrylamide) Hydrogel. <i>Advanced Materials</i> , 2008 , 20, 2201-2205	24	49

- 40 A Doping-Free Carbon Nanotube CMOS Inverter-Based Bipolar Diode and Ambipolar Transistor. *Advanced Materials*, **2008**, 20, 3258-3262 24 59
- 39 Controllable preparation and properties of composite materials based on ceria nanoparticles and carbon nanotubes. *Journal of Solid State Chemistry*, **2008**, 181, 2620-2625 3.3 40
- 38 The preparation of multi-walled carbon nanotubes encapsulated by poly(3-acrylamino-propylsiloxane) with silica nanospheres on the polymer surface. *Carbon*, **2008**, 46, 1670-1677^{19.4} 20
- 37 Ultralow feeding gas flow guiding growth of large-scale horizontally aligned single-walled carbon nanotube arrays. *Nano Letters*, **2007**, 7, 2073-9 11.5 167
- 36 Surfactant-assisted synthesis of helical silica. *Inorganica Chimica Acta*, **2007**, 360, 241-245 2.7 6
- 35 High speed atomic force microscope lithography driven by electrostatic interaction. *Applied Physics Letters*, **2007**, 91, 023121 3.4 6
- 34 Spectroscopic evidence and molecular simulation investigation of the pi-pi interaction between pyrene molecules and carbon nanotubes. *Journal of Nanoscience and Nanotechnology*, **2007**, 7, 2366-75 1.3 58
- 33 Doping-Free Fabrication of Carbon Nanotube Based Ballistic CMOS Devices and Circuits. *Nano Letters*, **2007**, 7, 3603-3607 11.5 278
- 32 Copper catalyzing growth of single-walled carbon nanotubes on substrates. *Nano Letters*, **2006**, 6, 2987-2995 10.5 333
- 31 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 9.6 38
- 30 Direct growth of carbon nanotube junctions by a two-step chemical vapor deposition. *Chemical Physics Letters*, **2006**, 432, 177-183 2.5 11
- 29 Sacrificial template growth of CdS nanotubes from Cd(OH)₂ nanowires. *Journal of Solid State Chemistry*, **2006**, 179, 96-102 3.3 46
- 28 The preparation of Mg₃Si₂O₅(OH)₄ nanotubes under solvothermal conditions. *Journal of Porous Materials*, **2006**, 13, 275-279 2.4 11
- 27 Shape-Controlled Synthesis of CdS Nanocrystals in Mixed Solvents. *Crystal Growth and Design*, **2005**, 5, 1801-1806 3.5 89
- 26 Preferential growth of single-walled carbon nanotubes on silica spheres by chemical vapor deposition. *Journal of Physical Chemistry B*, **2005**, 109, 6963-7 3.4 25
- 25 Creation of cadmium sulfide nanostructures using AFM dip-pen nanolithography. *Journal of Physical Chemistry B*, **2005**, 109, 22337-40 3.4 42
- 24 Single Crystalline Trigonal Selenium Nanotubes and Nanowires Synthesized by Sonochemical Process. *Crystal Growth and Design*, **2005**, 5, 911-916 3.5 103
- 23 Cadmium sulfide nanorods formed in microemulsions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2005**, 257-258, 497-501 5.1 16

22	Control of the sizes of zinc sulfide particles by extractant. <i>Journal of Materials Science</i> , 2004 , 39, 659-661	4.3	5
21	Molecular simulation study of different monolayers on Si (111) surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 242, 129-135	5.1	21
20	Molecular simulation study of alkyl-modified silicon crystal under the external electric field. <i>Chemical Physics Letters</i> , 2004 , 389, 155-159	2.5	3
19	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	2.6	95
18	Mesoporous cadmium sulfide templated by hexagonal liquid crystal. <i>Journal of Materials Science Letters</i> , 2001 , 20, 1233-1235		9
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16	Preparation of Monodispersed FeMo Nanoparticles as the Catalyst for CVD Synthesis of Carbon Nanotubes. <i>Chemistry of Materials</i> , 2001 , 13, 1008-1014	9.6	280
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13	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	5.3	52
12	Solvothermal synthesis of nanocrystalline cadmium sulfide. <i>Journal of Materials Science</i> , 2000 , 35, 5933-5937	4.9	42
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10	The lecithin vesicle mediated mineralization of cadmium sulphide. <i>Journal of Materials Science Letters</i> , 1999 , 18, 1821-1823		1
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