

Dipesh Niraula

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3470780/publications.pdf>

Version: 2024-02-01

14
papers

195
citations

1163117

8
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

238
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive numerical modeling of filamentary RRAM devices including voltage ramp-rate and cycle-to-cycle variations. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	30
2	Heat Transfer in Filamentary RRAM Devices. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 4106-4113.	3.0	28
3	Thermodynamics of Phase Transitions and Bipolar Filamentary Switching in Resistive Random-Access Memory. <i>Physical Review Applied</i> , 2017, 8, .	3.8	27
4	Log-Normal Statistics in Filamentary RRAM Devices and Related Systems. <i>IEEE Electron Device Letters</i> , 2017, 38, 1240-1243.	3.9	19
5	Thermodynamic analysis of conductive filaments. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	13
6	Resistive switching in nano-structures. <i>Scientific Reports</i> , 2018, 8, 12212.	3.3	13
7	Quantum deep reinforcement learning for clinical decision support in oncology: application to adaptive radiotherapy. <i>Scientific Reports</i> , 2021, 11, 23545.	3.3	13
8	Electric field stimulated growth of Zn whiskers. <i>AIP Advances</i> , 2016, 6, 075201.	1.3	12
9	The probabilistic distribution of metal whisker lengths. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	8
10	The stochastic growth of metal whiskers. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	8
11	The Poole-Frenkel laws and a pathway to multi-valued memory. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	8
12	Precision radiotherapy via information integration of expert human knowledge and AI recommendation to optimize clinical decision making. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 221, 106927.	4.7	8
13	OFF State Conduction in Filamentary RRAM. <i>IEEE Electron Device Letters</i> , 2019, 40, 550-553.	3.9	6
14	Dimensional quantization effects in the thermodynamics of conductive filaments. <i>Nanotechnology</i> , 2018, 29, 265202.	2.6	0