

# Shifan Gao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2990769/publications.pdf>

Version: 2024-02-01

11  
papers

73  
citations

2258059

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h-index

2272923

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11  
docs citations

11  
times ranked

82  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-efficiency array-level MRAM parameters extraction with the device-in-series test structure. Journal of Applied Physics, 2022, 131, .	2.5	0
2	Improvement of Ferroelectricity and Reliability in Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> Thin Films With Two-Step Oxygen Vacancy Engineering. IEEE Electron Device Letters, 2022, 43, 1057-1060.	3.9	8
3	Neural Network Acceleration and Voice Recognition with a Flash-based In-Memory Computing SoC. , 2021, , .		5
4	A Compute-in-Memory Architecture Compatible with 3D NAND Flash that Parallely Activates Multi-Layers. , 2021, , .		4
5	Superior Data Retention of Programmable Linear RAM (PLRAM) for Compute-in-Memory Application. , 2020, , .		3
6	MRAM Acceleration Core for Vector Matrix Multiplication and XNOR-Binarized Neural Network Inference. , 2020, , .		9
7	Systematic Study of Medium States in Spin-Transfer Torque Magnetoresistance Random Access Memory and Their Implication for the Bit Error Rate. IEEE Electron Device Letters, 2020, 41, 557-560.	3.9	2
8	An Euler-Lagrange Equation Oriented Solution for Write Energy Minimization of STT-MRAM. IEEE Transactions on Electron Devices, 2019, 66, 3686-3689.	3.0	5
9	Probing Write Error Rate and Random Telegraph Noise of MgO Based Magnetic Tunnel Junction Using a High Throughput Characterization System. , 2019, , .		3
10	Programmable Linear RAM: A New Flash Memory-based Memristor for Artificial Synapses and Its Application to Speech Recognition System. , 2019, , .		11
11	Rapid and Quantitative Analysis of Exosomes by a Chemiluminescence Immunoassay Using Superparamagnetic Iron Oxide Particles. Journal of Biomedical Nanotechnology, 2019, 15, 1792-1800.	1.1	23