

Jinsu Yoon

List of Publications by Year in descending order

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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	Pattern Recognition Using Carbon Nanotube Synaptic Transistors with an Adjustable Weight Update Protocol. ACS Nano, 2017, 11, 2814-2822.	14.6	272
2	Transparent, Flexible Strain Sensor Based on a Solution-Processed Carbon Nanotube Network. ACS Applied Materials & Interfaces, 2017, 9, 26279-26285.	8.0	134
3	Carbon Nanotube Synaptic Transistor Network for Pattern Recognition. ACS Applied Materials & Interfaces, 2015, 7, 25479-25486.	8.0	120
4	A Highly Responsive Silicon Nanowire/Amplifier MOSFET Hybrid Biosensor. Scientific Reports, 2015, 5, 12286.	3.3	55
5	Three-Dimensional Printed Poly(vinyl alcohol) Substrate with Controlled On-Demand Degradation for Transient Electronics. ACS Nano, 2018, 12, 6006-6012.	14.6	43
6	Flammable carbon nanotube transistors on a nitrocellulose paper substrate for transient electronics. Nano Research, 2017, 10, 87-96.	10.4	37
7	Logic circuits composed of flexible carbon nanotube thin-film transistor and ultra-thin polymer gate dielectric. Scientific Reports, 2016, 6, 26121.	3.3	29
8	TCAD-Based Simulation Method for the Electrolyte-Insulator-Semiconductor Field-Effect Transistor. IEEE Transactions on Electron Devices, 2015, 62, 1072-1075.	3.0	26
9	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
10	Three-Dimensional Fin-Structured Semiconducting Carbon Nanotube Network Transistor. ACS Nano, 2016, 10, 10894-10900.	14.6	16
11	Three-Dimensionally Printed Micro-electromechanical Switches. ACS Applied Materials & Interfaces, 2018, 10, 15841-15846.	8.0	15
12	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
13	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
14	Flexible carbon nanotube Schottky diode and its integrated circuit applications. RSC Advances, 2019, 9, 22124-22128.	3.6	13
15	Ink-jet printed semiconducting carbon nanotube ambipolar transistors and inverters with chemical doping technique using polyethyleneimine. Applied Physics Letters, 2016, 109, .	3.3	11
16	Comprehensive evaluation of early retention (fast charge loss within a few seconds) characteristics in tube-type 3-D NAND flash memory. , 2016, , .		11
17	Highly transparent tactile sensor based on a percolated carbon nanotube network. AIP Advances, 2018, 8, 065109.	1.3	11
18	Binarized Neural Network with Silicon Nanosheet Synaptic Transistors for Supervised Pattern Classification. Scientific Reports, 2019, 9, 11705.	3.3	9

#	ARTICLE	IF	CITATIONS
19	Humidity Effects According to the Type of Carbon Nanotubes. IEEE Access, 2021, 9, 6810-6816.	4.2	9
20	Determination of individual contact interfaces in carbon nanotube network-based transistors. Scientific Reports, 2017, 7, 5453.	3.3	7
21	Hybrid integration of carbon nanotube and amorphous IGZO thin-film transistors. AIP Advances, 2020, 10, .	1.3	5
22	Carbon Nanotube Network Transistor for a Physical Unclonable Functions-based Security Device. , 2019, , .		2
23	All-Solution-Processed Carbon Nanotube Floating Gate Memories. ACS Applied Nano Materials, 2022, 5, 7652-7657.	5.0	1
24	Semiconducting Carbon Nanotube Schottky Diode and Integrated Circuit Applications. , 2018, , .		0
25	Vertical and lateral charge losses during short time retention in 3-D NAND flash memory. , 2021, , .		0