Yan Li

List of Publications by Citations

183	9,141	49	91
papers	citations	h-index	g-index

210	10,505	10.3	6.1
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
183	Chirality-specific growth of single-walled carbon nanotubes on solid alloy catalysts. *Nature*, **2014**, 510, 522-4	50.4	569
182	Fabrication of ultralong and electrically uniform single-walled carbon nanotubes on clean substrates. *Nano Letters*, **2009**, 9, 3137-41	11.5	441
181	Selective growth of well-aligned semiconducting single-walled carbon nanotubes. *Nano Letters*, **2009**, 9, 800-5	11.5	382
180	Copper catalyzing growth of single-walled carbon nanotubes on substrates. *Nano Letters*, **2006**, 6, 2987-90	11.5	333
179	Preparation of Monodispersed Fe–Mo Nanoparticles as the Catalyst for CVD Synthesis of Carbon Nanotubes. *Chemistry of Materials*, **2001**, 13, 1008-1014	9.6	280
178	Doping-Free Fabrication of Carbon Nanotube Based Ballistic CMOS Devices and Circuits. *Nano Letters*, **2007**, 7, 3603-3607	11.5	278
177	Why single-walled carbon nanotubes can be dispersed in imidazolium-based ionic liquids. *ACS Nano*, **2008**, 2, 2540-6	16.7	269
176	Carbon Nanotubes and Related Nanomaterials: Critical Advances and Challenges for Synthesis toward Mainstream Commercial Applications. *ACS Nano*, **2018**, 12, 11756-11784	16.7	239
175	Electrochemical AFM "dip-pen" nanolithography. *Journal of the American Chemical Society*, **2001**, 123, 2105-6	16.4	214
174	Size-Dependent Enhancement of Electrocatalytic Oxygen-Reduction and Hydrogen-Evolution Performance of MoS2 Particles. *Chemistry - A European Journal*, **2013**, 19, 11939-48	4.8	208
173	Carbon Nanomaterials in Different Dimensions for Electrochemical Energy Storage. *Advanced Energy Materials*, **2016**, 6, 1600278	21.8	174
172	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
171	Y-contacted high-performance n-type single-walled carbon nanotube field-effect transistors: scaling and comparison with Sc-contacted devices. *Nano Letters*, **2009**, 9, 4209-14	11.5	133
170	Self-aligned ballistic n-type single-walled carbon nanotube field-effect transistors with adjustable threshold voltage. *Nano Letters*, **2008**, 8, 3696-701	11.5	132
169	Chirality Pure Carbon Nanotubes: Growth, Sorting, and Characterization. *Chemical Reviews*, **2020**, 120, 2693-2758	68.1	128
168	Carbon nanotubes combined with inorganic nanomaterials: Preparations and applications. *Coordination Chemistry Reviews*, **2010**, 254, 1117-1134	23.2	128
167	The Future of Layer-by-Layer Assembly: A Tribute to ACS Nano Associate Editor Helmuth Möwald. *ACS Nano*, **2019**, 13, 6151-6169	16.7	127

166	One-dimensional van der Waals heterostructures. *Science*, **2020**, 367, 537-542	33.3	119
165	CMOS-based carbon nanotube pass-transistor logic integrated circuits. *Nature Communications*, **2012**, 3, 677	17.4	119
164	Au Ink for AFM Dip-Pen Nanolithography. *Langmuir*, **2001**, 17, 2575-2578	4	116
163	Solid-state, polymer-based fiber solar cells with carbon nanotube electrodes. *ACS Nano*, **2012**, 6, 11027-34	16.7	114
162	Efficient photovoltage multiplication in carbon nanotubes. *Nature Photonics*, **2011**, 5, 672-676	33.9	104
161	How catalysts affect the growth of single-walled carbon nanotubes on substrates. *Advanced Materials*, **2010**, 22, 1508-15	24	104
160	Single Crystalline Trigonal Selenium Nanotubes and Nanowires Synthesized by Sonochemical Process. *Crystal Growth and Design*, **2005**, 5, 911-916	3.5	103
159	Cell imaging by graphene oxide based on surface enhanced Raman scattering. *Nanoscale*, **2012**, 4, 7084-9	7.7	99
158	Growing Zigzag (16,0) Carbon Nanotubes with Structure-Defined Catalysts. *Journal of the American Chemical Society*, **2015**, 137, 8688-91	16.4	96
157	CVD synthesis and purification of single-walled carbon nanotubes on aerogel-supported catalyst. *Applied Physics A: Materials Science and Processing*, **2002**, 74, 345-348	2.6	95
156	Decoration of gold nanoparticles on surface-grown single-walled carbon nanotubes for detection of every nanotube by surface-enhanced Raman spectroscopy. *Journal of the American Chemical Society*, **2009**, 131, 14310-6	16.4	93
155	Shape-Controlled Synthesis of CdS Nanocrystals in Mixed Solvents. *Crystal Growth and Design*, **2005**, 5, 1801-1806	3.5	89
154	One-pot facile fabrication of carbon-coated Bi2S3 nanomeshes with efficient Li-storage capability. *Nano Research*, **2014**, 7, 765-773	10	88
153	Lattice-Oriented Growth of Single-Walled Carbon Nanotubes. *Journal of Physical Chemistry B*, **2000**, 104, 6505-6508	3.4	88
152	Almost perfectly symmetric SWCNT-based CMOS devices and scaling. *ACS Nano*, **2009**, 3, 3781-7	16.7	83
151	Ionic-Liquid-Assisted Preparation of Carbon Nanotube-Supported Uniform Noble Metal Nanoparticles and Their Enhanced Catalytic Performance. *Advanced Functional Materials*, **2010**, 20, 3747-3752	15.6	82
150	Carbon nanotube-wired and oxygen-deficient MoO 3 nanobelts with enhanced lithium-storage capability. *Journal of Power Sources*, **2014**, 247, 90-94	8.9	81
149	High-performance carbon nanotube light-emitting diodes with asymmetric contacts. *Nano Letters*, **2011**, 11, 23-9	11.5	81

148	Preparation of Cadmium Sulfide Nanowire Arrays in Anodic Aluminum Oxide Templates. *Chemistry of Materials*, **1999**, 11, 3433-3435	9.6	75
147	Templated Synthesis of Single-Walled Carbon Nanotubes with Specific Structure. *Accounts of Chemical Research*, **2016**, 49, 606-15	24.3	73
146	Water-Assisted Preparation of High-Purity Semiconducting (14,4) Carbon Nanotubes. *ACS Nano*, **2017**, 11, 186-193	16.7	66
145	Engineering active edge sites of fractal-shaped single-layer MoS2 catalysts for high-efficiency hydrogen evolution. *Nano Energy*, **2018**, 51, 786-792	17.1	64
144	Growth of semiconducting single-walled carbon nanotubes by using ceria as catalyst supports. *Nano Letters*, **2014**, 14, 512-7	11.5	64
143	The dispersion and aggregation of graphene oxide in aqueous media. *Nanoscale*, **2016**, 8, 14587-92	7.7	62
142	A Doping-Free Carbon Nanotube CMOS Inverter-Based Bipolar Diode and Ambipolar Transistor. *Advanced Materials*, **2008**, 20, 3258-3262	24	59
141	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
140	Preparation of silver nanowire arrays in anodic aluminum oxide templates. *Journal of Materials Science Letters*, **2001**, 20, 925-927		53
139	Nitrogen-Doped Single-Walled Carbon Nanotubes Grown on Substrates: Evidence for Framework Doping and Their Enhanced Properties. *Advanced Functional Materials*, **2011**, 21, 986-992	15.6	52
138	The formation of cadmium sulfide nanowires in different liquid crystal systems. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2000**, 286, 106-109	5.3	52
137	Carbon nanotube-based electrodes for flexible supercapacitors. *Nano Research*, **2020**, 13, 1825-1841	10	50
136	Composite Films Based on Aligned Carbon Nanotube Arrays and a Poly(N-Isopropyl Acrylamide) Hydrogel. *Advanced Materials*, **2008**, 20, 2201-2205	24	49
135	Defective super-long carbon nanotubes and polypyrrole composite for high-performance supercapacitor electrodes. *Electrochimica Acta*, **2012**, 66, 279-286	6.7	46
134	Sacrificial template growth of CdS nanotubes from Cd(OH)2 nanowires. *Journal of Solid State Chemistry*, **2006**, 179, 96-102	3.3	46
133	Electronic transport in single-walled carbon nanotube/graphene junction. *Applied Physics Letters*, **2011**, 99, 113102	3.4	42
132	Solution-phase synthesis of heteroatom-substituted carbon scaffolds for hydrogen storage. *Journal of the American Chemical Society*, **2010**, 132, 15246-51	16.4	42
131	Creation of cadmium sulfide nanostructures using AFM dip-pen nanolithography. *Journal of Physical Chemistry B*, **2005**, 109, 22337-40	3.4	42

130	Solvothermal synthesis of nanocrystalline cadmium sulfide. *Journal of Materials Science*, **2000**, 35, 5933-5937	4.3	42
129	Metallic Catalysts for Structure-Controlled Growth of Single-Walled Carbon Nanotubes. *Topics in Current Chemistry*, **2017**, 375, 29	7.2	41
128	Carbon nanomaterials for photovoltaic process. *Nano Energy*, **2015**, 15, 490-522	17.1	41
127	Tensile Loading of Double-Walled and Triple-Walled Carbon Nanotubes and their Mechanical Properties. *Journal of Physical Chemistry C*, **2009**, 113, 17002-17005	3.8	41
126	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. *Nature Nanotechnology*, **2020**, 15, 164-166	28.7	40
125	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
124	Preparation and electrochemical properties of MnO2 nanosheets attached to Au nanoparticles on carbon nanotubes. *Dalton Transactions*, **2011**, 40, 2332-7	4.3	39
123	Rational preparation of faceted platinum nanocrystals supported on carbon nanotubes with remarkably enhanced catalytic performance. *Chemical Communications*, **2009**, 7167-9	5.8	39
122	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
121	Atomic-scale structural identification and evolution of Co-W-C ternary SWCNT catalytic nanoparticles: High-resolution STEM imaging on SiO. *Science Advances*, **2019**, 5, eaat9459	14.3	37
120	Photovoltaic Effects in Asymmetrically Contacted CNT Barrier-Free Bipolar Diode. *Journal of Physical Chemistry C*, **2009**, 113, 6891-6893	3.8	37
119	(n,m) Assignments and quantification for single-walled carbon nanotubes on SiO2/Si substrates by resonant Raman spectroscopy. *Nanoscale*, **2015**, 7, 10719-27	7.7	36
118	Kelvin probe force microscopy study on nanotriboelectrification. *Applied Physics Letters*, **2010**, 96, 083113	3.4	35
117	Selective band structure modulation of single-walled carbon nanotubes in ionic liquids. *Journal of the American Chemical Society*, **2009**, 131, 5364-5	16.4	35
116	Direct Growth of Single-Walled Carbon Nanotubes without Metallic Residues by Using Lead as a Catalyst. *Chemistry of Materials*, **2008**, 20, 7521-7525	9.6	34
115	Large signal operation of small band-gap carbon nanotube-based ambipolar transistor: a high-performance frequency doubler. *Nano Letters*, **2010**, 10, 3648-55	11.5	33
114	In situ measurements on individual thin carbon nanotubes using nanomanipulators inside a scanning electron microscope. *Ultramicroscopy*, **2010**, 110, 182-9	3.1	33
113	Comparison between Copper and Iron as Catalyst for Chemical Vapor Deposition of Horizontally Aligned Ultralong Single-Walled Carbon Nanotubes on Silicon Substrates. *Journal of Physical Chemistry C*, **2010**, 114, 15547-15552	3.8	32

112	Hydroxyl-rich ceria hydrate nanoparticles enhancing the alcohol electrooxidation performance of Pt catalysts. *Journal of Materials Chemistry A*, **2018**, 6, 2318-2326	13	31
111	Graphene Oxide as a Multifunctional Platform for Raman and Fluorescence Imaging of Cells. *Small*, **2015**, 11, 3000-5	11	30
110	Single-layer graphene sheets as counter electrodes for fiber-shaped polymer solar cells. *RSC Advances*, **2013**, 3, 13720	3.7	30
109	Dispersing carbon-based nanomaterials in aqueous phase by graphene oxides. *Langmuir*, **2013**, 29, 13527-34	4	29
108	Self-aligned U-gate carbon nanotube field-effect transistor with extremely small parasitic capacitance and drain-induced barrier lowering. *ACS Nano*, **2011**, 5, 2512-9	16.7	29
107	Pencil-Drawing Skin-Mountable Micro-Supercapacitors. *Small*, **2019**, 15, e1804037	11	29
106	Composites of Functional Poly(phenylacetylene)s and Single-Walled Carbon Nanotubes: Preparation, Dispersion, and Near Infrared Photoresponsive Properties. *Macromolecules*, **2013**, 46, 8479-8487	5.5	27
105	Spectroscopic characterization of the chiral structure of individual single-walled carbon nanotubes and the edge structure of isolated graphene nanoribbons. *Small*, **2013**, 9, 1284-304	11	27
104	Towards Entire-Carbon-Nanotube Circuits: The Fabrication of Single-Walled-Carbon-Nanotube Field-Effect Transistors with Local Multiwalled-Carbon-Nanotube Interconnects. *Advanced Materials*, **2009**, 21, 1339-1343	24	26
103	Direct observation of the strong interaction between carbon nanotubes and quartz substrate. *Nano Research*, **2009**, 2, 903-910	10	25
102	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
101	(n,m) Assignments of Metallic Single-Walled Carbon Nanotubes by Raman Spectroscopy: The Importance of Electronic Raman Scattering. *ACS Nano*, **2016**, 10, 10789-10797	16.7	22
100	Molecular simulation study of different monolayers on Si (111) surface. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2004**, 242, 129-135	5.1	21
99	Toward Complete Resolution of DNA/Carbon Nanotube Hybrids by Aqueous Two-Phase Systems. *Journal of the American Chemical Society*, **2019**, 141, 20177-20186	16.4	21
98	Atomic Scale Stability of Tungsten-Cobalt Intermetallic Nanocrystals in Reactive Environment at High Temperature. *Journal of the American Chemical Society*, **2019**, 141, 5871-5879	16.4	20
97	Ultrahigh secondary electron emission of carbon nanotubes. *Applied Physics Letters*, **2010**, 96, 213113	3.4	20
96	The preparation of multi-walled carbon nanotubes encapsulated by poly(3-acrylaminopropylsiloxane) with silica nanospheres on the polymer surface. *Carbon*, **2008**, 46, 1670-1677	10.4	20
95	The Quarter-Century Anniversary of Carbon Nanotube Research. *ACS Nano*, **2017**, 11, 1-2	16.7	19

94	Anisotropic etching of graphite flakes with water vapor to produce armchair-edged graphene. *Small*, **2014**, 10, 2809-14, 2742	11	19
93	Inorganic hierarchical nanostructures induced by concentration difference and gradient. *Nano Research*, **2008**, 1, 213-220	10	19
92	Large-scale aligned crystalline CH3NH3PbI3 perovskite array films. *Journal of Materials Chemistry A*, **2015**, 3, 18847-18851	13	18
91	Flexible orientation control of ultralong single-walled carbon nanotubes by gas flow. *Nanotechnology*, **2009**, 20, 185601	3.4	18
90	Reliability tests and improvements for Sc-contacted n-type carbon nanotube transistors. *Nano Research*, **2013**, 6, 535-545	10	17
89	Carbon nanotubes for flexible batteries: recent progress and future perspective. *National Science Review*, **2021**, 8, nwaa261	10.8	17
88	Suspended, straightened carbon nanotube arrays by gel chapping. *ACS Nano*, **2011**, 5, 5656-61	16.7	16
87	Visualization of individual single-walled carbon nanotubes under an optical microscope as a result of decoration with gold nanoparticles. *Carbon*, **2011**, 49, 1182-1188	10.4	16
86	Site-Specific Deposition of Gold Nanoparticles on SWNTs. *Journal of Physical Chemistry C*, **2008**, 112, 13437-13441	3.8	16
85	Cadmium sulfide nanorods formed in microemulsions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2005**, 257-258, 497-501	5.1	16
84	Carbon-metal oxide nanocomposites as lithium-sulfur battery cathodes. *Functional Materials Letters* , **2018**, 11, 1830007	1.2	16
83	Selective growth of chirality-enriched semiconducting carbon nanotubes by using bimetallic catalysts from salt precursors. *Nanoscale*, **2018**, 10, 6922-6927	7.7	15
82	Photoluminescence from Exciton Energy Transfer of Single-Walled Carbon Nanotube Bundles Dispersed in Ionic Liquids. *Journal of Physical Chemistry C*, **2012**, 116, 22028-22035	3.8	15
81	Preparation and properties of CdS/Au composite nanorods and hollow Au tubes. *Science Bulletin*, **2010**, 55, 921-926		15
80	2 D Hybrid of Ni-LDH Chips on Carbon Nanosheets as Cathode of Zinc-Air Battery for Electrocatalytic Conversion of O into H O. *ChemSusChem*, **2020**, 13, 1496-1503	8.3	15
79	Diameter-controlled growth of aligned single-walled carbon nanotubes on quartz using molecular nanoclusters as catalyst precursors. *Science Bulletin*, **2013**, 58, 433-439		14
78	Preparation and electrocatalytic properties of triuranium octoxide supported on reduced graphene oxide. *Nano Research*, **2015**, 8, 546-553	10	13
77	One-dimensional van der Waals heterostructures: Growth mechanism and handedness correlation revealed by nondestructive TEM. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	13

76	Structure Dependence of the Intermediate-Frequency Raman Modes in Isolated Single-Walled Carbon Nanotubes. *Journal of Physical Chemistry C*, **2012**, 116, 23826-23832	3.8	12
75	Photoluminescence spectral imaging of ultralong single-walled carbon nanotubes: Micromanipulation-induced strain, rupture, and determination of handedness. *Physical Review B*, **2009**, 80,	3.3	12
74	Carbon-Involved Near-Surface Evolution of Cobalt Nanocatalysts: An in Situ Study. *CCS Chemistry*,154-167	7.2	12
73	CuxS nanoparticle@carbon nanorod composites prepared from metal–organic frameworks as efficient electrode catalysts for quantum dot sensitized solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 2210-2218	13	11
72	Reduced graphene oxide decorated with Bi2O2.33 nanodots for superior lithium storage. *Nano Research*, **2017**, 10, 3690-3697	10	11
71	Nanobelt–carbon nanotube cross-junction solar cells. *Energy and Environmental Science*, **2012**, 5, 6119	35.4	11
70	Assembling Structure of Single-Walled Carbon Nanotube Thin Bundles. *Journal of Physical Chemistry C*, **2009**, 113, 8132-8135	3.8	11
69	Direct growth of carbon nanotube junctions by a two-step chemical vapor deposition. *Chemical Physics Letters*, **2006**, 432, 177-183	2.5	11
68	The preparation of Mg3Si2O5(OH)4 nanotubes under solvothermal conditions. *Journal of Porous Materials*, **2006**, 13, 275-279	2.4	11
67	MECHANISM OF THE EXTRACTANT LOSS IN LANTHANIDE EXTRACTION PROCESS WITH SAPONIFIED ORGANOPHOSPHORUS ACID EXTRACTION SYSTEMS □I: FORMATION OF AQUEOUS AGGREGATES. *Solvent Extraction and Ion Exchange*, **1996**, 14, 585-601	2.5	11
66	Carbon nanotube supported bifunctional electrocatalysts containing iron-nitrogen-carbon active sites for zinc-air batteries. *Nano Research*,1	10	11
65	Chirality-Selective Photoluminescence Enhancement of ssDNA-Wrapped Single-Walled Carbon Nanotubes Modified with Gold Nanoparticles. *Small*, **2016**, 12, 3164-71	11	11
64	Targeted Raman Imaging of Cells Using Graphene Oxide-Based Hybrids. *Langmuir*, **2016**, 32, 10253-10258	4	11
63	Diameter-specific growth of single-walled carbon nanotubes using tungsten supported nickel catalysts. *Carbon*, **2017**, 118, 485-492	10.4	10
62	Direct growth of single-walled carbon nanotubes on substrates. *Science Bulletin*, **2012**, 57, 225-233		10
61	Catalysts for single-wall carbon nanotube synthesis□from surface growth to bulk preparation. *MRS Bulletin*, **2017**, 42, 809-818	3.2	10
60	In Situ Epitaxial Growth of Triangular CdS Nanoplates on Mica by Dip-Pen Nanolithography. *Journal of Physical Chemistry C*, **2008**, 112, 18938-18942	3.8	10
59	Synthesis of ZnS Nanowires in Liquid Crystal Systems. *Molecular Crystals and Liquid Crystals*, **1999**, 337, 193-196		10

58	Multiple electronic Raman scatterings in a single metallic carbon nanotube. *Physical Review B*, **2016**, 93,	3.3	9
57	High frequency resistance of single-walled and multiwalled carbon nanotubes. *Applied Physics Letters*, **2011**, 98, 093107	3.4	9
56	Mesoporous cadmium sulfide templated by hexagonal liquid crystal. *Journal of Materials Science Letters*, **2001**, 20, 1233-1235		9
55	Host-Guest Molecular Interaction Enabled Separation of Large-Diameter Semiconducting Single-Walled Carbon Nanotubes. *Journal of the American Chemical Society*, **2021**, 143, 10120-10130	16.4	9
54	Tailoring the electrocatalytic oxygen reduction reaction pathway by tuning the electronic states of single-walled carbon nanotubes. *Carbon*, **2019**, 147, 35-42	10.4	8
53	Quantitative analysis of the (n,m) abundance of single-walled carbon nanotubes dispersed in ionic liquids by optical absorption spectra. *Materials Chemistry and Physics*, **2013**, 139, 233-240	4.4	8
52	Synthesis and catalytic property of urania-palladium-graphene nanohybrids. *Science China Materials* , **2017**, 60, 399-406	7.1	8
51	Nucleation of copper nanoparticles on quartz as catalysts to grow single-walled carbon nanotube arrays. *Carbon*, **2016**, 110, 390-395	10.4	8
50	Bilayer Plots for Accurately Determining the Chirality of Single-Walled Carbon Nanotubes Under Complex Environments. *ACS Nano*, **2017**, 11, 10509-10518	16.7	7
49	Material patterning on substrates by manipulation of fluidic behavior. *National Science Review*, **2019**, 6, 758-766	10.8	7
48	Confined-solution process for high-quality CH3NH3PbBr3 single crystals with controllable morphologies. *Nano Research*, **2018**, 11, 3306-3312	10	7
47	Channel-length-dependent transport and photovoltaic characteristics of carbon-nanotube-based, barrier-free bipolar diode. *ACS Applied Materials & Interfaces*, **2012**, 4, 1154-7	9.5	7
46	How to remove the influence of trace water from the absorption spectra of SWNTs dispersed in ionic liquids. *Beilstein Journal of Nanotechnology*, **2011**, 2, 653-8	3	7
45	Controlled preparation of inorganic nanostructures on substrates by dip-pen nanolithography. *Chemistry - an Asian Journal*, **2010**, 5, 980-90	4.5	7
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41	Deformation of single-walled carbon nanotubes by interaction with graphene: a first-principles study. *Journal of Computational Chemistry*, **2015**, 36, 717-22	3.5	6

40	Surfactant-assisted synthesis of helical silica. *Inorganica Chimica Acta*, **2007**, 360, 241-245	2.7	6
39	High speed atomic force microscope lithography driven by electrostatic interaction. *Applied Physics Letters*, **2007**, 91, 023121	3.4	6
38	Monolithic flexible supercapacitors drawn with nitrogen-doped carbon nanotube-graphene ink. *Materials Research Bulletin*, **2021**, 139, 111266	5.1	6
37	Graphene oxide-supported cobalt tungstate as catalyst precursor for selective growth of single-walled carbon nanotubes. *Inorganic Chemistry Frontiers*, **2021**, 8, 940-946	6.8	6
36	Preparation of horizontally aligned single-walled carbon nanotubes with floating catalyst. *Science China Chemistry*, **2017**, 60, 516-520	7.9	5
35	Radial deformation of single-walled carbon nanotubes on quartz substrates and the resultant anomalous diameter-dependent reaction selectivity. *Nano Research*, **2015**, 8, 3054-3065	10	5
34	Control of the sizes of zinc sulfide particles by extractant. *Journal of Materials Science*, **2004**, 39, 659-661	4.3	5
33	Patterning catalyst via inkjet printing to grow single-walled carbon nanotubes. *Chinese Chemical Letters*, **2019**, 30, 505-508	8.1	4
32	Pointwise plucking of suspended carbon nanotubes. *Nano Letters*, **2012**, 12, 3663-7	11.5	4
31	TEM study on extractive organic phase containing lanthanide ions. *Journal of Alloys and Compounds*, **1994**, 216, L21-L23	5.7	4
30	Electronic Raman Scattering in Suspended Semiconducting Carbon Nanotube. *Journal of Physical Chemistry Letters*, **2020**, 11, 10497-10503	6.4	4
29	Nanoscience and Nanotechnology Cross Borders. *ACS Nano*, **2017**, 11, 1123-1126	16.7	3
28	Kelvin Probe Force Microscopy in Nanoscience and Nanotechnology **2015**, 117-158		3
27	Preparation of sub-square-meter-sized organic semiconductor films for photovoltaics applications. *Nano Energy*, **2018**, 46, 11-19	17.1	3
26	Epitaxial growth of horizontally aligned single-crystal arrays of perovskite. *Science China Materials*, **2019**, 62, 59-64	7.1	3
25	Facile preparation of Carbon nanotubes and graphene sheets by a catalyst-free refluxing approach. *Nano Research*, **2012**, 5, 640-645	10	3
24	Simultaneous detection of Raman scattering and near-infrared photoluminescence in one imaging microscope. *Review of Scientific Instruments*, **2012**, 83, 063709	1.7	3
23	A Waveguide-Like Effect Observed in Multiwalled Carbon Nanotube Bundles. *Advanced Functional Materials*, **2010**, 20, 2263-2268	15.6	3

22	Molecular simulation study of alkyl-modified silicon crystal under the external electric field. *Chemical Physics Letters*, **2004**, 389, 155-159	2.5	3
21	One-Dimensional van der Waals Heterostructures: A Perspective. *ACS Nanoscience Au*,		3
20	Surface-Enhanced Raman Spectroscopy of Carbon Nanotubes in Aqueous Solution. *Acta Chimica Sinica*, **2012**, 70, 1533	3.3	3
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18	High-yield and low-cost separation of high-purity semiconducting single-walled carbon nanotubes with closed-loop recycling of raw materials and solvents. *Nano Research*, **2021**, 14, 4281	10	3
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15	Abnormal Raman Intensity of Single-Walled Carbon Nanotubes Grown on Silica Spheres. *Journal of Physical Chemistry C*, **2009**, 113, 5075-5080	3.8	2
14	Single-walled carbon nanotube based SERS substrate with single molecule sensitivity. *Nano Research*,1	10	2
13	Prof. Millie Dresselhaus (1930-2017), Carbon Nanomaterials Pioneer. *ACS Nano*, **2017**, 11, 2307-2308	16.7	1
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8	The lecithin vesicle mediated mineralization of cadmium sulphide. *Journal of Materials Science Letters*, **1999**, 18, 1821-1823		1
7	Applications of Carbon Nanotubes in Oxygen Electrocatalytic Reactions. *ACS Applied Materials & Interfaces*, **2021**,	9.5	1
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5	Metallic Catalysts for Structure-Controlled Growth of Single-Walled Carbon Nanotubes. *Topics in Current Chemistry Collections*, **2019**, 25-67	1.8	0

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