Rong Xiang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4681847/publications.pdf

Version: 2024-02-01

145	5,058	87888	106344
papers	citations	38 h-index	65 g-index

150	150	150	6476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intertube Excitonic Coupling in Nanotube Van der Waals Heterostructures. Advanced Functional Materials, 2022, 32, 2104969.	14.9	18
2	One-Dimensional van der Waals Heterostructures: A Perspective. ACS Nanoscience Au, 2022, 2, 3-11.	4.8	21
3	Multiâ€Functional MoO₃ Doping of Carbonâ€Nanotube Top Electrodes for Highly Transparent and Efficient Semiâ€Transparent Perovskite Solar Cells. Advanced Materials Interfaces, 2022, 9, .	3.7	14
4	Nanotube-based heterostructures for electrochemistry: A mini-review on lithium storage, hydrogen evolution and beyond. Journal of Energy Chemistry, 2022, 70, 630-642.	12.9	13
5	Universal Map of Gas-Dependent Kinetic Selectivity in Carbon Nanotube Growth. ACS Nano, 2022, , .	14.6	7
6	Intertube Excitonic Coupling in Nanotube Van der Waals Heterostructures (Adv. Funct. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	14.9	1
7	Atomic precision manufacturing of carbon nanotubeâ€”a perspective. International Journal of Extreme Manufacturing, 2022, 4, 023001.	12.7	9
8	Twofold Effects of Zirconium Doping into TiN on Durability and Oxygen Reduction Reactivity in an Acidic Environment. Energy & Fuels, 2022, 36, 539-547.	5.1	2
9	Building blocks for one-dimensional van der Waals heterostructures. , 2022, 1, 20220016.		2
10	Formation of organic color centers in air-suspended carbon nanotubes using vapor-phase reaction. Nature Communications, 2022, 13, .	12.8	3
11	(Invited) Kinetic Selectivity of Chemical Vapor Deposition Growth of Carbon Nanotubes. ECS Meeting Abstracts, 2022, MA2022-01, 767-767.	0.0	0
12	The Insights of Lithium Metal Plating/Stripping in Porous Hosts: Progress and Perspectives. Energy Technology, 2021, 9, 2000700.	3.8	38
13	Zeolite-supported synthesis, solution dispersion, and optical characterizations of single-walled carbon nanotubes wrapped by boron nitride nanotubes. Journal of Applied Physics, 2021, 129, 015101.	2.5	7
14	Phenomenological model of thermal transport in carbon nanotube and hetero-nanotube films. Nanotechnology, 2021, 32, 205708.	2.6	2
15	Multiscale Structural Modulation of Anisotropic Graphene Framework for Polymer Composites Achieving Highly Efficient Thermal Energy Management. Advanced Science, 2021, 8, 2003734.	11.2	108
16	One-Dimensional van der Waals Heterojunction Diode. ACS Nano, 2021, 15, 5600-5609.	14.6	34
17	Ultrahigh-Aspect-Ratio Boron Nitride Nanosheets Leading to Superhigh In-Plane Thermal Conductivity of Foldable Heat Spreader. ACS Nano, 2021, 15, 6489-6498.	14.6	191
18	Metallic Nanowire Coupled CsPbBr₃ Quantum Dots Plasmonic Nanolaser. Advanced Functional Materials, 2021, 31, 2102375.	14.9	23

#	Article	IF	Citations
19	Controlled Removal of Surfactants from Doubleâ€Walled Carbon Nanotubes for Stronger pâ€Doping Effect and Its Demonstration in Perovskite Solar Cells. Small Methods, 2021, 5, e2100080.	8.6	11
20	Photoluminescence from Single-Walled MoS₂ Nanotubes Coaxially Grown on Boron Nitride Nanotubes. ACS Nano, 2021, 15, 8418-8426.	14.6	35
21	One-step direct oxidation of fullerene-fused alkoxy ethers to ketones for evaporable fullerene derivatives. Communications Chemistry, 2021, 4, .	4.5	12
22	Soft and Selfâ€Adhesive Thermal Interface Materials Based on Vertically Aligned, Covalently Bonded Graphene Nanowalls for Efficient Microelectronic Cooling. Advanced Functional Materials, 2021, 31, 2104062.	14.9	95
23	Controlled Doping Engineering in 2D MoS₂ Crystals toward Performance Augmentation of Optoelectronic Devices. ACS Applied Materials & Interfaces, 2021, 13, 31861-31869.	8.0	16
24	Tailoring Highly Ordered Graphene Framework in Epoxy for High-Performance Polymer-Based Heat Dissipation Plates. ACS Nano, 2021, 15, 12922-12934.	14.6	75
25	Nanotubeâ€Based 1D Heterostructures Coupled by van der Waals Forces. Small, 2021, 17, e2102585.	10.0	21
26	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, .	7.1	35
27	Lightweight thermal interface materials based on hierarchically structured graphene paper with superior through-plane thermal conductivity. Chemical Engineering Journal, 2021, 419, 129609.	12.7	54
28	SWCNT@BNNT With 1D Van Der Waals Heterostructure With a High Optical Damage Threshold for Laser Mode-Locking. Journal of Lightwave Technology, 2021, 39, 5875-5883.	4.6	7
29	Selfâ€Patterned CsPbBr₃ Nanocrystal Based Plasmonic Hotâ€Carrier Photodetector at Telecommunications Wavelengths. Advanced Optical Materials, 2021, 9, 2101474.	7.3	5
30	Nanotubeâ€Based 1D Heterostructures Coupled by van der Waals Forces (Small 38/2021). Small, 2021, 17, 2170196.	10.0	1
31	Thermal conductivity of one-dimensional carbon-boron nitride van der Waals heterostructure: A molecular dynamics study. International Journal of Heat and Mass Transfer, 2021, 180, 121773.	4.8	19
32	Heteronanotubes: Challenges and Opportunities. Small Science, 2021, 1, 2000039.	9.9	28
33	Atomic-Step-Induced Screw-Dislocation-Driven Spiral Growth of SnS. Chemistry of Materials, 2021, 33, 186-194.	6.7	16
34	Mechanism understanding for stripping electrochemistry of Li metal anode. SusMat, 2021, 1, 506-536.	14.9	93
35	Selfâ€Patterned CsPbBr₃ Nanocrystal Based Plasmonic Hotâ€Carrier Photodetector at Telecommunications Wavelengths (Advanced Optical Materials 24/2021). Advanced Optical Materials, 2021, 9, .	7.3	1
36	Semiconductor nanochannels in metallic carbon nanotubes by thermomechanical chirality alteration. Science, 2021, 374, 1616-1620.	12.6	32

#	Article	IF	Citations
37	The origin of sulfuryl-containing components in SEI from sulfate additives for stable cycling of ultrathin lithium metal anodes. Journal of Energy Chemistry, 2020, 47, 128-131.	12.9	63
38	Efficient Phosphorus Doping into the Surface Oxide Layers on TiN to Enhance Oxygen Reduction Reaction Activity in Acidic Media. ACS Applied Energy Materials, 2020, 3, 9866-9876.	5.1	7
39	Dry Drawability of Few-Walled Carbon Nanotubes Grown by Alcohol Chemical Vapor Deposition. Journal of Physical Chemistry C, 2020, 124, 17331-17339.	3.1	3
40	MoS2-carbon nanotube heterostructure as efficient hole transporters and conductors in perovskite solar cells. Applied Physics Express, 2020, 13, 075009.	2.4	11
41	Niâ€“Co-Based Nanowire Arrays with Hierarchical Coreâ€“Shell Structure Electrodes for High-Performance Supercapacitors. ACS Applied Energy Materials, 2020, 3, 7580-7587.	5.1	11
42	One-dimensional van der Waals heterostructures. Science, 2020, 367, 537-542.	12.6	238
43	Ultrafast Optoelectronic Processes in 1D Radial van der Waals Heterostructures: Carbon, Boron Nitride, and MoS₂ Nanotubes with Coexisting Excitons and Highly Mobile Charges. Nano Letters, 2020, 20, 3560-3567.	9.1	40
44	Enhanced In-Plane Thermal Conductance of Thin Films Composed of Coaxially Combined Single-Walled Carbon Nanotubes and Boron Nitride Nanotubes. ACS Nano, 2020, 14, 4298-4305.	14.6	36
45	Non-catalytic heteroepitaxial growth of aligned, large-sized hexagonal boron nitride single-crystals on graphite. Nanoscale, 2020, 12, 10399-10406.	5.6	11
46	Solar Cells: Singleâ€Walled Carbon Nanotubes in Emerging Solar Cells: Synthesis and Electrode Applications (Adv. Energy Mater. 23/2019). Advanced Energy Materials, 2019, 9, 1970091.	19.5	2
47	Regrowth and catalytic etching of individual single-walled carbon nanotubes studied by isotope labeling and growth interruption. Carbon, 2019, 155, 635-642.	10.3	9
48	Efficient growth of vertically-aligned single-walled carbon nanotubes combining two unfavorable synthesis conditions. Carbon, 2019, 146, 413-419.	10.3	12
49	Atomic-scale structural identification and evolution of Co-W-C ternary SWCNT catalytic nanoparticles: High-resolution STEM imaging on SiO ₂. Science Advances, 2019, 5, eaat9459.	10.3	71
50	Highâ€Performance Solutionâ€Processed Doubleâ€Walled Carbon Nanotube Transparent Electrode for Perovskite Solar Cells. Advanced Energy Materials, 2019, 9, 1901204.	19.5	101
51	Growth of single-walled carbon nanotubes by alcohol chemical vapor deposition with water vapor addition: Narrowing the diameter and chiral angle distributions. Diamond and Related Materials, 2019, 96, 160-166.	3.9	3
52	Semiconducting carbon nanotubes as crystal growth templates and grain bridges in perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 12987-12992.	10.3	57
53	Singleâ€Walled Carbon Nanotubes in Emerging Solar Cells: Synthesis and Electrode Applications. Advanced Energy Materials, 2019, 9, 1801312.	19.5	86
54	Digital Isotope Coding to Trace the Growth Process of Individual Single-Walled Carbon Nanotubes. ACS Nano, 2018, 12, 3994-4001.	14.6	17

#	Article	IF	Citations
55	Fabrication, characterization, and high temperature surface enhanced Raman spectroscopic performance of SiO₂ coated silver particles. Nanoscale, 2018, 10, 5449-5456.	5.6	20
56	Achieving High Efficiency in Solution-Processed Perovskite Solar Cells Using C₆₀/C₇₀ Mixed Fullerenes. ACS Applied Materials & Interfaces, 2018, 10, 39590-39598.	8.0	67
57	A Review of Functional Binders in Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1802107.	19.5	324
58	A Review of Advanced Energy Materials for Magnesiumâ€“Sulfur Batteries. Energy and Environmental Materials, 2018, 1, 100-112.	12.8	112
59	Thermal Conductivity of Carbon Nanotubes and Assemblies. Advances in Heat Transfer, 2018, 50, 43-122.	0.9	13
60	Quantitative study of bundle size effect on thermal conductivity of single-walled carbon nanotubes. Applied Physics Letters, 2018, 112, 191904.	3.3	32
61	A Comparison Between Reduced and Intentionally Oxidized Metal Catalysts for Growth of Singleâ€Walled Carbon Nanotubes. Physica Status Solidi (B): Basic Research, 2018, 255, 1800187.	1.5	5
62	Measurement of in-plane sheet thermal conductance of single-walled carbon nanotube thin films by steady-state infrared thermography. Japanese Journal of Applied Physics, 2018, 57, 075101.	1.5	11
63	Non-doped and unsorted single-walled carbon nanotubes as carrier-selective, transparent, and conductive electrode for perovskite solar cells. MRS Communications, 2018, 8, 1058-1063.	1.8	14
64	Revisiting behaviour of monometallic catalysts in chemical vapour deposition synthesis of single-walled carbon nanotubes. Royal Society Open Science, 2018, 5, 180345.	2.4	13
65	Extended alcohol catalytic chemical vapor deposition for efficient growth of single-walled carbon nanotubes thinner than (6,5). Carbon, 2017, 119, 502-510.	10.3	35
66	Morphology dependence of the thermal transport properties of single-walled carbon nanotube thin films. Nanotechnology, 2017, 28, 185701.	2.6	8
67	Chirality specific and spatially uniform synthesis of single-walled carbon nanotubes from a sputtered Coâ€“W bimetallic catalyst. Nanoscale, 2016, 8, 14523-14529.	5.6	58
68	Load dependent frictional response of vertically aligned single-walled carbon nanotube films. Scripta Materialia, 2016, 125, 63-67.	5.2	7
69	Room temperature-processed inverted organic solar cells using high working-pressure-sputtered ZnO films. Journal of Materials Chemistry A, 2016, 4, 18763-18768.	10.3	17
70	Epitaxial nucleation of CVD bilayer graphene on copper. Nanoscale, 2016, 8, 20001-20007.	5.6	8
71	Chemical vapor deposition growth of large single-crystal bernal-stacked bilayer graphene from ethanol. Carbon, 2016, 107, 852-856.	10.3	25
72	Synthesis of subnanometer-diameter vertically aligned single-walled carbon nanotubes with copper-anchored cobalt catalysts. Nanoscale, 2016, 8, 1608-1617.	5.6	61

#	Article	IF	Citations
73	Nonhomogeneous morphology and the elastic modulus of aligned carbon nanotube films. Journal of Micromechanics and Microengineering, 2015, 25, 115023.	2.6	4
74	Chemical Vapor Deposition Growth of Graphene and Related Materials. Journal of the Physical Society of Japan, 2015, 84, 121013.	1.6	24
75	The role of Be incorporation in the modulation of the N doping ZnO. Journal of Alloys and Compounds, 2015, 622, 719-724.	5.5	16
76	Chemical vapor deposition growth of 5 mm hexagonal single-crystal graphene from ethanol. Carbon, 2015, 94, 810-815.	10.3	74
77	Tailoring Plasmon Resonances in Aluminium Nanoparticle Arrays Fabricated Using Anodic Aluminium Oxide. Advanced Optical Materials, 2015, 3, 248-256.	7.3	30
78	Grain boundary barrier modification due to coupling effect of crystal polar field and water molecular dipole in ZnO-based structures. Applied Physics Letters, 2014, 104, 242114.	3.3	5
79	High-performance zero-bias ultraviolet photodetector based on p-GaN/n-ZnO heterojunction. Applied Physics Letters, 2014, 105, .	3.3	82
80	Carbon Nanotubes: Threeâ€Dimensional Carbon Nanotube Spongeâ€Array Architectures with High Energy Dissipation (Adv. Mater. 8/2014). Advanced Materials, 2014, 26, 1307-1307.	21.0	4
81	Equilibrium Chemical Vapor Deposition Growth of Bernal-Stacked Bilayer Graphene. ACS Nano, 2014, 8, 11631-11638.	14.6	65
82	Integrated random-aligned carbon nanotube layers: deformation mechanism under compression. Nanoscale, 2014, 6, 1748-1755.	5.6	24
83	Engineering superlyophobic surfaces on curable materials based on facile and inexpensive microfabrication. Journal of Materials Chemistry A, 2014, 2, 6952-6959.	10.3	60
84	Wide Range Bandgap Modulation Based on ZnO-based Alloys and Fabrication of Solar Blind UV Detectors with High Rejection Ratio. ACS Applied Materials & Interfaces, 2014, 6, 14152-14158.	8.0	55
85	Threeâ€Dimensional Carbon Nanotube Spongeâ€Array Architectures with High Energy Dissipation. Advanced Materials, 2014, 26, 1248-1253.	21.0	88
86	Is it possible to enhance Raman scattering of single-walled carbon nanotubes by metal particles during chemical vapor deposition?. Carbon, 2014, 80, 311-317.	10.3	6
87	The modulation of grain boundary barrier in ZnMgO/ZnO heterostructure by surface polar liquid. Scientific Reports, 2014, 4, 4185.	3.3	12
88	Tuning Microstructure and Nanostructure of Single-Walled Carbon Nanotubes for Solar Cells Applications. , 2014, , .		0
89	Spray coating as a simple method to prepare catalyst for growth of diameter-tunable single-walled carbon nanotubes. Carbon, 2013, 64, 537-540.	10.3	25
90	Structure and optical property of Be_xZn_{1â€x}O nanorod arrays. Crystal Research and Technology, 2013, 48, 599-602.	1.3	0

#	Article	IF	Citations
91	Heat Capacity, Thermal Conductivity, and Interface Resistance Extraction for Single-Walled Carbon Nanotube Films Using Frequency-Domain Thermoreflectance. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2013, 3, 1524-1532.	2.5	18
92	Zipping, entanglement, and the elastic modulus of aligned single-walled carbon nanotube films. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20426-20430.	7.1	40
93	Suppression of oxygen vacancies in Be alloyed ZnO. Journal of Alloys and Compounds, 2013, 577, 179-182.	5.5	15
94	Structure and optical properties of ternary alloy BeZnO and quaternary alloy BeMgZnO films growth by molecular beam epitaxy. Applied Surface Science, 2013, 274, 341-344.	6.1	35
95	Carbon Atoms in Ethanol Do Not Contribute Equally to Formation of Single-Walled Carbon Nanotubes. ACS Nano, 2013, 7, 3095-3103.	14.6	43
96	Carbon Nanotube Spongeâ€Array Tandem Composites with Extended Energy Absorption Range. Advanced Materials, 2013, 25, 1185-1191.	21.0	47
97	Magnetic and Highly Recyclable Macroporous Carbon Nanotubes for Spilled Oil Sorption and Separation. ACS Applied Materials & Interfaces, 2013, 5, 5845-5850.	8.0	310
98	Facile and versatile replication of high-performance superlyophobic surfaces on curable substrates using elastomer molds. , 2013, , .		1
99	Solar-blind wurtzite MgZnO alloy films stabilized by Be doping. Journal Physics D: Applied Physics, 2013, 46, 245103.	2.8	31
100	Morphology and Optical Property of ZnO Nanostructures Grown by Solvothermal Method: Effect of the Solution Pretreatment. Journal of Nanomaterials, 2013, 2013, 1-4.	2.7	3
101	Formation behavior of BexZn1â^'xO alloys grown by plasma-assisted molecular beam epitaxy. Applied Physics Letters, 2013, 102, .	3.3	31
102	Temperature-dependent structural relaxation of BeZnO alloys. Applied Physics Letters, 2013, 103, .	3.3	27
103	Heat Conduction Characteristics of Vertically Aligned Single-Walled Carbon Nanotubes Measured by Raman Spectroscopy. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2013, 79, 185-198.	0.2	0
104	Mechanistic Insight into the Catalytic Oxidation of Cyclohexane over Carbon Nanotubes: Kinetic and In Situ Spectroscopic Evidence. Chemistry - A European Journal, 2013, 19, 9818-9824.	3.3	44
105	Stabilization of p-type dopant nitrogen in BeZnO ternary alloy epitaxial thin films. Journal Physics D: Applied Physics, 2012, 45, 455101.	2.8	19
106	Shrunk to femtolitre: Tuning high-throughput monodisperse water-in-oil droplet arrays for ultra-small micro-reactors. Applied Physics Letters, 2012, 101, 074108.	3.3	19
107	Feedstock Diffusion and Decomposition in Aligned Carbon Nanotube Arrays. Journal of Heat Transfer, 2012, 134, .	2.1	1
108	Chemical Vapor Deposition Growth, Optical, and Thermal Characterization of Vertically Aligned Single-Walled Carbon Nanotubes. Journal of Heat Transfer, 2012, 134, .	2.1	2

#	Article	IF	Citations
109	Superlow Thermal Conductivity 3D Carbon Nanotube Network for Thermoelectric Applications. ACS Applied Materials & Interfaces, 2012, 4, 81-86.	8.0	117
110	Diameter Modulation of Vertically Aligned Single-Walled Carbon Nanotubes. ACS Nano, 2012, 6, 7472-7479.	14.6	52
111	Diameter Controlled Chemical Vapor Deposition Synthesis of Single-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2012, 12, 370-376.	0.9	19
112	ZnO film with ultra-low background electron concentration grown by plasma-assisted MBE using Mg film as the buffer layer. Materials Research Bulletin, 2012, 47, 2673-2675.	5.2	16
113	Elastic shape recovery of carbon nanotube sponges in liquid oil. Journal of Materials Chemistry, 2012, 22, 18300.	6.7	27
114	Facile fabrication of all-SWNT field-effect transistors. Nano Research, 2011, 4, 580-588.	10.4	13
115	Anisotropic electrical conduction of vertically-aligned single-walled carbon nanotube films. Carbon, 2011, 49, 1446-1452.	10.3	33
116	Simple Fabrication Technique for Field-Effect Transistor Array Using As-Grown Single-Walled Carbon Nanotubes. Japanese Journal of Applied Physics, 2011, 50, 04DN08.	1.5	2
117	Decomposition of Ethanol and Dimethyl Ether during Chemical Vapor Deposition Synthesis of Single-Walled Carbon Nanotubes. Japanese Journal of Applied Physics, 2011, 50, 065101.	1.5	20
118	Isotope-induced elastic scattering of optical phonons in individual suspended single-walled carbon nanotubes. Applied Physics Letters, 2011, 99, 093104.	3.3	4
119	Thermal Conductivity Measurement of Vertically Aligned Single-Walled Carbon Nanotubes Utilizing Temperature Dependence of Raman Scattering. , 2011, , .		1
120	Simple Fabrication Technique for Field-Effect Transistor Array Using As-Grown Single-Walled Carbon Nanotubes. Japanese Journal of Applied Physics, 2011, 50, 04DN08.	1.5	2
121	Decomposition of Ethanol and Dimethyl Ether during Chemical Vapor Deposition Synthesis of Single-Walled Carbon Nanotubes. Japanese Journal of Applied Physics, 2011, 50, 065101.	1.5	15
122	Patterned Growth of High-Quality Single-Walled Carbon Nanotubes from Dip-Coated Catalyst. Japanese Journal of Applied Physics, 2010, 49, 02BA03.	1.5	8
123	Parametric Study of Alcohol Catalytic Chemical Vapor Deposition for Controlled Synthesis of Vertically Aligned Single-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2010, 10, 3901-3906.	0.9	14
124	Ion Desorption from Single-Walled Carbon Nanotubes Induced by Soft X-ray Illumination. Japanese Journal of Applied Physics, 2010, 49, 105104.	1.5	3
125	Estimating the Raman Cross Sections of Single Carbon Nanotubes. ACS Nano, 2010, 4, 3466-3470.	14.6	33
126	Controllable Expansion of Single-Walled Carbon Nanotube Dispersions Using Density Gradient Ultracentrifugation. Journal of Physical Chemistry C, 2010, 114, 4831-4834.	3.1	49

#	Article	IF	Citations
127	Effect of density and fibre orientation on the ablation behaviour of carbon-carbon composites. New Carbon Materials, 2010, 25, 161-167.	6.1	43
128	MNM-4A-2 Diameter controlled CVD synthesis of single-walled carbon nanotubes. The Proceedings of the Symposium on Micro-Nano Science and Technology, 2010, 2010.2, 173-174.	0.0	0
129	CVD Growth, Optical and Thermal Characterization of Vertically-Aligned Single-Walled Carbon Nanotubes. , 2009, , .		0
130	Large area growth of aligned CNT arrays on spheres: Cost performance and product control. Materials Letters, 2009, 63, 84-87.	2.6	23
131	Acetylene-Accelerated Alcohol Catalytic Chemical Vapor Deposition Growth of Vertically Aligned Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2009, 113, 7511-7515.	3.1	84
132	High-Precision Selective Deposition of Catalyst for Facile Localized Growth of Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2009, 131, 10344-10345.	13.7	30
133	Feedstock Diffusion and Decomposition in Aligned Carbon Nanotube Arrays. , 2009, , .		0
134	M1-5 Optimization of catalyst deposition by spin-coating for synthesis of vertically-aligned single-walled carbon nanotube arrays (M1 Fabrication Technology and NEMS/MEMS Material). The Proceedings of the Symposium on Micro-Nano Science and Technology, 2009, 2009.1, 23-24.	0.0	0
135	In situ growth of carbon nanotubes on inorganic fibers with different surface properties. Materials Chemistry and Physics, 2008, 107, 317-321.	4.0	30
136	Growth Deceleration of Vertically Aligned Carbon Nanotube Arrays:â€‰ Catalyst Deactivation or Feedstock Diffusion Controlled?. Journal of Physical Chemistry C, 2008, 112, 4892-4896.	3.1	102
137	Growth Mechanism and Internal Structure of Vertically Aligned Single-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2008, 8, 6093-6098.	0.9	16
138	Vertically Aligned13C Single-Walled Carbon Nanotubes Synthesized by No-Flow Alcohol Chemical Vapor Deposition and their Root Growth Mechanism. Japanese Journal of Applied Physics, 2008, 47, 1971-1974.	1.5	24
139	Thermal Degradation of Single-Walled Carbon Nanotubes. Japanese Journal of Applied Physics, 2008, 47, 1994.	1.5	23
140	Temperature effect on the substrate selectivity of carbon nanotube growth in floating chemical vapor deposition. Nanotechnology, 2007, 18, 415703.	2.6	29
141	Investigating the Growth Process of Vertically Aligned Single-Walled Carbon Nanotubes Synthesized from Alcohol. Materials Research Society Symposia Proceedings, 2007, 1057, 1.	0.1	0
142	Synchronous Growth of Vertically Aligned Carbon Nanotubes with Pristine Stress in the Heterogeneous Catalysis Process. Journal of Physical Chemistry C, 2007, 111, 14638-14643.	3.1	86
143	Encapsulation, Compensation, and Substitution of Catalyst Particles during Continuous Growth of Carbon Nanotubes. Advanced Materials, 2007, 19, 2360-2363.	21.0	72
144	Large Area Growth of Aligned CNT Arrays on Spheres: Towards Large Scale and Continuous Production. Chemical Vapor Deposition, 2007, 13, 533-536.	1.3	54

#	Article	IF	Citations
145	The quantitative characterization of the concentration and dispersion of multi-walled carbon nanotubes in suspension by spectrophotometry. Nanotechnology, 2006, 17, 3692-3698.	2.6	94