

Hai Li

List of Publications by Year in descending order

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papers

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18
g-index

23
all docs

23
docs citations

23
times ranked

188
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding Signal and Noise in Heat Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2013, 49, 765-772.	2.1	95
2	Correcting Transition Curvature in Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2017, 53, 1-7.	2.1	28
3	Enabling ultra-low-voltage switching in BaTiO ₃ . Nature Materials, 2022, 21, 779-785.	27.5	28
4	Spin-charge Interconversion in KTaO ₃ 2D Electron Gases. Advanced Materials, 2021, 33, e2102102.	21.0	27
5	The Role of Media Property Distribution in HAMR SNR. IEEE Transactions on Magnetics, 2013, 49, 3568-3571.	2.1	21
6	Understanding the impact of Tc and Hk variation on signal-to-noise ratio in heat-assisted magnetic recording. Journal of Applied Physics, 2014, 115, 17B744.	2.5	16
7	Signal-to-noise ratio impact of grain-to-grain heating variation in heat assisted magnetic recording. Journal of Applied Physics, 2014, 115, 17B747.	2.5	13
8	Medium optimization for lowering head field and heating requirements in heat-assisted magnetic recording. IEEE Magnetics Letters, 2015, 6, 1-4.	1.1	12
9	Convolution Inference via Synchronization of a Coupled CMOS Oscillator Array. IEEE Journal on Exploratory Solid-State Computational Devices and Circuits, 2020, 6, 170-176.	1.5	11
10	Write head field design for correcting transition curvature in heat assisted magnetic recording. AIP Advances, 2017, 7, .	1.3	9
11	Low-voltage Magnetoelectric Coupling in Fe _{0.5} Rh _{0.5} /0.68PbMg _{1/3} Nb _{2/3} O ₃ ϵ -0.32PbTiO ₃ Thin-Film Heterostructures. Advanced Functional Materials, 2021, 31, 2105068.	1.0	8
12	Analysis of signal-to-noise ratio impact in heat assisted magnetic recording under insufficient head field. Journal of Applied Physics, 2015, 117, .	2.5	7
13	Curvature-Eliminating Head Field and Track Edge Characteristics in Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	7
14	Differential Electrically Insulated Magnetoelectric Spin-Orbit Logic Circuits. IEEE Journal on Exploratory Solid-State Computational Devices and Circuits, 2021, 7, 18-25.	1.5	7
15	Evaluating the Performances of the Ultralow Power Magnetoelectric Random Access Memory With a Physics-Based Compact Model of the Antiferromagnet/Ferromagnet Bilayer. IEEE Transactions on Electron Devices, 2022, 69, 2331-2337.	3.0	7
16	SNR Impact of Noise by Different Origins in FePt ϵ HAMR Media. IEEE Transactions on Magnetics, 2015, 51, 1-7.	2.1	4
17	Physics-Based Models for Magneto-Electric Spin-Orbit Logic Circuits. IEEE Journal on Exploratory Solid-State Computational Devices and Circuits, 2022, 8, 10-18.	1.5	4
18	HAMR Noise Mechanism Study With Spin-Stand Testing. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Measuring Temperature Dependence of Anisotropy Field in Heat-Assisted Magnetic Recording Media by Pump-Probe Method. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	3
20	Distinguishing Random and Spatially Deterministic Noise Components in Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	2
21	Gaussian Random Number Generator With Reconfigurable Mean and Variance Using Stochastic Magnetic Tunnel Junctions. IEEE Magnetics Letters, 2022, 13, 1-5.	1.1	1
22	Comparative study of micromagnetic modeling and experiment in heat-assisted magnetic recording. , 2015, , .		0
23	Reliability Characterization for 12 V Application Using the 22FFL FinFET Technology. , 2020, , .		0