Shohei Chiashi

List of Publications by Citations

144 papers	4,995 citations	35 h-index	67 g-index
157 ext. papers	5,504 ext. citations	6.1 avg, IF	5.33 L-index

#	Paper	IF	Citations
144	Low-temperature synthesis of high-purity single-walled carbon nanotubes from alcohol. *Chemical Physics Letters*, **2002**, 360, 229-234	2.5	857
143	Growth of vertically aligned single-walled carbon nanotube films on quartz substrates and their optical anisotropy. *Chemical Physics Letters*, **2004**, 385, 298-303	2.5	474
142	Fluorescence spectroscopy of single-walled carbon nanotubes synthesized from alcohol. *Chemical Physics Letters*, **2004**, 387, 198-203	2.5	281
141	Direct synthesis of high-quality single-walled carbon nanotubes on silicon and quartz substrates. *Chemical Physics Letters*, **2003**, 377, 49-54	2.5	183
140	Characterization of single-walled carbon nanotubes catalytically synthesized from alcohol. *Chemical Physics Letters*, **2003**, 374, 53-58	2.5	158
139	Superconductivity in entirely end-bonded multiwalled carbon nanotubes. *Physical Review Letters*, **2006**, 96, 057001	7.4	155
138	One-dimensional van der Waals heterostructures. *Science*, **2020**, 367, 537-542	33.3	119
137	Enhanced thermal conductivity of ethylene glycol with single-walled carbon nanotube inclusions. *International Journal of Heat and Mass Transfer*, **2012**, 55, 3885-3890	4.9	105
136	Exciton diffusion in air-suspended single-walled carbon nanotubes. *Physical Review Letters*, **2010**, 104, 247402	7.4	84
135	A simple combinatorial method to discover CoMo binary catalysts that grow vertically aligned single-walled carbon nanotubes. *Carbon*, **2006**, 44, 1414-1419	10.4	81
134	Self-Limiting Chemical Vapor Deposition Growth of Monolayer Graphene from Ethanol. *Journal of Physical Chemistry C*, **2013**, 117, 10755-10763	3.8	79
133	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	2.5	77
132	Chemical vapor deposition growth of 5 mm hexagonal single-crystal graphene from ethanol. *Carbon*, **2015**, 94, 810-815	10.4	68
131	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	7.4	67
130	Growth of Single-Walled Carbon Nanotubes from Ceramic Particles by Alcohol Chemical Vapor Deposition. *Applied Physics Express*, **2008**, 1, 014001	2.4	67
129	Anomalous Thermal Conduction Characteristics of Phase Change Composites with Single-Walled Carbon Nanotube Inclusions. *Journal of Physical Chemistry C*, **2013**, 117, 15409-15413	3.8	65
128	Growth of Vertically Aligned Single-Walled Carbon Nanotubes on Alumina and Sapphire Substrates. *Japanese Journal of Applied Physics*, **2008**, 47, 1956-1960	1.4	63

127	Air-stable high-efficiency solar cells with dry-transferred single-walled carbon nanotube films. *Journal of Materials Chemistry A*, **2014**, 2, 11311-11318	13	59
126	Equilibrium chemical vapor deposition growth of Bernal-stacked bilayer graphene. *ACS Nano*, **2014**, 8, 11631-8	16.7	55
125	Diameter-controlled and nitrogen-doped vertically aligned single-walled carbon nanotubes. *Carbon*, **2012**, 50, 2635-2640	10.4	53
124	Optical characterization of single-walled carbon nanotubes synthesized by catalytic decomposition of alcohol. *New Journal of Physics*, **2003**, 5, 149-149	2.9	53
123	Enhancement of carbon nanotube photoluminescence by photonic crystal nanocavities. *Applied Physics Letters*, **2012**, 101, 141124	3.4	50
122	Synthesis of subnanometer-diameter vertically aligned single-walled carbon nanotubes with copper-anchored cobalt catalysts. *Nanoscale*, **2016**, 8, 1608-17	7.7	49
121	Temperature Dependence of Raman Scattering from Single-Walled Carbon Nanotubes: Undefined Radial Breathing Mode Peaks at High Temperatures. *Japanese Journal of Applied Physics*, **2008**, 47, 2010-2015	1.4	49
120	Diameter modulation of vertically aligned single-walled carbon nanotubes. *ACS Nano*, **2012**, 6, 7472-9	16.7	48
119	Temperature Dependent Thermal Conductivity Increase of Aqueous Nanofluid with Single Walled Carbon Nanotube Inclusion. *Materials Express*, **2012**, 2, 213-223	1.3	48
118	Self-Assembled Microhoneycomb Network of Single-Walled Carbon Nanotubes for Solar Cells. *Journal of Physical Chemistry Letters*, **2013**, 4, 2571-2576	6.4	46
117	Chirality specific and spatially uniform synthesis of single-walled carbon nanotubes from a sputtered Co-W bimetallic catalyst. *Nanoscale*, **2016**, 8, 14523-9	7.7	46
116	The growth of single-walled carbon nanotubes on a silica substrate without using a metal catalyst. *Carbon*, **2010**, 48, 114-122	10.4	45
115	Semiconducting carbon nanotubes as crystal growth templates and grain bridges in perovskite solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 12987-12992	13	44
114	Deformable transparent all-carbon-nanotube transistors. *Applied Physics Letters*, **2012**, 100, 063502	3.4	43
113	Brightening of triplet dark excitons by atomic hydrogen adsorption in single-walled carbon nanotubes observed by photoluminescence spectroscopy. *Physical Review Letters*, **2010**, 105, 157403	7.4	42
112	Influence of gas adsorption on optical transition energies of single-walled carbon nanotubes. *Nano Letters*, **2008**, 8, 3097-101	11.5	40
111	Carbon atoms in ethanol do not contribute equally to formation of single-walled carbon nanotubes. *ACS Nano*, **2013**, 7, 3095-103	16.7	39
110	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

109	Transfer and alignment of random single-walled carbon nanotube films by contact printing. *ACS Nano*, **2010**, 4, 933-8	16.7	35
108	Gate-induced blueshift and quenching of photoluminescence in suspended single-walled carbon nanotubes. *Physical Review B*, **2011**, 84,	3.3	35
107	Synthesis of single-walled carbon nanotubes with narrow diameter-distribution from fullerene. *Chemical Physics Letters*, **2003**, 375, 553-559	2.5	31
106	Extended alcohol catalytic chemical vapor deposition for efficient growth of single-walled carbon nanotubes thinner than (6,5). *Carbon*, **2017**, 119, 502-510	10.4	30
105	Estimating the Raman cross sections of single carbon nanotubes. *ACS Nano*, **2010**, 4, 3466-70	16.7	30
104	Polarization dependence of resonant Raman scattering from vertically aligned single-walled carbon nanotube films. *Physical Review B*, **2005**, 71,	3.3	30
103	Polyaromatic Nanotweezers on Semiconducting Carbon Nanotubes for the Growth and Interfacing of Lead Halide Perovskite Crystal Grains in Solar Cells. *Chemistry of Materials*, **2020**, 32, 5125-5133	9.6	29
102	Reversible diameter modulation of single-walled carbon nanotubes by acetonitrile-containing feedstock. *ACS Nano*, **2013**, 7, 2205-11	16.7	28
101	Selective removal of metallic single-walled carbon nanotubes in full length by organic film-assisted electrical breakdown. *Nanoscale*, **2014**, 6, 8831-5	7.7	27
100	Adsorption effects on radial breathing mode of single-walled carbon nanotubes. *Physical Review B*, **2015**, 91,	3.3	26
99	Suspended single-wall carbon nanotubes: synthesis and optical properties. *Reports on Progress in Physics*, **2009**, 72, 066502	14.4	26
98	Direct Synthesis of Single-Walled Carbon Nanotubes on Silicon and Quartz-Based Systems. *Japanese Journal of Applied Physics*, **2004**, 43, 1221-1226	1.4	26
97	Water Encapsulation Control in Individual Single-Walled Carbon Nanotubes by Laser Irradiation. *Journal of Physical Chemistry Letters*, **2014**, 5, 408-12	6.4	25
96	The controlled growth of horizontally aligned single-walled carbon nanotube arrays by a gas flow process. *Nanotechnology*, **2009**, 20, 345604	3.4	25
95	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	16.7	25
94	Chemical vapor deposition growth of large single-crystal bernal-stacked bilayer graphene from ethanol. *Carbon*, **2016**, 107, 852-856	10.4	24
93	Tunable separation of single-walled carbon nanotubes by dual-surfactant density gradient ultracentrifugation. *Nano Research*, **2011**, 4, 623-634	10	24
92	Generation of single-walled carbon nanotubes from alcohol and generation mechanism by molecular dynamics simulations. *Journal of Nanoscience and Nanotechnology*, **2004**, 4, 360-7	1.3	24

91	Quantitative study of bundle size effect on thermal conductivity of single-walled carbon nanotubes. *Applied Physics Letters*, **2018**, 112, 191904	3.4	24
90	Effect of Gas Pressure on the Density of Horizontally Aligned Single-Walled Carbon Nanotubes Grown on Quartz Substrates. *Journal of Physical Chemistry C*, **2013**, 117, 11804-11810	3.8	23
89	Macroscale tribological properties of fluorinated graphene. *Applied Surface Science*, **2018**, 432, 190-195	6.7	22
88	Highly Stable and Tunable n-Type Graphene Field-Effect Transistors with Poly(vinyl alcohol) Films. *ACS Applied Materials & Interfaces*, **2015**, 7, 9702-8	9.5	21
87	Ultrafast Optoelectronic Processes in 1D Radial van der Waals Heterostructures: Carbon, Boron Nitride, and MoS Nanotubes with Coexisting Excitons and Highly Mobile Charges. *Nano Letters*, **2020**, 20, 3560-3567	11.5	21
86	Decomposition of Ethanol and Dimethyl Ether during Chemical Vapor Deposition Synthesis of Single-Walled Carbon Nanotubes. *Japanese Journal of Applied Physics*, **2011**, 50, 065101	1.4	18
85	Direct observation of single-walled carbon nanotube growth processes on SiO2 substrate by in situ scanning electron microscopy. *Chemical Physics Letters*, **2007**, 449, 309-313	2.5	18
84	Supported Ni catalysts from nominal monolayer grow single-walled carbon nanotubes. *Chemical Physics Letters*, **2006**, 428, 381-385	2.5	18
83	Growth of single-walled carbon nanotubes from size-selected catalytic metal particles. *Applied Physics A: Materials Science and Processing*, **2004**, 79, 787-790	2.6	18
82	Diameter controlled chemical vapor deposition synthesis of single-walled carbon nanotubes. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 370-6	1.3	17
81	Investigation of non-segregation graphene growth on Ni via isotope-labeled alcohol catalytic chemical vapor deposition. *Nanoscale*, **2013**, 5, 6530-7	7.7	16
80	Meissner effect in honeycomb arrays of multiwalled carbon nanotubes. *Physical Review B*, **2007**, 76,	3.3	16
79	Decomposition of Ethanol and Dimethyl Ether during Chemical Vapor Deposition Synthesis of Single-Walled Carbon Nanotubes. *Japanese Journal of Applied Physics*, **2011**, 50, 065101	1.4	15
78	One-Dimensional van der Waals Heterojunction Diode. *ACS Nano*, **2021**, 15, 5600-5609	16.7	15
77	Chirality analysis of horizontally aligned single-walled carbon nanotubes: decoupling populations and lengths. *Journal of Materials Chemistry A*, **2015**, 3, 15119-15123	13	14
76	Photoluminescence from Single-Walled MoS Nanotubes Coaxially Grown on Boron Nitride Nanotubes. *ACS Nano*, **2021**, 15, 8418-8426	16.7	14
75	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	7.7	13
74	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	13

73	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
72	Room temperature-processed inverted organic solar cells using high working-pressure-sputtered ZnO films. *Journal of Materials Chemistry A*, **2016**, 4, 18763-18768	13	12
71	Water-assisted self-sustained burning of metallic single-walled carbon nanotubes for scalable transistor fabrication. *Nano Research*, **2017**, 10, 3248-3260	10	12
70	On-Chip Sorting of Long Semiconducting Carbon Nanotubes for Multiple Transistors along an Identical Array. *ACS Nano*, **2017**, 11, 11497-11504	16.7	12
69	Investigation of catalytic properties of Al2O3 particles in the growth of single-walled carbon nanotubes. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 4068-73	1.3	12
68	Digital Isotope Coding to Trace the Growth Process of Individual Single-Walled Carbon Nanotubes. *ACS Nano*, **2018**, 12, 3994-4001	16.7	11
67	Fabrication, characterization, and high temperature surface enhanced Raman spectroscopic performance of SiO coated silver particles. *Nanoscale*, **2018**, 10, 5449-5456	7.7	11
66	Thermally induced nonlinear vibration of single-walled carbon nanotubes. *Physical Review B*, **2015**, 92,	3.3	11
65	Enhanced photo-sensitivity in a Si photodetector using a near-field assisted excitation. *Communications Physics*, **2019**, 2,	5.4	10
64	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	2.7	10
63	Simultaneous measurement of photoluminescence and Raman scattering spectra from suspended single-walled carbon nanotubes. *Surface and Interface Analysis*, **2012**, 44, 686-689	1.5	10
62	Growth of Horizontally Aligned Single-Walled Carbon Nanotubes on the Singular R-Plane (10$\bar{1}$1) of Quartz. *Journal of Physical Chemistry C*, **2012**, 116, 6805-6808	3.8	10
61	Facile fabrication of all-SWNT field-effect transistors. *Nano Research*, **2011**, 4, 580-588	10	10
60	Self-starting mode-locked Cr:ZnS laser using single-walled carbon nanotubes with resonant absorption at 2.4 μm. *Optics Letters*, **2019**, 44, 1750-1753	3	10
59	Confinement Effect of Sub-nanometer Difference on Melting Point of Ice-Nanotubes Measured by Photoluminescence Spectroscopy. *ACS Nano*, **2019**, 13, 1177-1182	16.7	9
58	Efficient growth of vertically-aligned single-walled carbon nanotubes combining two unfavorable synthesis conditions. *Carbon*, **2019**, 146, 413-419	10.4	9
57	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	1.4	9
56	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	3.4	9

55	Temperature Distribution and Thermal Conductivity Measurements of Chirality-Assigned Single-Walled Carbon Nanotubes by Photoluminescence Imaging Spectroscopy. *ACS Omega*, **2018**, 3, 4352-4356	3.9	8
54	Carrier polarity engineering in carbon nanotube field-effect transistors by induced charges in polymer insulator. *Applied Physics Letters*, **2018**, 112, 013501	3.4	8
53	Patterned Growth of High-Quality Single-Walled Carbon Nanotubes from Dip-Coated Catalyst. *Japanese Journal of Applied Physics*, **2010**, 49, 02BA03	1.4	7
52	Ultrafast saturable absorption of large-diameter single-walled carbon nanotubes for passive mode locking in the mid-infrared. *Optics Express*, **2020**, 28, 19997-20006	3.3	7
51	Non-catalytic heteroepitaxial growth of aligned, large-sized hexagonal boron nitride single-crystals on graphite. *Nanoscale*, **2020**, 12, 10399-10406	7.7	7
50	Molecular Dynamics of Chirality Definable Growth of Single-Walled Carbon Nanotubes. *ACS Nano*, **2019**, 13, 6506-6512	16.7	6
49	Electronic structure characterization of an individual single-walled carbon nanotube by in situ electrochemical surface-enhanced Raman scattering spectroscopy. *Nanoscale*, **2016**, 8, 19093-19098	7.7	6
48	Intertube Excitonic Coupling in Nanotube Van der Waals Heterostructures. *Advanced Functional Materials*,2104969	15.6	6
47	Morphology dependence of the thermal transport properties of single-walled carbon nanotube thin films. *Nanotechnology*, **2017**, 28, 185701	3.4	5
46	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	4.9	5
45	Effect of Ambient Gas on the Catalytic Properties of Au in Single-Walled Carbon Nanotube Growth. *Japanese Journal of Applied Physics*, **2008**, 47, 1966-1970	1.4	5
44	Plasmon-Induced Selective Oxidation Reaction at Single-Walled Carbon Nanotubes. *ACS Applied Materials & Interfaces*, **2017**, 9, 38992-38998	9.5	4
43	Regrowth and catalytic etching of individual single-walled carbon nanotubes studied by isotope labeling and growth interruption. *Carbon*, **2019**, 155, 635-642	10.4	4
42	Ultrafast optical modulation of Dirac electrons in gated single-layer graphene. *Physical Review B*, **2020**, 101,	3.3	4
41	Load dependent frictional response of vertically aligned single-walled carbon nanotube films. *Scripta Materialia*, **2016**, 125, 63-67	5.6	4
40	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	1.3	4
39	Isotope-induced elastic scattering of optical phonons in individual suspended single-walled carbon nanotubes. *Applied Physics Letters*, **2011**, 99, 093104	3.4	4
38	Manipulation of single-walled carbon nanotubes with a tweezers tip. *Nanotechnology*, **2008**, 19, 445716	3.4	4

37	FT□ICR studies of laser vaporized clusters from Ni/Co- and Ni/Y-loaded graphite samples. *Physica B: Condensed Matter*, **2002**, 323, 272-274	2.8	4
36	Energetics and electronic structures of single walled carbon nanotubes encapsulated in boron nitride nanotubes. *Applied Physics Express*, **2020**, 13, 015004	2.4	4
35	Reduction of single-walled carbon nanotube diameter to sub-nm via feedstock. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 2404-2407	1.3	3
34	On the polarization-dependent Raman spectra of aligned carbon nanotubes. *Applied Physics A: Materials Science and Processing*, **2012**, 109, 509-513	2.6	3
33	Field emission of vertically aligned single-walled carbon nanotubes patterned by pressing a microstructured mold. *Microelectronic Engineering*, **2011**, 88, 2700-2702	2.5	3
32	Superconductivity in entirely end-bonded multi-walled carbon nanotubes. *Physica C: Superconductivity and Its Applications*, **2007**, 460-462, 111-115	1.3	3
31	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	1.4	3
30	Fabrication of uniform vertically-aligned carbon nanotube□polymer composite thin films by capillary flow intrusion. *Japanese Journal of Applied Physics*, **2018**, 57, 115101	1.4	3
29	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	3.5	2
28	Gold deposition effects on photoluminescence and Raman scattering spectra of suspended single-walled carbon nanotubes. *Japanese Journal of Applied Physics*, **2015**, 54, 055102	1.4	2
27	Structured Single-Walled Carbon Nanotubes and Graphene for Solar Cells. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 3107-10	1.3	2
26	Growth Analysis of Single-Walled Carbon Nanotubes Based on Interatomic Potentials by Molecular Dynamics Simulation. *Journal of Physical Chemistry C*, **2018**, 122, 9648-9653	3.8	2
25	**2011**,		2
24	Effects of atomic-scale surface morphology on carbon nanotube alignment on thermally oxidized silicon surface. *Applied Physics Letters*, **2010**, 96, 103102	3.4	2
23	Simple Fabrication Technique for Field-Effect Transistor Array Using As-Grown Single-Walled Carbon Nanotubes. *Japanese Journal of Applied Physics*, **2011**, 50, 04DN08	1.4	2
22	Low-Temperature Generation of High-Purity Single-Walled Carbon Nanotubes by Alcohol CCVD Technique.. *880-02 Nihon Kikai Gakkai Ronbunsh□Transactions of the Japan Society of Mechanical Engineers Series B B-hen*, **2003**, 69, 918-924		2
21	Simple Fabrication Technique for Field-Effect Transistor Array Using As-Grown Single-Walled Carbon Nanotubes. *Japanese Journal of Applied Physics*, **2011**, 50, 04DN08	1.4	2
20	Thermal properties of single-walled carbon nanotube forests with various volume fractions. *International Journal of Heat and Mass Transfer*, **2021**, 171, 121076	4.9	2

19	Phenomenological model of thermal transport in carbon nanotube and hetero-nanotube films. *Nanotechnology*, **2021**, 32, 205708	3.4	2
18	Tailoring the surface morphology of carbon nanotube forests by plasma etching: A parametric study. *Carbon*, **2021**, 180, 204-214	10.4	2
17	Experimental assignment of phonon symmetry of G+ and G peaks from single-walled carbon nanotubes. *Applied Physics Express*, **2019**, 12, 055009	2.4	1
16	In situ observation of dewetting-induced deformation of vertically aligned single-walled carbon nanotubes. *Diamond and Related Materials*, **2019**, 95, 115-120	3.5	1
15	Enhanced Raman scattering of graphene using double resonance in silicon photonic crystal nanocavities. *Applied Physics Letters*, **2018**, 113, 081101	3.4	1
14	Vertical Sheet Array of Carbon Nanotubes Grown on Sapphire Substrates Using Atomic Step Distribution. *Applied Physics Express*, **2010**, 3, 065101	2.4	1
13	High-Tc superconductivity in entirely end-bonded multi-walled carbon nanotubes. *Microelectronics Journal*, **2008**, 39, 165-170	1.8	1
12	High-T c superconductivity in entirely end-bonded multi-walled carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2006**, 243, 3423-3429	1.3	1
11	Effect of Surface Structure of Sapphire A-Face on Directional Carbon Nanotube Growth. *E-Journal of Surface Science and Nanotechnology*, **2009**, 7, 904-907	0.7	1
10	Raman Spectroscopy for Practical Characterization of Single-Wall Carbon Nanotubes in Various Environments. *World Scientific Series on Carbon Nanoscience*, **2019**, 49-73	0.5	1
9	Dry Drawability of Few-Walled Carbon Nanotubes Grown by Alcohol Chemical Vapor Deposition. *Journal of Physical Chemistry C*, **2020**, 124, 17331-17339	3.8	1
8	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	1
7	Indirect-to-direct band gap crossover of single walled MoS2 nanotubes. *Japanese Journal of Applied Physics*, **2021**, 60, 065002	1.4	0
6	Temperature dependence of photoluminescence spectra from a suspended single-walled carbon nanotube with water adsorption layer. *Journal of Applied Physics*, **2021**, 129, 014301	2.5	0
5	Intertube Excitonic Coupling in Nanotube Van der Waals Heterostructures (Adv. Funct. Mater. 11/2022). *Advanced Functional Materials*, **2022**, 32, 2270069	15.6	0
4	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	
3	Synthesis and Applications of Carbon Nanotubes and Graphene. *Journal of the Japan Society for Precision Engineering*, **2013**, 79, 297-300	0.1	
2	Heat diffusion-related damping process in a highly precise coarse-grained model for nonlinear motion of SWCNT. *Scientific Reports*, **2021**, 11, 563	4.9	

1 Suspended Carbon Nanotubes for Quantum Hybrid Electronics. *Quantum Science and Technology*, **2022**, 99-122 1.2