

# Ning Ge

## 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.

15  
papers

3,663  
citations

13  
h-index

15  
g-index

15  
ext. papers

4,561  
ext. citations

17.3  
avg, IF

4.92  
L-index

#	Paper	IF	Citations
15	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
14	Reinforcement learning with analogue memristor arrays. <i>Nature Electronics</i> , <b>2019</b> , 2, 115-124	28.4	166
13	Long short-term memory networks in memristor crossbar arrays. <i>Nature Machine Intelligence</i> , <b>2019</b> , 1, 49-57	22.5	176
12	Memristor-Based Analog Computation and Neural Network Classification with a Dot Product Engine. <i>Advanced Materials</i> , <b>2018</b> , 30, 1705914	24	339
11	Large Memristor Crossbars for Analog Computing <b>2018</b> ,		6
10	Efficient and self-adaptive in-situ learning in multilayer memristor neural networks. <i>Nature Communications</i> , <b>2018</b> , 9, 2385	17.4	371
9	Analogue signal and image processing with large memristor crossbars. <i>Nature Electronics</i> , <b>2018</b> , 1, 52-59	28.4	550
8	In-Memory Computing with Memristor Arrays <b>2018</b> ,		12
7	Anatomy of Ag/Hafnia-Based Selectors with 10 Nonlinearity. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604457	24	245
6	An efficient analog Hamming distance comparator realized with a unipolar memristor array: a showcase of physical computing. <i>Scientific Reports</i> , <b>2017</b> , 7, 40135	4.9	22
5	Memristors with diffusive dynamics as synaptic emulators for neuromorphic computing. <i>Nature Materials</i> , <b>2017</b> , 16, 101-108	27	1201
4	Dot-product engine for neuromorphic computing <b>2016</b> ,		303
3	Voltage divider effect for the improvement of variability and endurance of TaO(x) memristor. <i>Scientific Reports</i> , <b>2016</b> , 6, 20085	4.9	70
2	Repeatable, accurate, and high speed multi-level programming of memristor 1T1R arrays for power efficient analog computing applications. <i>Nanotechnology</i> , <b>2016</b> , 27, 365202	3.4	84
1	Low Variability Resistor Memristor Circuit Masking the Actual Memristor States. <i>Advanced Electronic Materials</i> , <b>2015</b> , 1, 1500095	6.4	25