

Alessandro Fumarola

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

799
citations

1684188
5
h-index

2053705
5
g-index

8
all docs

8
docs citations

8
times ranked

1254
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuromorphic computing using non-volatile memory. <i>Advances in Physics: X</i> , 2017, 2, 89-124.	4.1	629
2	Bidirectional Non-Filamentary RRAM as an Analog Neuromorphic Synapse, Part I: Al/Mo/Pr _{0.7} Ca _{0.3} MnO ₃ Material Improvements and Device Measurements. <i>IEEE Journal of the Electron Devices Society</i> , 2018, 6, 146-155.	2.1	54
3	Large-scale neural networks implemented with Non-Volatile Memory as the synaptic weight element: Impact of conductance response. , 2016, , .		31
4	Vanadium Oxide Bandstop Tunable Filter for Ka Frequency Bands Based on a Novel Reconfigurable Spiral Shape Defected Ground Plane CPW. <i>IEEE Access</i> , 2018, 6, 12206-12212.	4.2	28
5	Accelerating machine learning with Non-Volatile Memory: Exploring device and circuit tradeoffs. , 2016, , .		26
6	Bidirectional Non-Filamentary RRAM as an Analog Neuromorphic Synapse, Part II: Impact of Al/Mo/Pr _{0.7} Ca _{0.3} MnO ₃ Device Characteristics on Neural Network Training Accuracy. <i>IEEE Journal of the Electron Devices Society</i> , 2018, 6, 169-178.	2.1	23
7	A Reconfigurable Inductor Based on Vanadium Dioxide Insulator-to-Metal Transition. <i>IEEE Microwave and Wireless Components Letters</i> , 2018, 28, 795-797.	3.2	8
8	Non-filamentary non-volatile memory elements as synapses in neuromorphic systems. , 2019, , .		0