

Shohei Chiashi

List of Publications by Year in descending order

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156
papers

5,973
citations

87723

38
h-index

76769

74
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157
all docs

157
docs citations

157
times ranked

5492
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-temperature synthesis of high-purity single-walled carbon nanotubes from alcohol. Chemical Physics Letters, 2002, 360, 229-234.	1.2	965
2	Growth of vertically aligned single-walled carbon nanotube films on quartz substrates and their optical anisotropy. Chemical Physics Letters, 2004, 385, 298-303.	1.2	522
3	Fluorescence spectroscopy of single-walled carbon nanotubes synthesized from alcohol. Chemical Physics Letters, 2004, 387, 198-203.	1.2	299
4	One-dimensional van der Waals heterostructures. Science, 2020, 367, 537-542.	6.0	238
5	Direct synthesis of high-quality single-walled carbon nanotubes on silicon and quartz substrates. Chemical Physics Letters, 2003, 377, 49-54.	1.2	201
6	Characterization of single-walled carbon nanotubes catalytically synthesized from alcohol. Chemical Physics Letters, 2003, 374, 53-58.	1.2	173
7	Superconductivity in Entirely End-Bonded Multiwalled Carbon Nanotubes. Physical Review Letters, 2006, 96, 057001.	2.9	166
8	Enhanced thermal conductivity of ethylene glycol with single-walled carbon nanotube inclusions. International Journal of Heat and Mass Transfer, 2012, 55, 3885-3890.	2.5	122
9	Exciton Diffusion in Air-Suspended Single-Walled Carbon Nanotubes. Physical Review Letters, 2010, 104, 247402.	2.9	94
10	Self-Limiting Chemical Vapor Deposition Growth of Monolayer Graphene from Ethanol. Journal of Physical Chemistry C, 2013, 117, 10755-10763.	1.5	92
11	A simple combinatorial method to discover Co-Mo binary catalysts that grow vertically aligned single-walled carbon nanotubes. Carbon, 2006, 44, 1414-1419.	5.4	86
12	Cold wall CVD generation of single-walled carbon nanotubes and in situ Raman scattering measurements of the growth stage. Chemical Physics Letters, 2004, 386, 89-94.	1.2	82
13	Photoluminescence Measurements and Molecular Dynamics Simulations of Water Adsorption on the Hydrophobic Surface of a Carbon Nanotube in Water Vapor. Physical Review Letters, 2013, 110, 157402.	2.9	80
14	Anomalous Thermal Conduction Characteristics of Phase Change Composites with Single-Walled Carbon Nanotube Inclusions. Journal of Physical Chemistry C, 2013, 117, 15409-15413.	1.5	74
15	Chemical vapor deposition growth of 5 mm hexagonal single-crystal graphene from ethanol. Carbon, 2015, 94, 810-815.	5.4	74
16	Growth of Vertically Aligned Single-Walled Carbon Nanotubes on Alumina and Sapphire Substrates. Japanese Journal of Applied Physics, 2008, 47, 1956.	0.8	71
17	Growth of Single-Walled Carbon Nanotubes from Ceramic Particles by Alcohol Chemical Vapor Deposition. Applied Physics Express, 2008, 1, 014001.	1.1	71
18	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.	4.7	71

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19	Air-stable high-efficiency solar cells with dry-transferred single-walled carbon nanotube films. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11311-11318.	5.2	66
20	Equilibrium Chemical Vapor Deposition Growth of Bernal-Stacked Bilayer Graphene. <i>ACS Nano</i> , 2014, 8, 11631-11638.	7.3	65
21	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
22	Temperature Dependent Thermal Conductivity Increase of Aqueous Nanofluid with Single Walled Carbon Nanotube Inclusion. <i>Materials Express</i> , 2012, 2, 213-223.	0.2	59
23	Temperature Dependence of Raman Scattering from Single-Walled Carbon Nanotubes: Undefined Radial Breathing Mode Peaks at High Temperatures. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 2010.	0.8	58
24	Diameter-controlled and nitrogen-doped vertically aligned single-walled carbon nanotubes. <i>Carbon</i> , 2012, 50, 2635-2640.	5.4	58
25	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
26	Optical characterization of single-walled carbon nanotubes synthesized by catalytic decomposition of alcohol. <i>New Journal of Physics</i> , 2003, 5, 149-149.	1.2	57
27	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
28	Enhancement of carbon nanotube photoluminescence by photonic crystal nanocavities. <i>Applied Physics Letters</i> , 2012, 101, 141124.	1.5	53
29	Diameter Modulation of Vertically Aligned Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2012, 6, 7472-7479.	7.3	52
30	The growth of single-walled carbon nanotubes on a silica substrate without using a metal catalyst. <i>Carbon</i> , 2010, 48, 114-122.	5.4	51
31	Self-Assembled Microhoneycomb Network of Single-Walled Carbon Nanotubes for Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2571-2576.	2.1	51
32	Influence of Gas Adsorption on Optical Transition Energies of Single-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2008, 8, 3097-3101.	4.5	45
33	Deformable transparent all-carbon-nanotube transistors. <i>Applied Physics Letters</i> , 2012, 100, 063502.	1.5	45
34	Polyaromatic Nanotweezers on Semiconducting Carbon Nanotubes for the Growth and Interfacing of Lead Halide Perovskite Crystal Grains in Solar Cells. <i>Chemistry of Materials</i> , 2020, 32, 5125-5133.	3.2	45
35	Brightening of Triplet Dark Excitons by Atomic Hydrogen Adsorption in Single-Walled Carbon Nanotubes Observed by Photoluminescence Spectroscopy. <i>Physical Review Letters</i> , 2010, 105, 157403.	2.9	44
36	Carbon Atoms in Ethanol Do Not Contribute Equally to Formation of Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2013, 7, 3095-3103.	7.3	43

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37	Ultrafast Optoelectronic Processes in 1D Radial van der Waals Heterostructures: Carbon, Boron Nitride, and MoS ₂ Nanotubes with Coexisting Excitons and Highly Mobile Charges. Nano Letters, 2020, 20, 3560-3567.	4.5	40
38	Transfer and Alignment of Random Single-Walled Carbon Nanotube Films by Contact Printing. ACS Nano, 2010, 4, 933-938.	7.3	39
39	Gate-induced blueshift and quenching of photoluminescence in suspended single-walled carbon nanotubes. Physical Review B, 2011, 84, .	1.1	36
40	Selective removal of metallic single-walled carbon nanotubes in full length by organic film-assisted electrical breakdown. Nanoscale, 2014, 6, 8831-8835.	2.8	36
41	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.	7.3	36
42	Synthesis of single-walled carbon nanotubes with narrow diameter-distribution from fullerene. Chemical Physics Letters, 2003, 375, 553-559.	1.2	35
43	Extended alcohol catalytic chemical vapor deposition for efficient growth of single-walled carbon nanotubes thinner than (6,5). Carbon, 2017, 119, 502-510.	5.4	35
44	Photoluminescence from Single-Walled MoS ₂ Nanotubes Coaxially Grown on Boron Nitride Nanotubes. ACS Nano, 2021, 15, 8418-8426.	7.3	35
45	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, .	3.3	35
46	Macroscale tribological properties of fluorinated graphene. Applied Surface Science, 2018, 432, 190-195.	3.1	34
47	One-Dimensional van der Waals Heterojunction Diode. ACS Nano, 2021, 15, 5600-5609.	7.3	34
48	Estimating the Raman Cross Sections of Single Carbon Nanotubes. ACS Nano, 2010, 4, 3466-3470.	7.3	33
49	Quantitative study of bundle size effect on thermal conductivity of single-walled carbon nanotubes. Applied Physics Letters, 2018, 112, 191904.	1.5	32
50	Direct Synthesis of Single-Walled Carbon Nanotubes on Silicon and Quartz-Based Systems. Japanese Journal of Applied Physics, 2004, 43, 1221-1226.	0.8	31
51	Polarization dependence of resonant Raman scattering from vertically aligned single-walled carbon nanotube films. Physical Review B, 2005, 71, .	1.1	31
52	Adsorption effects on radial breathing mode of single-walled carbon nanotubes. Physical Review B, 2015, 91, .	1.1	31
53	Reversible Diameter Modulation of Single-Walled Carbon Nanotubes by Acetonitrile-Containing Feedstock. ACS Nano, 2013, 7, 2205-2211.	7.3	30
54	Suspended single-wall carbon nanotubes: synthesis and optical properties. Reports on Progress in Physics, 2009, 72, 066502.	8.1	29

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55	The controlled growth of horizontally aligned single-walled carbon nanotube arrays by a gas flow process. <i>Nanotechnology</i> , 2009, 20, 345604.	1.3	29
56	Generation of Single-Walled Carbon Nanotubes from Alcohol and Generation Mechanism by Molecular Dynamics Simulations. <i>Journal of Nanoscience and Nanotechnology</i> , 2004, 4, 360-367.	0.9	28
57	Effect of Gas Pressure on the Density of Horizontally Aligned Single-Walled Carbon Nanotubes Grown on Quartz Substrates. <i>Journal of Physical Chemistry C</i> , 2013, 117, 11804-11810.	1.5	28
58	Tunable separation of single-walled carbon nanotubes by dual-surfactant density gradient ultracentrifugation. <i>Nano Research</i> , 2011, 4, 623-634.	5.8	25
59	Water Encapsulation Control in Individual Single-Walled Carbon Nanotubes by Laser Irradiation. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 408-412.	2.1	25
60	Highly Stable and Tunable n-Type Graphene Field-Effect Transistors with Poly(vinyl alcohol) Films. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9702-9708.	4.0	25
61	Chemical vapor deposition growth of large single-crystal bernal-stacked bilayer graphene from ethanol. <i>Carbon</i> , 2016, 107, 852-856.	5.4	25
62	Growth of single-walled carbon nanotubes from size-selected catalytic metal particles. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 787-790.	1.1	24
63	Self-starting mode-locked Cr:ZnS laser using single-walled carbon nanotubes with resonant absorption at $24\frac{1}{4}\mu\text{m}$. <i>Optics Letters</i> , 2019, 44, 1750.	1.7	24
64	Supported Ni catalysts from nominal monolayer grow single-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2006, 428, 381-385.	1.2	21
65	Direct observation of single-walled carbon nanotube growth processes on SiO ₂ substrate by in situ scanning electron microscopy. <i>Chemical Physics Letters</i> , 2007, 449, 309-313.	1.2	21
66	Decomposition of Ethanol and Dimethyl Ether during Chemical Vapor Deposition Synthesis of Single-Walled Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 065101.	0.8	20
67	Fabrication, characterization, and high temperature surface enhanced Raman spectroscopic performance of SiO ₂ coated silver particles. <i>Nanoscale</i> , 2018, 10, 5449-5456.	2.8	20
68	Diameter Controlled Chemical Vapor Deposition Synthesis of Single-Walled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 370-376.	0.9	19
69	Ultrafast saturable absorption of large-diameter single-walled carbon nanotubes for passive mode locking in the mid-infrared. <i>Optics Express</i> , 2020, 28, 19997.	1.7	19
70	Intertube Excitonic Coupling in Nanotube Van der Waals Heterostructures. <i>Advanced Functional Materials</i> , 2022, 32, 2104969.	7.8	18
71	Investigation of non-segregation graphene growth on Ni via isotope-labeled alcohol catalytic chemical vapor deposition. <i>Nanoscale</i> , 2013, 5, 6530.	2.8	17
72	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

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73	Digital Isotope Coding to Trace the Growth Process of Individual Single-Walled Carbon Nanotubes. ACS Nano, 2018, 12, 3994-4001.	7.3	17
74	Confinement Effect of Sub-nanometer Difference on Melting Point of Ice-Nanotubes Measured by Photoluminescence Spectroscopy. ACS Nano, 2019, 13, 1177-1182.	7.3	17
75	Meissner effect in honeycomb arrays of multiwalled carbon nanotubes. Physical Review B, 2007, 76, .	1.1	16
76	Chirality analysis of horizontally aligned single-walled carbon nanotubes: decoupling populations and lengths. Journal of Materials Chemistry A, 2015, 3, 15119-15123.	5.2	16
77	Temperature Distribution and Thermal Conductivity Measurements of Chirality-Assigned Single-Walled Carbon Nanotubes by Photoluminescence Imaging Spectroscopy. ACS Omega, 2018, 3, 4352-4356.	1.6	16
78	Enhanced photo-sensitivity in a Si photodetector using a near-field assisted excitation. Communications Physics, 2019, 2, .	2.0	16
79	Field emission and anode etching during formation of length-controlled nanogaps in electrical breakdown of horizontally aligned single-walled carbon nanotubes. Nanoscale, 2016, 8, 16363-16370.	2.8	15
80	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
81	Localized synthesis of single-walled carbon nanotubes on silicon substrates by a laser heating catalytic CVD. Journal of Physics: Conference Series, 2007, 59, 155-158.	0.3	14
82	Investigation of Catalytic Properties of Al ₂ O ₃ Particles in the Growth of Single-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2010, 10, 4068-4073.	0.9	14
83	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.	0.8	14
84	Tailoring the surface morphology of carbon nanotube forests by plasma etching: A parametric study. Carbon, 2021, 180, 204-214.	5.4	14
85	Facile fabrication of all-SWNT field-effect transistors. Nano Research, 2011, 4, 580-588.	5.8	13
86	Direct physical exfoliation of few-layer graphene from graphite grown on a nickel foil using polydimethylsiloxane with tunable elasticity and adhesion. Nanotechnology, 2013, 24, 205302.	1.3	13
87	Water-assisted self-sustained burning of metallic single-walled carbon nanotubes for scalable transistor fabrication. Nano Research, 2017, 10, 3248-3260.	5.8	13
88	On-Chip Sorting of Long Semiconducting Carbon Nanotubes for Multiple Transistors along an Identical Array. ACS Nano, 2017, 11, 11497-11504.	7.3	13
89	Growth of Horizontally Aligned Single-Walled Carbon Nanotubes on the Singular R-Plane (10 ¹¹) of Quartz. Journal of Physical Chemistry C, 2012, 116, 6805-6808.	1.5	12
90	Thermally induced nonlinear vibration of single-walled carbon nanotubes. Physical Review B, 2015, 92, .	1.1	12

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91	Carrier polarity engineering in carbon nanotube field-effect transistors by induced charges in polymer insulator. <i>Applied Physics Letters</i> , 2018, 112, 013501.	1.5	12
92	Efficient growth of vertically-aligned single-walled carbon nanotubes combining two unfavorable synthesis conditions. <i>Carbon</i> , 2019, 146, 413-419.	5.4	12
93	Simultaneous measurement of photoluminescence and Raman scattering spectra from suspended single-walled carbon nanotubes. <i>Surface and Interface Analysis</i> , 2012, 44, 686-689.	0.8	11
94	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
95	Molecular Dynamics of Chirality Definable Growth of Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2019, 13, 6506-6512.	7.3	11
96	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
97	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
98	Patterned Growth of High-Quality Single-Walled Carbon Nanotubes from Dip-Coated Catalyst. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 02BA03.	0.8	8
99	Morphology dependence of the thermal transport properties of single-walled carbon nanotube thin films. <i>Nanotechnology</i> , 2017, 28, 185701.	1.3	8
100	Load dependent frictional response of vertically aligned single-walled carbon nanotube films. <i>Scripta Materialia</i> , 2016, 125, 63-67.	2.6	7
101	Growth Analysis of Single-Walled Carbon Nanotubes Based on Interatomic Potentials by Molecular Dynamics Simulation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9648-9653.	1.5	7
102	Ultrafast optical modulation of Dirac electrons in gated single-layer graphene. <i>Physical Review B</i> , 2020, 101, .	1.1	7
103	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
104	Effect of Ambient Gas on the Catalytic Properties of Au in Single-Walled Carbon Nanotube Growth. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1966.	0.8	7
105	Universal Map of Gas-Dependent Kinetic Selectivity in Carbon Nanotube Growth. <i>ACS Nano</i> , 2022, , .	7.3	7
106	Electronic structure characterization of an individual single-walled carbon nanotube by in situ electrochemical surface-enhanced Raman scattering spectroscopy. <i>Nanoscale</i> , 2016, 8, 19093-19098.	2.8	6
107	Indirect-to-direct band gap crossover of single walled MoS ₂ nanotubes. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 065002.	0.8	6
108	Thermal properties of single-walled carbon nanotube forests with various volume fractions. <i>International Journal of Heat and Mass Transfer</i> , 2021, 171, 121076.	2.5	6

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109	On the polarization-dependent Raman spectra of aligned carbon nanotubes. Applied Physics A: Materials Science and Processing, 2012, 109, 509-513.	1.1	5
110	Generalized model of thermal boundary conductance between SWNT and surrounding supercritical Lennard-Jones fluid – derivation from molecular dynamics simulations. International Journal of Heat and Mass Transfer, 2012, 55, 2008-2013.	2.5	5
111	A Comparison Between Reduced and Intentionally Oxidized Metal Catalysts for Growth of Single-Walled Carbon Nanotubes. Physica Status Solidi (B): Basic Research, 2018, 255, 1800187.	0.7	5
112	Energetics and electronic structures of single walled carbon nanotubes encapsulated in boron nitride nanotubes. Applied Physics Express, 2020, 13, 015004.	1.1	5
113	FT-ICR studies of laser vaporized clusters from Ni/Co- and Ni/Y-loaded graphite samples. Physica B: Condensed Matter, 2002, 323, 272-274.	1.3	4
114	Direct Growth of Vertically Aligned Single-Walled Carbon Nanotubes on Metal Tip by Applying Electric Field. Japanese Journal of Applied Physics, 2007, 46, 6087-6090.	0.8	4
115	Superconductivity in entirely end-bonded multi-walled carbon nanotubes. Physica C: Superconductivity and Its Applications, 2007, 460-462, 111-115.	0.6	4
116	Manipulation of single-walled carbon nanotubes with a tweezers tip. Nanotechnology, 2008, 19, 445716.	1.3	4
117	Field emission of vertically aligned single-walled carbon nanotubes patterned by pressing a microstructured mold. Microelectronic Engineering, 2011, 88, 2700-2702.	1.1	4
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	Plasmon-Induced Selective Oxidation Reaction at Single-Walled Carbon Nanotubes. ACS Applied Materials & Interfaces, 2017, 9, 38992-38998.	4.0	4
120	Direct physical exfoliation and transfer of graphene grown via ethanol chemical vapor deposition. , 2011, , .		3
121	Reduction of single-walled carbon nanotube diameter to sub-nm via feedstock. Physica Status Solidi (B): Basic Research, 2012, 249, 2404-2407.	0.7	3
122	Fabrication of uniform vertically-aligned carbon nanotube-polymer composite thin films by capillary flow intrusion. Japanese Journal of Applied Physics, 2018, 57, 115101.	0.8	3
123	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.	1.8	3
124	Dry Drawability of Few-Walled Carbon Nanotubes Grown by Alcohol Chemical Vapor Deposition. Journal of Physical Chemistry C, 2020, 124, 17331-17339.	1.5	3
125	Temperature dependence of photoluminescence spectra from a suspended single-walled carbon nanotube with water adsorption layer. Journal of Applied Physics, 2021, 129, 014301.	1.1	3
126	Low-Temperature Generation of High-Purity Single-Walled Carbon Nanotubes by Alcohol CCVD Technique.. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2003, 69, 918-924.	0.2	2

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127	Effects of atomic-scale surface morphology on carbon nanotube alignment on thermally oxidized silicon surface. Applied Physics Letters, 2010, 96, 103102.	1.5	2
128	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
129	Gold deposition effects on photoluminescence and Raman scattering spectra of suspended single-walled carbon nanotubes. Japanese Journal of Applied Physics, 2015, 54, 055102.	0.8	2
130	Structured Single-Walled Carbon Nanotubes and Graphene for Solar Cells. Journal of Nanoscience and Nanotechnology, 2015, 15, 3107-3110.	0.9	2
131	Enhanced Raman scattering of graphene using double resonance in silicon photonic crystal nanocavities. Applied Physics Letters, 2018, 113, .	1.5	2
132	Heat diffusion-related damping process in a highly precise coarse-grained model for nonlinear motion of SWCNT. Scientific Reports, 2021, 11, 563.	1.6	2
133	Phenomenological model of thermal transport in carbon nanotube and hetero-nanotube films. Nanotechnology, 2021, 32, 205708.	1.3	2
134	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
135	High-Tc superconductivity in entirely end-bonded multi-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3423-3429.	0.7	1
136	High-Tc superconductivity in entirely end-bonded multi-walled carbon nanotubes. Microelectronics Journal, 2008, 39, 165-170.	1.1	1
137	Vertical Sheet Array of Carbon Nanotubes Grown on Sapphire Substrates Using Atomic Step Distribution. Applied Physics Express, 2010, 3, 065101.	1.1	1
138	Experimental assignment of phonon symmetry of G^{+} and G^{\sim} peaks from single-walled carbon nanotubes. Applied Physics Express, 2019, 12, 055009.	1.1	1
139	In situ observation of dewetting-induced deformation of vertically aligned single-walled carbon nanotubes. Diamond and Related Materials, 2019, 95, 115-120.	1.8	1
140	Thermal Conductivity Measurement of Vertically Aligned Single-Walled Carbon Nanotubes Utilizing Temperature Dependence of Raman Scattering. , 2011, , .		1
141	Effect of Surface Structure of Sapphire A-Face on Directional Carbon Nanotube Growth. E-Journal of Surface Science and Nanotechnology, 2009, 7, 904-907.	0.1	1
142	Raman Spectroscopy for Practical Characterization of Single-Wall Carbon Nanotubes in Various Environments. World Scientific Series on Carbon Nanoscience, 2019, , 49-73.	0.1	1
143	Intertube Excitonic Coupling in Nanotube Van der Waals Heterostructures (Adv. Funct. Mater.) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10 7.8 1	0.784314	1
144	Carbon Dioxide Triggers Carbon Nanotube Nucleation: Isotope Labeling Study on the Growth Process of Individual Nanotubes. ECS Journal of Solid State Science and Technology, 2022, 11, 071002.	0.9	1

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145	Growth of Single-Walled Carbon Nanotubes at Low Temperature and Low Pressure CVD Conditions. , 2010, , .		0
146	Molecular Dynamics of Thermal Boundary Resistance Between a Carbon Nanotube and Surrounding Fluids. , 2011, , .		0
147	Enhanced Thermal Conductivity of Water With Surfactant Encapsulated and Individualized Single-Walled Carbon Nanotube Dispersions. , 2012, , .		0
148	Self-Organized Micro-Honeycomb Network Structure of Single-Walled Carbon Nanotubes for Photovoltaic Devices. , 2013, , .		0
149	Water Molecule Adsorption on Vertically Aligned Single-Walled Carbon Nanotubes. , 2014, , .		0
150	Mode-Locked Oscillation of Cr:ZnS Laser using a Single Walled Carbon Nanotube Film with Resonant Absorption at 2.4 μ m. , 2019, , .		0
151	Fano resonance of optical phonons in a multilayer graphene stack. Japanese Journal of Applied Physics, 0, , .	0.8	0
152	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
153	Synthesis and Applications of Carbon Nanotubes and Graphene. Journal of the Japan Society for Precision Engineering, 2013, 79, 297-300.	0.0	0
154	Sub 5-cycle pulse generation from mode-locked Cr:ZnS laser using mid-IR resonant SWCNTs. , 2020, , .		0
155	(Invited) Kinetic Selectivity of Chemical Vapor Deposition Growth of Carbon Nanotubes. ECS Meeting Abstracts, 2022, MA2022-01, 767-767.	0.0	0
156	(Invited) One-Dimensional Features of Electron Transport in Single-Walled Carbon Nanotube Thin Films. ECS Meeting Abstracts, 2022, MA2022-01, 773-773.	0.0	0