Jinsu Yoon

List of Publications by Year
in descending order

25 papers	873 citations	687363 13 h-index	713466 21 g-index
25 all docs	25 docs citations	25 times ranked	1531 citing authors

#	Article	IF	Citations
1	All-Solution-Processed Carbon Nanotube Floating Gate Memories. ACS Applied Nano Materials, 2022, 5, 7652-7657.	5.0	1
2	Humidity Effects According to the Type of Carbon Nanotubes. IEEE Access, 2021, 9, 6810-6816.	4.2	9
3	Vertical and lateral charge losses during short time retention in 3-D NAND flash memory. , 2021, , .		0
4	Hybrid integration of carbon nanotube and amorphous IGZO thin-film transistors. AIP Advances, 2020, 10, .	1.3	5
5	Flexible carbon nanotube Schottky diode and its integrated circuit applications. RSC Advances, 2019, 9, 22124-22128.	3.6	13
6	Binarized Neural Network with Silicon Nanosheet Synaptic Transistors for Supervised Pattern Classification. Scientific Reports, 2019, 9, 11705.	3.3	9
7	Carbon Nanotube Network Transistor for a Physical Unclonable Functions-based Security Device. , 2019, , .		2
8	Three-Dimensionally Printed Micro-electromechanical Switches. ACS Applied Materials & Interfaces, 2018, 10, 15841-15846.	8.0	15
9	Semiconducting Carbon Nanotube Schottky Diode and Integrated Circuit Applications. , 2018, , .		0
10	Hybrid complementary inverter based on carbon nanotube and IGZO thin-film transistors with controlled process conditions. Journal of Alloys and Compounds, 2018, 762, 456-462.	5.5	13
11	Three-Dimensional Printed Poly(vinyl alcohol) Substrate with Controlled On-Demand Degradation for Transient Electronics. ACS Nano, 2018, 12, 6006-6012.	14.6	43
12	Highly transparent tactile sensor based on a percolated carbon nanotube network. AIP Advances, 2018, 8, 065109.	1.3	11
13	Pattern Recognition Using Carbon Nanotube Synaptic Transistors with an Adjustable Weight Update Protocol. ACS Nano, 2017, 11, 2814-2822.	14.6	272
14	Semiconducting carbon nanotube network thin-film transistors with enhanced inkjet-printed source and drain contact interfaces. Applied Physics Letters, 2017, 111, 173108.	3.3	14
15	Transparent, Flexible Strain Sensor Based on a Solution-Processed Carbon Nanotube Network. ACS Applied Materials & Interfaces, 2017, 9, 26279-26285.	8.0	134
16	Determination of individual contact interfaces in carbon nanotube network-based transistors. Scientific Reports, 2017, 7, 5453.	3.3	7
17	Enhanced sensing of gas molecules by a 99.9% semiconducting carbon nanotube-based field-effect transistor sensor. Applied Physics Letters, 2017, 111, .	3.3	20
18	Flammable carbon nanotube transistors on a nitrocellulose paper substrate for transient electronics. Nano Research, 2017, 10, 87-96.	10.4	37

#	Article	IF	Citations
19	Logic circuits composed of flexible carbon nanotube thin-film transistor and ultra-thin polymer gate dielectric. Scientific Reports, 2016, 6, 26121.	3.3	29
20	Ink-jet printed semiconducting carbon nanotube ambipolar transistors and inverters with chemical doping technique using polyethyleneimine. Applied Physics Letters, 2016, 109, .	3.3	11
21	Comprehensive evaluation of early retention (fast charge loss within a few seconds) characteristics in tube-type 3-D NAND flash memory. , 2016, , .		11
22	Three-Dimensional Fin-Structured Semiconducting Carbon Nanotube Network Transistor. ACS Nano, 2016, 10, 10894-10900.	14.6	16
23	TCAD-Based Simulation Method for the Electrolyteâ€"Insulatorâ€"Semiconductor Field-Effect Transistor. IEEE Transactions on Electron Devices, 2015, 62, 1072-1075.	3.0	26
24	A Highly Responsive Silicon Nanowire/Amplifier MOSFET Hybrid Biosensor. Scientific Reports, 2015, 5, 12286.	3.3	55
25	Carbon Nanotube Synaptic Transistor Network for Pattern Recognition. ACS Applied Materials & Interfaces, 2015, 7, 25479-25486.	8.0	120