

Sumit Dutta

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

505
citations

1307594

7
h-index

1588992

8
g-index

17
all docs

17
docs citations

17
times ranked

919
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduction of hysteresis for carbon nanotube mobility measurements using pulsed characterization. Nanotechnology, 2010, 21, 085702.	2.6	100
2	Thermal dissipation and variability in electrical breakdown of carbon nanotube devices. Physical Review B, 2010, 82, .	3.2	89
3	Logic circuit prototypes for three-terminal magnetic tunnel junctions with mobile domain walls. Nature Communications, 2016, 7, 10275.	12.8	89
4	Magnetic Domain Wall Based Synaptic and Activation Function Generator for Neuromorphic Accelerators. Nano Letters, 2020, 20, 1033-1040.	9.1	72
5	A clustering based wind farm collector system cable layout design. , 2011, , .		45
6	A Web Service and Interface for Remote Electronic Device Characterization. IEEE Transactions on Education, 2011, 54, 646-651.	2.4	16
7	Micromagnetic modeling of domain wall motion in sub-100-nm-wide wires with individual and periodic edge defects. AIP Advances, 2015, 5, .	1.3	14
8	The Spatial Resolution Limit for an Individual Domain Wall in Magnetic Nanowires. Nano Letters, 2017, 17, 5869-5874.	9.1	14
9	Optimal storage scheduling for minimizing schedule deviations considering variability of generated wind power. , 2011, , .		13
10	A logic-in-memory design with 3-terminal magnetic tunnel junction function evaluators for convolutional neural networks. , 2017, , .		12
11	Optimal storage coordination for minimal wind generation schedule deviation. , 2010, , .		11
12	Prediction of short term power output of wind farms based on least squares method. , 2010, , .		10
13	Avalanche, joule breakdown and hysteresis in carbon nanotube transistors. , 2009, , .		8
14	Information processing and visualization of power system wide area time varying data. , 2013, , .		7
15	Effect of Magnetostatic Interactions on Stochastic Domain Wall Motion in Sub-100Ånm Wide Nanowires. IEEE Magnetics Letters, 2018, 9, 1-5.	1.1	3
16	Reduction of hysteresis in mobility measurements of carbon nanotube transistors by pulsed I–V characterization. , 2009, , .		1
17	Floating-point unit design with nano-electro-mechanical (NEM) relays. , 2014, , .		1