

# Sumit Dutta

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3720340/publications.pdf>

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	Magnetic Domain Wall Based Synaptic and Activation Function Generator for Neuromorphic Accelerators. Nano Letters, 2020, 20, 1033-1040.	9.1	72
2	Effect of Magnetostatic Interactions on Stochastic Domain Wall Motion in Sub-100Ånm Wide Nanowires. IEEE Magnetics Letters, 2018, 9, 1-5.	1.1	3
3	The Spatial Resolution Limit for an Individual Domain Wall in Magnetic Nanowires. Nano Letters, 2017, 17, 5869-5874.	9.1	14
4	A logic-in-memory design with 3-terminal magnetic tunnel junction function evaluators for convolutional neural networks. , 2017, , .		12
5	Logic circuit prototypes for three-terminal magnetic tunnel junctions with mobile domain walls. Nature Communications, 2016, 7, 10275.	12.8	89
6	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
7	Floating-point unit design with nano-electro-mechanical (NEM) relays. , 2014, , .		1
8	Information processing and visualization of power system wide area time varying data. , 2013, , .		7
9	A clustering based wind farm collector system cable layout design. , 2011, , .		45
10	Optimal storage scheduling for minimizing schedule deviations considering variability of generated wind power. , 2011, , .		13
11	A Web Service and Interface for Remote Electronic Device Characterization. IEEE Transactions on Education, 2011, 54, 646-651.	2.4	16
12	Prediction of short term power output of wind farms based on least squares method. , 2010, , .		10
13	Thermal dissipation and variability in electrical breakdown of carbon nanotube devices. Physical Review B, 2010, 82, .	3.2	89
14	Reduction of hysteresis for carbon nanotube mobility measurements using pulsed characterization. Nanotechnology, 2010, 21, 085702.	2.6	100
15	Optimal storage coordination for minimal wind generation schedule deviation. , 2010, , .		11
16	Avalanche, joule breakdown and hysteresis in carbon nanotube transistors. , 2009, , .		8
17	Reduction of hysteresis in mobility measurements of carbon nanotube transistors by pulsed I&#x2013;V characterization. , 2009, , .		1