

Xing Chen

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

208
citations

1478505

6
h-index

1720034

7
g-index

13
all docs

13
docs citations

13
times ranked

274
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A compact skyrmionic leaky “integrate” fire spiking neuron device. <i>Nanoscale</i> , 2018, 10, 6139-6146. | 5.6 | 96 |
| 2 | Skyrmion dynamics in width-varying nanotracks and implications for skyrmionic applications. <i>Applied Physics Letters</i> , 2017, 111, . | 3.3 | 29 |
| 3 | Thermal Brownian Motion of Skyrmion for True Random Number Generation. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 2553-2558. | 3.0 | 20 |
| 4 | A Comparative Cross-layer Study on Racetrack Memories. <i>ACM Journal on Emerging Technologies in Computing Systems</i> , 2020, 16, 1-17. | 2.3 | 14 |
| 5 | Emerging Neuromorphic Computing Paradigms Exploring Magnetic Skyrmions. , 2018, , . | | 11 |
| 6 | A Comparative Study on Racetrack Memories: Domain Wall vs. Skyrmion. , 2018, , . | | 10 |
| 7 | Complementary Skyrmion Racetrack Memory Enables Voltage-Controlled Local Data Update Functionality. <i>IEEE Transactions on Electron Devices</i> , 2018, 65, 4667-4673. | 3.0 | 7 |
| 8 | Sky-RAM: Skyrmionic Random Access Memory. <i>IEEE Electron Device Letters</i> , 2019, 40, 722-725. | 3.9 | 7 |
| 9 | ZUMA. , 2019, , . | | 5 |
| 10 | Magnetic Skyrmion Spectrum Under Voltage Excitation and its Linear Modulation. <i>Physical Review Applied</i> , 2019, 12, . | 3.8 | 4 |
| 11 | SR-WTA: Skyrmion Racing Winner-Takes-All Module for Spiking Neural Computing. , 2019, , . | | 4 |
| 12 | Magnetic Skyrmion-Based Neural Recording System Design for Brain Machine Interface. , 2019, , . | | 1 |
| 13 | Unconventional applications of skyrmions. , 2021, , 393-416. | | 0 |