

Seiji Akita

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

213
papers

5,904
citations

36
h-index

70
g-index

245
ext. papers

6,718
ext. citations

4.6
avg, IF

5.86
L-index

#	Paper	IF	Citations
213	Wireless, minimized, stretchable, and breathable electrocardiogram sensor system. <i>Applied Physics Reviews</i> , 2022 , 9, 011425	17.3	1
212	A wearable, flexible sensor for real-time, home monitoring of sleep apnea.. <i>IScience</i> , 2022 , 25, 104163	6.1	0
211	A Multi-Tasking Flexible Sensor via Reservoir Computing.. <i>Advanced Materials</i> , 2022 , e2201663	24	6
210	Phonon Engineering of Graphene by Structural Modifications. <i>Quantum Science and Technology</i> , 2022 , 25-41	1.2	
209	A Wearable Body Condition Sensor System with Wireless Feedback Alarm Functions. <i>Advanced Materials</i> , 2021 , 33, e2008701	24	37
208	Multimodal Wearable Sensor Sheet for Health-Related Chemical and Physical Monitoring. <i>ACS Sensors</i> , 2021 , 6, 1918-1924	9.2	10
207	Wireless and Flexible Skin Moisture and Temperature Sensor Sheets toward the Study of Thermoregulator Center. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100103	10.1	14
206	Wearable Sensors: A Wearable Body Condition Sensor System with Wireless Feedback Alarm Functions (Adv. Mater. 18/2021). <i>Advanced Materials</i> , 2021 , 33, 2170141	24	
205	Active-Matrix-Based Flexible Optical Image Sensor. <i>Advanced Materials Technologies</i> , 2021 , 6, 2100259	6.8	4
204	Flapping-Wing Dynamics as a Natural Detector of Wind Direction. <i>Advanced Intelligent Systems</i> , 2021 , 3, 2000174	6	6
203	Light-induced persistent resonance frequency shift of MoS2 mechanical resonator. <i>Applied Physics Express</i> , 2021 , 14, 035003	2.4	0
202	Controlling the thermal conductivity of multilayer graphene by strain. <i>Scientific Reports</i> , 2021 , 11, 195334.9		1
201	Highly stable Pd/HNbO-based flexible humidity sensor for perdurable wireless wearable applications. <i>Nanoscale Horizons</i> , 2021 , 6, 260-270	10.8	13
200	Wrist flexible heart pulse sensor integrated with a soft pump and a pneumatic balloon membrane.. <i>RSC Advances</i> , 2020 , 10, 17353-17358	3.7	5
199	Transformable Pneumatic Balloon-Type Soft Robot Using Attachable Shells. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000201	6.8	5
198	Out-of-plane electric whiskers based on nanocarbon strain sensors for multi-directional detection. <i>Carbon</i> , 2020 , 158, 698-703	10.4	11
197	Very Thin, Macroscale, Flexible, Tactile Pressure Sensor Sheet. <i>ACS Omega</i> , 2020 , 5, 17721-17725	3.9	5

196	Multimodal Plant Healthcare Flexible Sensor System. <i>ACS Nano</i> , 2020 , 14, 10966-10975	16.7	50
195	Detachable Flexible ISFET-Based pH Sensor Array with a Flexible Connector. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000583	6.4	5
194	Electronic Skin-Integrated Soft Robotic Hand 2019 ,		3
193	Human-Like Electronic Skin-Integrated Soft Robotic Hand. <i>Advanced Intelligent Systems</i> , 2019 , 1, 1900018		33
192	Graphene and Carbon Nanotube Heterojunction Transistors with Individual Gate Control. <i>ACS Nano</i> , 2019 , 13, 4771-4777	16.7	5
191	Dielectric actuation of optically transparent electromechanical resonator consisting of a cantilevered hexagonal boron nitride sheet. <i>Applied Physics Express</i> , 2019 , 12, 105001	2.4	0
190	Highly stable kirigami-structured stretchable strain sensors for perdurable wearable electronics. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9609-9617	7.1	67
189	Fabrication of tunnel barriers and single electron transistors in suspended multi-wall carbon nanotubes. <i>AIP Advances</i> , 2019 , 9, 105015	1.5	1
188	Highly Precise Multifunctional Thermal Management-Based Flexible Sensing Sheets. <i>ACS Nano</i> , 2019 , 13, 14348-14356	16.7	35
187	Textile-Based Flexible Tactile Force Sensor Sheet. <i>Advanced Functional Materials</i> , 2019 , 29, 1807957	15.6	34
186	All-Solution-Based Heterogeneous Material Formation for p-n Junction Diodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1021-1025	9.5	1
185	Photoresponse of graphene field-effect-transistor with n-type Si depletion layer gate. <i>Scientific Reports</i> , 2018 , 8, 4811	4.9	15
184	Tuning of the temperature dependence of the resonance frequency shift in atomically thin mechanical resonators with van der Waals heterojunctions. <i>2D Materials</i> , 2018 , 5, 045022	5.9	4
183	Effect of buffer layer on photoresponse of MoS2 phototransistor. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 06HB01	1.4	6
182	A wearable pH sensor with high sensitivity based on a flexible charge-coupled device. <i>Nature Electronics</i> , 2018 , 1, 596-603	28.4	106
181	Planar-Type Printed Flexible Mechanical Switch. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800134	6.4	2
180	Enhancement of graphene thermoelectric performance through defect engineering. <i>2D Materials</i> , 2017 , 4, 025019	5.9	72
179	All-printed, planar-type multi-functional wearable flexible patch integrated with acceleration, temperature, and ECG sensors 2017 ,		13

178	Wearable, Flexible, and Multifunctional Healthcare Device with an ISFET Chemical Sensor for Simultaneous Sweat pH and Skin Temperature Monitoring. <i>ACS Sensors</i> , 2017 , 2, 443-448	9.2	214
177	A Planar, Multisensing Wearable Health Monitoring Device Integrated with Acceleration, Temperature, and Electrocardiogram Sensors. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700057	6.8	25
176	Control of tunnel barriers in multi-wall carbon nanotubes using focused ion beam irradiation. <i>Nanotechnology</i> , 2017 , 28, 165302	3.4	4
175	Human-interactive multi-functional electronic wallpaper integrated with sensors and memory. <i>Materials Horizons</i> , 2017 , 4, 1079-1084	14.4	8
174	Resonance Control of a Graphene Drum Resonator in a Nonlinear Regime by a Standing Wave of Light. <i>ACS Omega</i> , 2017 , 2, 5792-5797	3.9	11
173	Effect of defect-induced carrier scattering on the thermoelectric power of graphene. <i>Applied Physics Letters</i> , 2017 , 110, 263501	3.4	9
172	Direct measurement of optical trapping force gradient on polystyrene microspheres using a carbon nanotube mechanical resonator. <i>Scientific Reports</i> , 2017 , 7, 2825	4.9	4
171	Efficient Skin Temperature Sensor and Stable Gel-Less Sticky ECG Sensor for a Wearable Flexible Healthcare Patch. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700495	10.1	152
170	Importance of gelation and crystallization for producing superhydrophobic surfaces from mixtures of hydrogenated castor oil and fatty acids. <i>Colloid and Polymer Science</i> , 2016 , 294, 69-75	2.4	2
169	Printed multifunctional flexible device with an integrated motion sensor for health care monitoring. <i>Science Advances</i> , 2016 , 2, e1601473	14.3	202
168	An extremely highly selective flexible compliant tactile touch sensor sheet. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 2345-2351	1.6	2
167	Bendable CMOS Digital and Analog Circuits Monolithically Integrated with a Temperature Sensor. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600058	6.8	12
166	Flexible and high selective pressure sensitive rubber for tactile sensing 2016 ,		2
165	Oscillation control of carbon nanotube mechanical resonator by electrostatic interaction induced retardation. <i>Scientific Reports</i> , 2016 , 6, 22600	4.9	10
164	An all-solution-processed tactile memory flexible device integrated with a NiO ReRAM. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9261-9265	7.1	12
163	Heat transfer of suspended carbon nanotube yarn to gases. <i>Applied Physics Express</i> , 2016 , 9, 085001	2.4	
162	Air Ambient-Operated pNIPAM-Based Flexible Actuators Stimulated by Human Body Temperature and Sunlight. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11002-6	9.5	37
161	Carbon nanotube mechanical resonator in potential well induced by van der Waals interaction with graphene. <i>Applied Physics Express</i> , 2015 , 8, 085101	2.4	2

160	Reduction of carbon byproducts for high-purity carbon nanocoil growth by suppressing catalyst collision. <i>Carbon</i> , 2015 , 89, 225-231	10.4	3
159	Highly selective flexible tactile strain and temperature sensors against substrate bending for an artificial skin. <i>RSC Advances</i> , 2015 , 5, 30170-30174	3.7	88
158	Nanomechanical Application of CNT 2015 , 187-199		
157	Flexible, printed tactile, friction, and temperature sensor array for artificial skin 2015 ,		2
156	Flexible and Wearable Sensors. <i>Lecture Notes in Computer Science</i> , 2015 , 675-684	0.9	1
155	Fabrication and characterization of tunnel barriers in a multi-walled carbon nanotube formed by argon atom beam irradiation. <i>Journal of Applied Physics</i> , 2015 , 118, 044306	2.5	3
154	Toward flexible and wearable human-interactive health-monitoring devices. <i>Advanced Healthcare Materials</i> , 2015 , 4, 487-500	10.1	229
153	Highly photosensitive graphene field-effect transistor with optical memory function. <i>Scientific Reports</i> , 2015 , 5, 15491	4.9	11
152	Suspended single-walled carbon-nanotube field-effect transistor for gas sensing application. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 06FB01	1.4	4
151	Mechanically Flexible and High-Performance CMOS Logic Circuits. <i>Scientific Reports</i> , 2015 , 5, 15099	4.9	36
150	High-performance, mechanically flexible, and vertically integrated 3D carbon nanotube and InGaZnO complementary circuits with a temperature sensor. <i>Advanced Materials</i> , 2015 , 27, 4674-80	24	73
149	Enhancing the Thermoelectric Device Performance of Graphene Using Isotopes and Isotopic Heterojunctions. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500175	6.4	11
148	Highly Stable Liquid-Solid Metal Contact Toward Multilayered Detachable Flexible Devices. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500080	6.4	13
147	Inorganic material-based flexible CMOS circuit and optical sensor 2015 ,		1
146	Wearable, Human-Interactive, Health-Monitoring, Wireless Devices Fabricated by Macroscale Printing Techniques. <i>Advanced Functional Materials</i> , 2014 , 24, 3299-3304	15.6	323
145	Fully printed, highly sensitive multifunctional artificial electronic whisker arrays integrated with strain and temperature sensors. <i>ACS Nano</i> , 2014 , 8, 3921-7	16.7	238
144	Superhydrophobic and Self-cleaning Macroscale Surfaces of Silicone Rubber and Its Mechanical Flexibility. <i>BioNanoScience</i> , 2014 , 4, 301-305	3.4	4
143	Fabrication of superhydrophobic surfaces from mixtures of aluminum distearate and fatty acids via intermediate organogel formation. <i>Colloid and Polymer Science</i> , 2014 , 292, 1475-1478	2.4	5

142	Artificially controlled synthesis of graphene intramolecular heterojunctions for phonon engineering. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014 , 8, 692-697	2.5	11
141	Flexible Electronics: Wearable, Human-Interactive, Health-Monitoring, Wireless Devices Fabricated by Macroscale Printing Techniques (Adv. Funct. Mater. 22/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 3298-3298	15.6	8
140	Printed wearable temperature sensor for health monitoring 2014 ,		23
139	In-situ optical microscopy observations of the growth of individual carbon nanocoils. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014 , 32, 031807	1.3	4
138	Printable and foldable electrodes based on a carbon nanotube/polymer composite. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 2631-2634	1.6	8
137	Cantilevered carbon nanotube hygrometer. <i>Applied Physics Letters</i> , 2014 , 104, 193104	3.4	4
136	Fully printed flexible fingerprint-like three-axis tactile and slip force and temperature sensors for artificial skin. <i>ACS Nano</i> , 2014 , 8, 12851-7	16.7	213
135	Solid State Devices and Materials. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 04E001	1.4	
134	Molecular Dynamics Simulations for Release of Stuck Carbon Nanotube Cantilever Beam toward Nanorelay Application. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 04CN06	1.4	5
133	Photothermal Actuation of Cantilevered Multiwall Carbon Nanotubes with Bimaterial Configuration toward Calorimeter. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 06GH02	1.4	3
132	Release and nonvolatile operation of carbon nanotube nanorelay by resonant vibration. <i>Applied Physics Letters</i> , 2013 , 103, 203504	3.4	5
131	Transient thermal response of an individual multiwall carbon nanotube. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013 , 10, 1616-1619		1
130	One-pass separation of single-wall carbon nanotubes by gel chromatography with a gradient of surfactant concentration. <i>Nanotechnology</i> , 2012 , 23, 235708	3.4	12
129	Influence of the structure of the nanotube on the mechanical properties of binder-free multi-walled carbon nanotube solids. <i>Carbon</i> , 2012 , 50, 34-39	10.4	10
128	Photothermal Excitation of Cantilevered Carbon Nanotube Resonators. <i>Applied Physics Express</i> , 2012 , 5, 075101	2.4	10
127	A multi-walled carbon nanotube cantilever for interaction force sensing in liquid. <i>AIP Advances</i> , 2012 , 2, 012144	1.5	2
126	A Carbon Nanotube Field-Effect Transistor with a Cantilevered Carbon Nanotube Gate. <i>Applied Physics Express</i> , 2012 , 5, 065101	2.4	5
125	Evaluation of Graphene Thin Films by Surface Plasmon Resonance. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 06FD24	1.4	

124	Sustained mechanical self-oscillation of carbon nanotube cantilever by phase locked loop with optomechanical heterodyne. <i>Applied Physics Letters</i> , 2011 , 98, 133103	3.4	9
123	Nanoincandescent Consisting of Individual Carbon Nanotubes. <i>Applied Physics Express</i> , 2011 , 4, 025101	2.4	5
122	Visualization of Vibrating Cantilevered Multilayer Graphene Mechanical Oscillator. <i>Applied Physics Express</i> , 2011 , 4, 115103	2.4	6
121	Selective recovery of gallium with continuous counter-current foam separation and its application to leaching solution of zinc refinery residues. <i>Separation and Purification Technology</i> , 2011 , 78, 181-188	8.3	29
120	Diameter-dependent dissipation of vibration energy of cantilevered multiwall carbon nanotubes. <i>Nanotechnology</i> , 2011 , 22, 165702	3.4	10
119	Improvement of transfer characteristic for carbon nanotube field effect transistor with poly crystalline PbZrxTi1-xO3 gate by ionic liquid. <i>Applied Physics Letters</i> , 2011 , 99, 223514	3.4	7
118	Temperature Dependence of Cantilevered Carbon Nanotube Oscillation. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 06GK02	1.4	3
117	Carbon nanotube resonator in liquid. <i>Nano Letters</i> , 2010 , 10, 3395-8	11.5	46
116	Response of Carbon Nanotube Field Effect Transistors to Vibrating Gate Determined by Scanning Gate Microscopy. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 04C202	1.4	2
115	Effect of Oxygen Included in Substrates for Growth of Brushlike Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 091602	1.4	3
114	Effect of Gaseous Dissipation of Oscillating Cantilevered Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 06FG04	1.4	13
113	Molecular Dynamics Simulations for Molecular Linear Motor Inside Nanotube. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 06FG03	1.4	12
112	A molecular linear motor consisting of carbon nanotubes. <i>Nano Letters</i> , 2009 , 9, 62-5	11.5	78
111	Synthesis of Multiwalled Carbon Nanocoils Using Codeposited Thin Film of FeBn as Catalyst. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 1949-1951	1.4	34
110	Visualization of Horizontally-Aligned Single-Walled Carbon Nanotube Growth with ¹³ C/ ¹² C Isotopes. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 1735-1738	3.8	26
109	Improved field emission characteristics of individual carbon nanotube coated with boron nitride nanofilm. <i>Journal of Vacuum Science & Technology B</i> , 2008 , 26, 872		17
108	Effect of Residual Acetylene Gas on Growth of Vertically Aligned Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 1937-1940	1.4	7
107	Alignment of Carbon Nanocoils in Polymer Matrix Using Dielectrophoresis. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 1991-1993	1.4	13

106	Characteristics of 4H-SiC Pt-gate metal-semiconductor field-effect transistor for use at high temperatures. <i>Thin Solid Films</i> , 2008 , 517, 1468-1470	2.2	3
105	Study of high temperature photocurrent properties of 6H-SiC UV sensor. <i>Thin Solid Films</i> , 2008 , 517, 1471-1473	2.2	2
104	Continuous Foam Separation of Metals Enhanced by Down-Flowing Surfactant Solution from Column Top. <i>Chemical Engineering Research and Design</i> , 2007 , 85, 229-233	5.5	11
103	Resonant vibration of cantilevered carbon nanocoil 2007 ,		5
102	Effect of MgO coating on field emission of a stand-alone carbon nanotube. <i>Journal of Vacuum Science & Technology B</i> , 2007 , 25, 1581		15
101	Determination of Carbon Nanocoil Orientation by Dielectrophoresis. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 1815-1817	1.4	5
100	Energy Barrier for Disappearance of Buckling to Form a Plastic Bend in Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, L1055-L1057	1.4	6
99	Barrier Modification at Contacts between Carbon Nanotube and Pt Electrode Using Well-Controlled Joule Heating. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, L359-L361	1.4	8
98	Energy Loss of Carbon Nanotube Cantilevers for Mechanical Vibration. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 6295-6298	1.4	11
97	Correlation between the mechanical and electrical properties of carbon nanotubes. <i>Nanotechnology</i> , 2007 , 18, 035702	3.4	16
96	Molecular dynamics study of electron-irradiation effects in single-walled carbon nanotubes. <i>Physical Review B</i> , 2007 , 75,	3.3	21
95	Plastic bending and shape-memory effect of double-wall carbon nanotubes. <i>Physical Review B</i> , 2007 , 76,	3.3	19
94	Covalent attachment of protein to the tip of a multiwalled carbon nanotube without sidewall decoration. <i>Journal of Applied Physics</i> , 2007 , 102, 094701	2.5	15
93	Novel operational method of continuous foam separation of gold [Injection of metal and/or surfactant solutions into rising foam bed. <i>Separation and Purification Technology</i> , 2006 , 52, 357-362	8.3	18
92	Single-Wall Carbon Nanotube Field Effect Transistors with Non-Volatile Memory Operation. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, L1036-L1038	1.4	19
91	Buckling of Multiwall Carbon Nanotubes under Axial Compression. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 5586-5589	1.4	19
90	In situ mass measurement of electron-beam-induced nanometer-sized W-related deposits using a carbon nanotube cantilever. <i>Applied Physics Letters</i> , 2006 , 89, 193115	3.4	22
89	Energetics of plastic bending of carbon nanotubes. <i>Physical Review B</i> , 2006 , 74,	3.3	28

88	Comparison of completed and attempted suicide in Akita, Japan. <i>Psychiatry and Clinical Neurosciences</i> , 2006 , 60, 289-95	6.2	52
87	Fabrication and characterization of high-resolution AFM tips with high-quality double-wall carbon nanotubes. <i>Chemical Physics Letters</i> , 2006 , 429, 581-585	2.5	27
86	Comparison of Field Emissions from Side Wall and Tip of an Individual Carbon Nanotube. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 1648-1651	1.4	30
85	Current-Induced Plastic Deformation of Double-Walled Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, L720-L722	1.4	30
84	Carbon nanotube oscillators toward zeptogram detection. <i>Applied Physics Letters</i> , 2005 , 86, 133111	3.4	86
83	Carbon nanotube atomic force microscopy probes 2005 , 5752, 1450		
82	Mechanical and Electrical Properties of Multiwall Nanotube under Interlayer Sliding. <i>E-Journal of Surface Science and Nanotechnology</i> , 2005 , 3, 86-93	0.7	5
81	Vertically Aligned Carbon Nanotubes Grown at Low Temperatures for Use in Displays. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 5642-5645	1.4	10
80	1D-TlInSe ₂ : Band Structure, Dielectric Function and Nanorods. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 709-714	1.4	18
79	Buckling Test under Axial Compression for Multiwall Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, L1097-L1099	1.4	8
78	Molecular Dynamics Study of Double-Walled Carbon Nanotubes for Nano-Mechanical Manipulation. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 1641-1647	1.4	20
77	Chirality Dependence of Mechanical Properties of Single-Walled Carbon Nanotubes under Axial Tensile Strain. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, L1307-L1309	1.4	28
76	Density of electron-beam-induced amorphous carbon deposits. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005 , 23, 1975		25
75	Electrical Properties of Connected Multiwall Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 1629-1632	1.4	3
74	Mechanical Properties of Sharpened Carbon Nanotube Tips. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 1637-1640	1.4	6
73	Daisylike Field-Emission Images from Standalone Open-Ended Carbon Nanotube. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, L197-L199	1.4	10
72	Instability of Field Emission from a Standalone Multiwalled Carbon Nanotube with an Insulator Barrier. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 1651-1654	1.4	7
71	Nanoscale Variable Resistance Using Interlayer Sliding of Multiwall Nanotube. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 3796-3798	1.4	14

70	Comparison of Capped Carbon Nanotube with Open-Ended One for Field Emission. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, L427-L429	1.4	5
69	Scanning Probe Microscope Tip with Carbon Nanotube Truss. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 4499-4501	1.4	3
68	Barrier Effect on Field Emission from Stand-alone Carbon Nanotube. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 864-867	1.4	17
67	Quantitative force measurements in liquid using frequency modulation atomic force microscopy. <i>Applied Physics Letters</i> , 2004 , 85, 3575-3577	3.4	40
66	Solvent extraction of gallium with non-ionic surfactants from hydrochloric acid solution and its application to metal recovery from zinc refinery residues. <i>Separation and Purification Technology</i> , 2004 , 37, 127-133	8.3	30
65	Current induced light emission from a multiwall carbon nanotube. <i>Thin Solid Films</i> , 2004 , 464-465, 364-367		31
64	Cooling effect on the growth of carbon nanotubes and optical emission spectroscopy in short-period arc-discharge. <i>Thin Solid Films</i> , 2004 , 464-465, 304-307	2.2	20
63	Extraction of Inner Shell from Multiwall Carbon Nanotubes for Scanning Probe Microscope Tip. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 3933-3936	1.4	40
62	Interlayer Sliding Force of Individual Multiwall Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 4830-4833	1.4	43
61	Orthopedic Treatment of Multiwalled Carbon Nanotube Probes. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 4866-4868	1.4	15
60	Nanoengineering of carbon nanotubes for nanotools. <i>New Journal of Physics</i> , 2003 , 5, 128-128	2.9	46
59	Molecular Dynamics Studies on Mechanical Properties of Carbon Nano Tubes with Pinhole Defects. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 4120-4123	1.4	31
58	Room Temperature Dielectric Function of Low Dimensional TlMeX ₂ . <i>Materials Research Society Symposia Proceedings</i> , 2003 , 803, 137		
57	Carbon-Nanotube Engineering for Probes and Tweezers Operating in Scanning Probe Microscope. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 772, 841		1
56	Improvement of MFM tips using Fe-alloy-capped carbon nanotubes. <i>Physica B: Condensed Matter</i> , 2002 , 323, 149-150	2.8	11
55	Nanolithography of organic polysilane films using carbon nanotube tips [Application to the etching process. <i>Physica B: Condensed Matter</i> , 2002 , 323, 151-152	2.8	5
54	Diameter Control of Arc Produced Multiwall Carbon Nanotubes by Ambient Gas Cooling. <i>Japanese Journal of Applied Physics</i> , 2002 , 41, L487-L489	1.4	16
53	Quantitative Analysis of the Magnetic Properties of Metal-Capped Carbon Nanotube Probe. <i>Japanese Journal of Applied Physics</i> , 2002 , 41, 5013-5016	1.4	26

52	Length Adjustment of Carbon Nanotube Probe by Electron Bombardment. <i>Japanese Journal of Applied Physics</i> , 2002 , 41, 4887-4889	1.4	34
51	Scanning Probe Microscope Lithography of Silicon Using a Combination of a Carbon Nanotube Tip and a Polysilane Film as a Mask. <i>Japanese Journal of Applied Physics</i> , 2002 , 41, 4973-4975	1.4	12
50	Manipulation of Nanomaterial by Carbon Nanotube Nanotweezers in Scanning Probe Microscope. <i>Japanese Journal of Applied Physics</i> , 2002 , 41, 4242-4245	1.4	29
49	Nanoscale Engineering of Nanotube Tip in Nanofactory.. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2002 , 45, 854-857		
48	Field emission from entangled carbon nanotubes coated on/in a hollow metallic tube. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001 , 475, 458-461	1.2	3
47	Quantitative analysis of the magnetic properties of a carbon nanotube probe in magnetic force microscopy. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, L43-L45	3	14
46	Reduction of Long-range Interactions using Carbon Nanotube Probes in Biological Systems. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, 1425-1428	1.4	14
45	Structural Stability of Carbon Nanotube Tips on Nanoindentation of Polycarbonate. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, 4289-4291	1.4	7
44	Nanotweezers consisting of carbon nanotubes operating in an atomic force microscope. <i>Applied Physics Letters</i> , 2001 , 79, 1691-1693	3.4	185
43	Field-emission device with carbon nanotubes for a flat panel display. <i>Synthetic Metals</i> , 2001 , 117, 207-219	9.6	59
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