

# Rong Xiang

## List of Publications by Year in descending order

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145  
papers

5,058  
citations

87843

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106281

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docs citations

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times ranked

6476  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intertube Excitonic Coupling in Nanotube Van der Waals Heterostructures. <i>Advanced Functional Materials</i> , 2022, 32, 2104969.	7.8	18
2	One-Dimensional van der Waals Heterostructures: A Perspective. <i>ACS Nanoscience Au</i> , 2022, 2, 3-11.	2.0	21
3	Multi-Functional MoO <sub>3</sub> Doping of Carbon Nanotube Top Electrodes for Highly Transparent and Efficient Semi-Transparent Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	14
4	Nanotube-based heterostructures for electrochemistry: A mini-review on lithium storage, hydrogen evolution and beyond. <i>Journal of Energy Chemistry</i> , 2022, 70, 630-642.	7.1	13
5	Universal Map of Gas-Dependent Kinetic Selectivity in Carbon Nanotube Growth. <i>ACS Nano</i> , 2022, , .	7.3	7
6	Intertube Excitonic Coupling in Nanotube Van der Waals Heterostructures ( <i>Adv. Funct. Mater.</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54.	7.8	1
7	Atomic precision manufacturing of carbon nanotube—a perspective. <i>International Journal of Extreme Manufacturing</i> , 2022, 4, 023001.	6.3	9
8	Twofold Effects of Zirconium Doping into TiN on Durability and Oxygen Reduction Reactivity in an Acidic Environment. <i>Energy &amp; Fuels</i> , 2022, 36, 539-547.	2.5	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. <i>Nature Communications</i> , 2022, 13, .	5.8	3
11	(Invited) Kinetic Selectivity of Chemical Vapor Deposition Growth of Carbon Nanotubes. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 767-767.	0.0	0
12	The Insights of Lithium Metal Plating/Stripping in Porous Hosts: Progress and Perspectives. <i>Energy Technology</i> , 2021, 9, 2000700.	1.8	38
13	Zeolite-supported synthesis, solution dispersion, and optical characterizations of single-walled carbon nanotubes wrapped by boron nitride nanotubes. <i>Journal of Applied Physics</i> , 2021, 129, 015101.	1.1	7
14	Phenomenological model of thermal transport in carbon nanotube and hetero-nanotube films. <i>Nanotechnology</i> , 2021, 32, 205708.	1.3	2
15	Multiscale Structural Modulation of Anisotropic Graphene Framework for Polymer Composites Achieving Highly Efficient Thermal Energy Management. <i>Advanced Science</i> , 2021, 8, 2003734.	5.6	108
16	One-Dimensional van der Waals Heterojunction Diode. <i>ACS Nano</i> , 2021, 15, 5600-5609.	7.3	34
17	Ultrahigh-Aspect-Ratio Boron Nitride Nanosheets Leading to Superhigh In-Plane Thermal Conductivity of Foldable Heat Spreader. <i>ACS Nano</i> , 2021, 15, 6489-6498.	7.3	191
18	Metallic Nanowire Coupled CsPbBr <sub>3</sub> Quantum Dots Plasmonic Nanolaser. <i>Advanced Functional Materials</i> , 2021, 31, 2102375.	7.8	23

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19	Controlled Removal of Surfactants from Double-Walled Carbon Nanotubes for Stronger p-Doping Effect and Its Demonstration in Perovskite Solar Cells. <i>Small Methods</i> , 2021, 5, e2100080.	4.6	11
20	Photoluminescence from Single-Walled MoS <sub>2</sub> Nanotubes Coaxially Grown on Boron Nitride Nanotubes. <i>ACS Nano</i> , 2021, 15, 8418-8426.	7.3	35
21	One-step direct oxidation of fullerene-fused alkoxy ethers to ketones for evaporable fullerene derivatives. <i>Communications Chemistry</i> , 2021, 4, .	2.0	12
22	Soft and Self-Adhesive Thermal Interface Materials Based on Vertically Aligned, Covalently Bonded Graphene Nanowalls for Efficient Microelectronic Cooling. <i>Advanced Functional Materials</i> , 2021, 31, 2104062.	7.8	95
23	Controlled Doping Engineering in 2D MoS <sub>2</sub> Crystals toward Performance Augmentation of Optoelectronic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 31861-31869.	4.0	16
24	Tailoring Highly Ordered Graphene Framework in Epoxy for High-Performance Polymer-Based Heat Dissipation Plates. <i>ACS Nano</i> , 2021, 15, 12922-12934.	7.3	75
25	Nanotube-Based 1D Heterostructures Coupled by van der Waals Forces. <i>Small</i> , 2021, 17, e2102585.	5.2	21
26	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
27	Lightweight thermal interface materials based on hierarchically structured graphene paper with superior through-plane thermal conductivity. <i>Chemical Engineering Journal</i> , 2021, 419, 129609.	6.6	54
28	SWCNT@BNNT With 1D Van Der Waals Heterostructure With a High Optical Damage Threshold for Laser Mode-Locking. <i>Journal of Lightwave Technology</i> , 2021, 39, 5875-5883.	2.7	7
29	Self-Patterned CsPbBr <sub>3</sub> Nanocrystal Based Plasmonic Hot-Carrier Photodetector at Telecommunications Wavelengths. <i>Advanced Optical Materials</i> , 2021, 9, 2101474.	3.6	5
30	Nanotube-Based 1D Heterostructures Coupled by van der Waals Forces (Small 38/2021). <i>Small</i> , 2021, 17, 2170196.	5.2	1
31	Thermal conductivity of one-dimensional carbon-boron nitride van der Waals heterostructure: A molecular dynamics study. <i>International Journal of Heat and Mass Transfer</i> , 2021, 180, 121773.	2.5	19
32	Heteronanotubes: Challenges and Opportunities. <i>Small Science</i> , 2021, 1, 2000039.	5.8	28
33	Atomic-Step-Induced Screw-Dislocation-Driven Spiral Growth of SnS. <i>Chemistry of Materials</i> , 2021, 33, 186-194.	3.2	16
34	Mechanism understanding for stripping electrochemistry of Li metal anode. <i>SusMat</i> , 2021, 1, 506-536.	7.8	93
35	Self-Patterned CsPbBr <sub>3</sub> Nanocrystal Based Plasmonic Hot-Carrier Photodetector at Telecommunications Wavelengths (Advanced Optical Materials 24/2021). <i>Advanced Optical Materials</i> , 2021, 9, .	3.6	1
36	Semiconductor nanochannels in metallic carbon nanotubes by thermomechanical chirality alteration. <i>Science</i> , 2021, 374, 1616-1620.	6.0	32

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37	The origin of sulfuryl-containing components in SEI from sulfate additives for stable cycling of ultrathin lithium metal anodes. <i>Journal of Energy Chemistry</i> , 2020, 47, 128-131.	7.1	63
38	Efficient Phosphorus Doping into the Surface Oxide Layers on TiN to Enhance Oxygen Reduction Reaction Activity in Acidic Media. <i>ACS Applied Energy Materials</i> , 2020, 3, 9866-9876.	2.5	7
39	Dry Drawability of Few-Walled Carbon Nanotubes Grown by Alcohol Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17331-17339.	1.5	3
40	MoS <sub>2</sub> -carbon nanotube heterostructure as efficient hole transporters and conductors in perovskite solar cells. <i>Applied Physics Express</i> , 2020, 13, 075009.	1.1	11
41	Ni-Co-Based Nanowire Arrays with Hierarchical Core-Shell Structure Electrodes for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 7580-7587.	2.5	11
42	One-dimensional van der Waals heterostructures. <i>Science</i> , 2020, 367, 537-542.	6.0	238
43	Ultrafast Optoelectronic Processes in 1D Radial van der Waals Heterostructures: Carbon, Boron Nitride, and MoS <sub>2</sub> Nanotubes with Coexisting Excitons and Highly Mobile Charges. <i>Nano Letters</i> , 2020, 20, 3560-3567.	4.5	40
44	Enhanced In-Plane Thermal Conductance of Thin Films Composed of Coaxially Combined Single-Walled Carbon Nanotubes and Boron Nitride Nanotubes. <i>ACS Nano</i> , 2020, 14, 4298-4305.	7.3	36
45	Non-catalytic heteroepitaxial growth of aligned, large-sized hexagonal boron nitride single-crystals on graphite. <i>Nanoscale</i> , 2020, 12, 10399-10406.	2.8	11
46	Solar Cells: Single-Walled Carbon Nanotubes in Emerging Solar Cells: Synthesis and Electrode Applications ( <i>Adv. Energy Mater.</i> 23/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970091.	10.2	2
47	Regrowth and catalytic etching of individual single-walled carbon nanotubes studied by isotope labeling and growth interruption. <i>Carbon</i> , 2019, 155, 635-642.	5.4	9
48	Efficient growth of vertically-aligned single-walled carbon nanotubes combining two unfavorable synthesis conditions. <i>Carbon</i> , 2019, 146, 413-419.	5.4	12
49	Atomic-scale structural identification and evolution of Co-W-C ternary SWCNT catalytic nanoparticles: High-resolution STEM imaging on SiO <sub>2</sub> . <i>Science Advances</i> , 2019, 5, eaat9459.	4.7	71
50	High-Performance Solution-Processed Double-Walled Carbon Nanotube Transparent Electrode for Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1901204.	10.2	101
51	Growth of single-walled carbon nanotubes by alcohol chemical vapor deposition with water vapor addition: Narrowing the diameter and chiral angle distributions. <i>Diamond and Related Materials</i> , 2019, 96, 160-166.	1.8	3
52	Semiconducting carbon nanotubes as crystal growth templates and grain bridges in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12987-12992.	5.2	57
53	Single-Walled Carbon Nanotubes in Emerging Solar Cells: Synthesis and Electrode Applications. <i>Advanced Energy Materials</i> , 2019, 9, 1801312.	10.2	86
54	Digital Isotope Coding to Trace the Growth Process of Individual Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2018, 12, 3994-4001.	7.3	17

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55	Fabrication, characterization, and high temperature surface enhanced Raman spectroscopic performance of SiO <sub>2</sub> coated silver particles. <i>Nanoscale</i> , 2018, 10, 5449-5456.	2.8	20
56	Achieving High Efficiency in Solution-Processed Perovskite Solar Cells Using C <sub>60</sub> /C <sub>70</sub> Mixed Fullerenes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39590-39598.	4.0	67
57	A Review of Functional Binders in Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1802107.	10.2	324
58	A Review of Advanced Energy Materials for Magnesium-Sulfur Batteries. <i>Energy and Environmental Materials</i> , 2018, 1, 100-112.	7.3	112
59	Thermal Conductivity of Carbon Nanotubes and Assemblies. <i>Advances in Heat Transfer</i> , 2018, 50, 43-122.	0.4	13
60	Quantitative study of bundle size effect on thermal conductivity of single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2018, 112, 191904.	1.5	32
61	A Comparison Between Reduced and Intentionally Oxidized Metal Catalysts for Growth of Single-Walled Carbon Nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1800187.	0.7	5
62	Measurement of in-plane sheet thermal conductance of single-walled carbon nanotube thin films by steady-state infrared thermography. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 075101.	0.8	11
63	Non-doped and unsorted single-walled carbon nanotubes as carrier-selective, transparent, and conductive electrode for perovskite solar cells. <i>MRS Communications</i> , 2018, 8, 1058-1063.	0.8	14
64	Revisiting behaviour of monometallic catalysts in chemical vapour deposition synthesis of single-walled carbon nanotubes. <i>Royal Society Open Science</i> , 2018, 5, 180345.	1.1	13
65	Extended alcohol catalytic chemical vapor deposition for efficient growth of single-walled carbon nanotubes thinner than (6,5). <i>Carbon</i> , 2017, 119, 502-510.	5.4	35
66	Morphology dependence of the thermal transport properties of single-walled carbon nanotube thin films. <i>Nanotechnology</i> , 2017, 28, 185701.	1.3	8
67	Chirality specific and spatially uniform synthesis of single-walled carbon nanotubes from a sputtered Co-W bimetallic catalyst. <i>Nanoscale</i> , 2016, 8, 14523-14529.	2.8	58
68	Load dependent frictional response of vertically aligned single-walled carbon nanotube films. <i>Scripta Materialia</i> , 2016, 125, 63-67.	2.6	7
69	Room temperature-processed inverted organic solar cells using high working-pressure-sputtered ZnO films. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18763-18768.	5.2	17
70	Epitaxial nucleation of CVD bilayer graphene on copper. <i>Nanoscale</i> , 2016, 8, 20001-20007.	2.8	8
71	Chemical vapor deposition growth of large single-crystal bernal-stacked bilayer graphene from ethanol. <i>Carbon</i> , 2016, 107, 852-856.	5.4	25
72	Synthesis of subnanometer-diameter vertically aligned single-walled carbon nanotubes with copper-anchored cobalt catalysts. <i>Nanoscale</i> , 2016, 8, 1608-1617.	2.8	61

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73	Nonhomogeneous morphology and the elastic modulus of aligned carbon nanotube films. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 115023.	1.5	4
74	Chemical Vapor Deposition Growth of Graphene and Related Materials. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 121013.	0.7	24
75	The role of Be incorporation in the modulation of the N doping ZnO. <i>Journal of Alloys and Compounds</i> , 2015, 622, 719-724.	2.8	16
76	Chemical vapor deposition growth of 5 mm hexagonal single-crystal graphene from ethanol. <i>Carbon</i> , 2015, 94, 810-815.	5.4	74
77	Tailoring Plasmon Resonances in Aluminium Nanoparticle Arrays Fabricated Using Anodic Aluminium Oxide. <i>Advanced Optical Materials</i> , 2015, 3, 248-256.	3.6	30
78	Grain boundary barrier modification due to coupling effect of crystal polar field and water molecular dipole in ZnO-based structures. <i>Applied Physics Letters</i> , 2014, 104, 242114.	1.5	5
79	High-performance zero-bias ultraviolet photodetector based on p-GaN/n-ZnO heterojunction. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	82
80	Carbon Nanotubes: Three-Dimensional Carbon Nanotube Sponge Array Architectures with High Energy Dissipation ( <i>Adv. Mater.</i> 8/2014). <i>Advanced Materials</i> , 2014, 26, 1307-1307.	11.1	4
81	Equilibrium Chemical Vapor Deposition Growth of Bernal-Stacked Bilayer Graphene. <i>ACS Nano</i> , 2014, 8, 11631-11638.	7.3	65
82	Integrated random-aligned carbon nanotube layers: deformation mechanism under compression. <i>Nanoscale</i> , 2014, 6, 1748-1755.	2.8	24
83	Engineering superlyophobic surfaces on curable materials based on facile and inexpensive microfabrication. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6952-6959.	5.2	60
84	Wide Range Bandgap Modulation Based on ZnO-based Alloys and Fabrication of Solar Blind UV Detectors with High Rejection Ratio. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 14152-14158.	4.0	55
85	Three-Dimensional Carbon Nanotube Sponge Array Architectures with High Energy Dissipation. <i>Advanced Materials</i> , 2014, 26, 1248-1253.	11.1	88
86	Is it possible to enhance Raman scattering of single-walled carbon nanotubes by metal particles during chemical vapor deposition?. <i>Carbon</i> , 2014, 80, 311-317.	5.4	6
87	The modulation of grain boundary barrier in ZnMgO/ZnO heterostructure by surface polar liquid. <i>Scientific Reports</i> , 2014, 4, 4185.	1.6	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. <i>Carbon</i> , 2013, 64, 537-540.	5.4	25
90	Structure and optical property of Be <sub>x</sub> Zn <sub>1-x</sub> O nanorod arrays. <i>Crystal Research and Technology</i> , 2013, 48, 599-602.	0.6	0

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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.	1.4	18
92	Zippering, 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.	3.3	40
93	Suppression of oxygen vacancies in Be alloyed ZnO. Journal of Alloys and Compounds, 2013, 577, 179-182.	2.8	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.	3.1	35
95	Carbon Atoms in Ethanol Do Not Contribute Equally to Formation of Single-Walled Carbon Nanotubes. ACS Nano, 2013, 7, 3095-3103.	7.3	43
96	Carbon Nanotube Sponge Array Tandem Composites with Extended Energy Absorption Range. Advanced Materials, 2013, 25, 1185-1191.	11.1	47
97	Magnetic and Highly Recyclable Macroporous Carbon Nanotubes for Spilled Oil Sorption and Separation. ACS Applied Materials & Interfaces, 2013, 5, 5845-5850.	4.0	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.	1.3	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.	1.5	3
101	Formation behavior of Be <sub>x</sub> Zn <sub>1-x</sub> O alloys grown by plasma-assisted molecular beam epitaxy. Applied Physics Letters, 2013, 102, .	1.5	31
102	Temperature-dependent structural relaxation of BeZnO alloys. Applied Physics Letters, 2013, 103, .	1.5	27
103	Heat Conduction Characteristics of Vertically Aligned Single-Walled Carbon Nanotubes Measured by Raman Spectroscopy. 880-02 Nihon Kikai Gakkai Ronbunshu 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.	1.7	44
105	Stabilization of p-type dopant nitrogen in BeZnO ternary alloy epitaxial thin films. Journal Physics D: Applied Physics, 2012, 45, 455101.	1.3	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.	1.5	19
107	Feedstock Diffusion and Decomposition in Aligned Carbon Nanotube Arrays. Journal of Heat Transfer, 2012, 134, .	1.2	1
108	Chemical Vapor Deposition Growth, Optical, and Thermal Characterization of Vertically Aligned Single-Walled Carbon Nanotubes. Journal of Heat Transfer, 2012, 134, .	1.2	2

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109	Superlow Thermal Conductivity 3D Carbon Nanotube Network for Thermoelectric Applications. ACS Applied Materials & Interfaces, 2012, 4, 81-86.	4.0	117
110	Diameter Modulation of Vertically Aligned Single-Walled Carbon Nanotubes. ACS Nano, 2012, 6, 7472-7479.	7.3	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.	2.7	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.	5.8	13
115	Anisotropic electrical conduction of vertically-aligned single-walled carbon nanotube films. Carbon, 2011, 49, 1446-1452.	5.4	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.	0.8	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.	0.8	20
118	Isotope-induced elastic scattering of optical phonons in individual suspended single-walled carbon nanotubes. Applied Physics Letters, 2011, 99, 093104.	1.5	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.	0.8	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.	0.8	15
122	Patterned Growth of High-Quality Single-Walled Carbon Nanotubes from Dip-Coated Catalyst. Japanese Journal of Applied Physics, 2010, 49, 02BA03.	0.8	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.	0.8	3
125	Estimating the Raman Cross Sections of Single Carbon Nanotubes. ACS Nano, 2010, 4, 3466-3470.	7.3	33
126	Controllable Expansion of Single-Walled Carbon Nanotube Dispersions Using Density Gradient Ultracentrifugation. Journal of Physical Chemistry C, 2010, 114, 4831-4834.	1.5	49



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127	Effect of density and fibre orientation on the ablation behaviour of carbon-carbon composites. <i>New Carbon Materials</i> , 2010, 25, 161-167.	2.9	43
128	MNM-4A-2 Diameter controlled CVD synthesis of single-walled carbon nanotubes. <i>The Proceedings of the Symposium on Micro-Nano Science and Technology</i> , 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. <i>Materials Letters</i> , 2009, 63, 84-87.	1.3	23
131	Acetylene-Accelerated Alcohol Catalytic Chemical Vapor Deposition Growth of Vertically Aligned Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7511-7515.	1.5	84
132	High-Precision Selective Deposition of Catalyst for Facile Localized Growth of Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2009, 131, 10344-10345.	6.6	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). <i>The Proceedings of the Symposium on Micro-Nano Science and Technology</i> , 2009, 2009.1, 23-24.	0.0	0
135	In situ growth of carbon nanotubes on inorganic fibers with different surface properties. <i>Materials Chemistry and Physics</i> , 2008, 107, 317-321.	2.0	30
136	Growth Deceleration of Vertically Aligned Carbon Nanotube Arrays: Catalyst Deactivation or Feedstock Diffusion Controlled?. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4892-4896.	1.5	102
137	Growth Mechanism and Internal Structure of Vertically Aligned Single-Walled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 6093-6098.	0.9	16
138	Vertically Aligned <sup>13</sup> C Single-Walled Carbon Nanotubes Synthesized by No-Flow Alcohol Chemical Vapor Deposition and their Root Growth Mechanism. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1971-1974.	0.8	24
139	Thermal Degradation of Single-Walled Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1994.	0.8	23
140	Temperature effect on the substrate selectivity of carbon nanotube growth in floating chemical vapor deposition. <i>Nanotechnology</i> , 2007, 18, 415703.	1.3	29
141	Investigating the Growth Process of Vertically Aligned Single-Walled Carbon Nanotubes Synthesized from Alcohol. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1057, 1.	0.1	0
142	Synchronous Growth of Vertically Aligned Carbon Nanotubes with Pristine Stress in the Heterogeneous Catalysis Process. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14638-14643.	1.5	86
143	Encapsulation, Compensation, and Substitution of Catalyst Particles during Continuous Growth of Carbon Nanotubes. <i>Advanced Materials</i> , 2007, 19, 2360-2363.	11.1	72
144	Large Area Growth of Aligned CNT Arrays on Spheres: Towards Large Scale and Continuous Production. <i>Chemical Vapor Deposition</i> , 2007, 13, 533-536.	1.4	54

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145	The quantitative characterization of the concentration and dispersion of multi-walled carbon nanotubes in suspension by spectrophotometry. <i>Nanotechnology</i> , 2006, 17, 3692-3698.	1.3	94