

# Xing Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10955685/publications.pdf>

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13  
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citations

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274  
citing authors

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