

# Ning Ge

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12100558/publications.pdf>

Version: 2024-02-01

15  
papers

5,459  
citations

758635

12  
h-index

1199166

12  
g-index

15  
all docs

15  
docs citations

15  
times ranked

4325  
citing authors

#	ARTICLE	IF	CITATIONS
1	Memristors with diffusive dynamics as synaptic emulators for neuromorphic computing. Nature Materials, 2017, 16, 101-108.	13.3	1,655
2	Analogue signal and image processing with large memristor crossbars. Nature Electronics, 2018, 1, 52-59.	13.1	879
3	Efficient and self-adaptive in-situ learning in multilayer memristor neural networks. Nature Communications, 2018, 9, 2385.	5.8	575
4	Memristor-Based Analog Computation and Neural Network Classification with a Dot Product Engine. Advanced Materials, 2018, 30, 1705914.	11.1	517
5	Dot-product engine for neuromorphic computing. , 2016, , .		481
6	Anatomy of Ag/Hafnia-Based Selectors with $10^{10}$ Nonlinearity. Advanced Materials, 2017, 29, 1604457.	11.1	292
7	Long short-term memory networks in memristor crossbar arrays. Nature Machine Intelligence, 2019, 1, 49-57.	8.3	288
8	Reinforcement learning with analogue memristor arrays. Nature Electronics, 2019, 2, 115-124.	13.1	247
9	In situ training of feed-forward and recurrent convolutional memristor networks. Nature Machine Intelligence, 2019, 1, 434-442.	8.3	201
10	Repeatable, accurate, and high speed multi-level programming of memristor 1T1R arrays for power efficient analog computing applications. Nanotechnology, 2016, 27, 365202.	1.3	130
11	Voltage divider effect for the improvement of variability and endurance of TaOx memristor. Scientific Reports, 2016, 6, 20085.	1.6	93
12	Low Variability Resistor-Memristor Circuit Masking the Actual Memristor States. Advanced Electronic Materials, 2015, 1, 1500095.	2.6	34
13	An efficient analog Hamming distance comparator realized with a unipolar memristor array: a showcase of physical computing. Scientific Reports, 2017, 7, 40135.	1.6	27
14	In-Memory Computing with Memristor Arrays. , 2018, , .		26
15	Large Memristor Crossbars for Analog Computing. , 2018, , .		14