Fumiyuki Nihey

List of Publications by Year
in descending order

27 papers	535 citations	687363 13 h-index	752698 20 g-index
27 all docs	27 docs citations	27 times ranked	597 citing authors

#	Article	IF	Citations
1	Diameter-Controlled Carbon Nanotubes Grown from Lithographically Defined Nanoparticles. Japanese Journal of Applied Physics, 2004, 43, L1356-L1358.	1.5	76
2	Aharonov-Bohm effect in antidot structures. Physica B: Condensed Matter, 1993, 184, 398-402.	2.7	72
3	Quantum transport in antidot arrays in magnetic fields. Physical Review B, 1995, 51, 9881-9890.	3.2	45
4	A Top-Gate Carbon-Nanotube Field-Effect Transistor with a Titanium-Dioxide Insulator. Japanese Journal of Applied Physics, 2002, 41, L1049-L1051.	1.5	41
5	Separation of Metallic and Semiconducting Single-Wall Carbon Nanotube Solution by Vertical Electric Field. Journal of Physical Chemistry C, 2011, 115, 22827-22832.	3.1	40
6	Fluorescence Visualization of Carbon Nanotubes by Modification with Silicon-Based Polymer. Nano Letters, 2002, 2, 1157-1160.	9.1	39
7	Diameterâ€Dependent Performance of Singleâ€Walled Carbon Nanotube Thinâ€Film Transistors. Advanced Materials, 2011, 23, 4631-4635.	21.0	39
8	Carbon-Nanotube Field-Effect Transistors with Very High Intrinsic Transconductance. Japanese Journal of Applied Physics, 2003, 42, L1288-L1291.	1.5	30
9	Length dependent performance of single-wall carbon nanotube thin film transistors. Carbon, 2015, 91, 370-377.	10.3	24
10	Estimating the yield and characteristics of random network carbon nanotube transistors. Applied Physics Letters, 2008, 92, 163507.	3.3	22
11	Highly Uniform Thin-Film Transistors Printed on Flexible Plastic Films with Morphology-Controlled Carbon Nanotube Network Channels. Applied Physics Express, 2012, 5, 055102.	2.4	22
12	Preparation and Characterization of Newly Discovered Fibrous Aggregates of Singleâ€Walled Carbon Nanohorns. Advanced Materials, 2016, 28, 7174-7177.	21.0	20
13	Relationship between carbon nanotube density and hysteresis characteristics of carbon nanotube random network-channel field effect transistors. Journal of Applied Physics, 2010, 107, 094501.	2.5	13
14	Low variability with high performance in thin-film transistors of semiconducting carbon nanotubes achieved by shortening tube lengths. RSC Advances, 2012, 2, 12408.	3.6	13
15	High Purity Semiconducting Single-Walled Carbon Nanotubes for Printed Electronics. ACS Applied Nano Materials, 2019, 2, 4286-4292.	5.0	10
16	Carbon nanotubes forming cores of fibrous aggregates of carbon nanohorns. Carbon, 2017, 122, 665-668.	10.3	9
17	Preparation, electrical properties, and supercapacitor applications of fibrous aggregates of single-walled carbon nanohorns. Carbon, 2018, 138, 379-383.	10.3	6
18	Proposed measurements of the phaseâ€coherence length in a twoâ€dimensional electron gas at high magnetic fields. Journal of Applied Physics, 1992, 71, 4390-4398.	2.5	4

#	Article	IF	Citations
19	Phase-coherence length in a two-dimensional electron gas at high magnetic fields. Physica B: Condensed Matter, 1993, 184, 34-37.	2.7	3
20	Electrical property of printed transistors fabricated with various types of carbon nanotube ink. , 2012, , .		3
21	Thin-film transistors using DNA-wrapped semiconducting single-wall carbon nanotubes with selected chiralities. Applied Physics Express, 2015, 8, 105101.	2.4	2
22	Printing technology and advantage of purified semiconducting carbon nanotubes for thin film transistor fabrication on plastic films. , 2011, , .		1
23	Adhesion property of carbon nanotube micelles for high-quality printed transistors. , 2016, , .		1
24	ã‚«ãƒ¼ãƒœãƒ³ãƒŠãƒŽãƒãƒ¥ãƒ¼ãƒ–ãƒˆãƒ©ãƒ³ã‚¸ã‚¹ã‚¿. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2006, 57, 34	0.2	0
25	High performances and low variability of semiconducting-SWCNT thin-film-transistors achieved by shortening tube lengths. Materials Research Society Symposia Proceedings, 2014, 1586, 1.	0.1	0
26	Threshold shift by polymeric cover layer containing phthalocyanine pigment on printed CNT transistors. , 2015, , .		0
27	Resistance Evaluation and Growth of Carbon Nanotubes. IEEJ Transactions on Electronics, Information and Systems, 2006, 126, 720-724.	0.2	0