

# Peng Yan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

9

papers

1,405

citations

8

h-index

9

g-index

9

ext. papers

1,829

ext. citations

19

avg, IF

4.03

L-index

#	Paper	IF	Citations
9	A Low-Current and Analog Memristor with Ru as Mobile Species. <i>Advanced Materials</i> , <b>2020</b> , 32, e1904599	24	32
8	In situ training of feed-forward and recurrent convolutional memristor networks. <i>Nature Machine Intelligence</i> , <b>2019</b> , 1, 434-442	22.5	93
7	Reinforcement learning with analogue memristor arrays. <i>Nature Electronics</i> , <b>2019</b> , 2, 115-124	28.4	166
6	Long short-term memory networks in memristor crossbar arrays. <i>Nature Machine Intelligence</i> , <b>2019</b> , 1, 49-57	22.5	176
5	Fully memristive neural networks for pattern classification with unsupervised learning. <i>Nature Electronics</i> , <b>2018</b> , 1, 137-145	28.4	511
4	Efficient and self-adaptive in-situ learning in multilayer memristor neural networks. <i>Nature Communications</i> , <b>2018</b> , 9, 2385	17.4	371
3	A provable key destruction scheme based on memristive crossbar arrays. <i>Nature Electronics</i> , <b>2018</b> , 1, 548-554	28.4	32
2	Characteristics and transport mechanisms of triple switching regimes of TaOx memristor. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 173504	3.4	20
1	Reset switching statistics of TaOx-based Memristor. <i>Journal of Electroceramics</i> , <b>2017</b> , 39, 132-136	1.5	4