

# Jian-Gang Zhu

## List of Publications by Year in descending order

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161  
papers

3,704  
citations

172207

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155451

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161  
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161  
docs citations

161  
times ranked

2793  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2008, 44, 125-131.	1.2	510
2	Magnetoresistive Random Access Memory: The Path to Competitiveness and Scalability. Proceedings of the IEEE, 2008, 96, 1786-1798.	16.4	207
3	Co/Pt multilayer based magnetic tunnel junctions using perpendicular magnetic anisotropy. Journal of Applied Physics, 2008, 103, .	1.1	122
4	Microwave Assisted Magnetic Recording Utilizing Perpendicular Spin Torque Oscillator With Switchable Perpendicular Electrodes. IEEE Transactions on Magnetics, 2010, 46, 751-757.	1.2	117
5	Ultrahigh-Density Arrays of Ferromagnetic Nanorings on Macroscopic Areas. Advanced Materials, 2004, 16, 2155-2159.	11.1	109
6	Understanding Signal and Noise in Heat Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2013, 49, 765-772.	1.2	95
7	Antiferromagnetic Spin Wave Field-Effect Transistor. Scientific Reports, 2016, 6, 24223.	1.6	92
8	Magnetization vortices and anomalous switching in patterned NiFeCo submicron arrays. Applied Physics Letters, 1999, 74, 2525-2527.	1.5	84
9	Ultrafast switching of antiferromagnets via spin-transfer torque. Physical Review B, 2015, 91, .	1.1	78
10	Spin valve and dual spin valve heads with synthetic antiferromagnets. IEEE Transactions on Magnetics, 1999, 35, 655-660.	1.2	76
11	Correction of Order Parameter Calculations for FePt Perpendicular Thin Films. IEEE Transactions on Magnetics, 2012, 48, 7-12.	1.2	74
12	Spin Torque and Field-Driven Perpendicular MRAM Designs Scalable to Multi-Gb/Chip Capacity. IEEE Transactions on Magnetics, 2006, 42, 2739-2741.	1.2	71
13	mLogic. , 2012, , .		66
14	Optimization of Ta thickness for perpendicular magnetic tunnel junction applications in the MgO-FeCoB-Ta system. Applied Physics Letters, 2012, 101, 072411.	1.5	65
15	Characteristics of AP bias in spin valve memory elements. IEEE Transactions on Magnetics, 1998, 34, 1063-1065.	1.2	64
16	Recording and transition noise simulations in thin film media. IEEE Transactions on Magnetics, 1988, 24, 2706-2708.	1.2	62
17	Thermal magnetic noise and spectra in spin valve heads. Journal of Applied Physics, 2002, 91, 7273.	1.1	61
18	Recording, noise, and servo characteristics of patterned thin film media. IEEE Transactions on Magnetics, 2000, 36, 23-29.	1.2	60

#	ARTICLE	IF	CITATIONS
19	Bias-Field-Free Microwave Oscillator Driven by Perpendicularly Polarized Spin Current. IEEE Transactions on Magnetics, 2006, 42, 2670-2672.	1.2	60
20	Novel STT-MTJ Device Enabling All-Metallic Logic Circuits. IEEE Transactions on Magnetics, 2012, 48, 3215-3218.	1.2	56
21	Modifying Viterbi Algorithm to Mitigate Intertrack Interference in Bit-Patterned Media. IEEE Transactions on Magnetics, 2007, 43, 2274-2276.	1.2	52
22	TDMR Platform Simulations and Experiments. IEEE Transactions on Magnetics, 2009, 45, 3837-3843.	1.2	52
23	A vertical MRAM free of write disturbance. IEEE Transactions on Magnetics, 2003, 39, 2854-2856.	1.2	51
24	A medium microstructure for high area density perpendicular recording. Journal of Applied Physics, 2006, 99, 08Q903.	1.1	48
25	Field-free Magnetization Switching by Utilizing the Spin Hall Effect and Interlayer Exchange Coupling of Iridium. Scientific Reports, 2019, 9, 325.	1.6	48
26	Spin transfer excited regular and chaotic spin waves in current perpendicular to plane spin valves. Journal of Applied Physics, 2004, 95, 6630-6632.	1.1	39
27	Energetic molding of chiral magnetic bubbles. Physical Review B, 2016, 94, .	1.1	39
28	Quantitative transmission electron microscopy analysis of multi-variant grains in present L1-FePt based heat assisted magnetic recording media. Journal of Applied Physics, 2014, 116, .	1.1	38
29	Narrow Track Confinement by AC Field Generation Layer in Microwave Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2008, 44, 3376-3379.	1.2	37
30	Fabrication and testing of deep submicron annular vertical magnetoresistive random access memory elements. Journal of Applied Physics, 2006, 99, 08H709.	1.1	29
31	Current Induced Noise in CPP Spin Valves. IEEE Transactions on Magnetics, 2004, 40, 2323-2325.	1.2	28
32	Fabrication, Microstructure, Magnetic, and Recording Properties of Percolated Perpendicular Media. IEEE Transactions on Magnetics, 2007, 43, 693-697.	1.2	26
33	Media damping constant and performance characteristics in microwave assisted magnetic recording with circular ac field. Journal of Applied Physics, 2009, 105, 07B902.	1.1	26
34	Current-driven reversal in annular vertical giant magnetoresistive devices. Applied Physics Letters, 2001, 78, 2029-2030.	1.5	24
35	A Model for Mark Size Dependence on Field Emission Voltage in Heat-Assisted Magnetic Probe Recording on CoNi/Pt Multilayers. IEEE Transactions on Magnetics, 2004, 40, 2549-2551.	1.2	24
36	Toward an understanding of grain-to-grain anisotropy field variation in thin film media. IEEE Transactions on Magnetics, 2005, 41, 543-548.	1.2	23

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37	Micromagnetics of Percolated Perpendicular Media. IEEE Transactions on Magnetism, 2007, 43, 687-692.	1.2	21
38	The Role of Media Property Distribution in HAMR SNR. IEEE Transactions on Magnetism, 2013, 49, 3568-3571.	1.2	21
39	A detached pole tip design of perpendicular write heads for high data-rate recording. IEEE Transactions on Magnetism, 2002, 38, 2240-2242.	1.2	20
40	The effect of external magnetic field on mark size in heat-assisted probe recording on CoNiPt multilayers. Journal of Applied Physics, 2006, 99, 023902.	1.1	20
41	Fabrication of Flyable Perpendicular Discrete Track Media. IEEE Transactions on Magnetism, 2007, 43, 2127-2129.	1.2	20
42	Multiple oxide content media for columnar grain growth in L1 FePt thin films. Applied Physics Letters, 2013, 102, .	1.5	20
43	Dynamic domain motion of thermal-magnetically formed marks on CoNiPt multilayers. Journal of Applied Physics, 2006, 100, 053901.	1.1	19
44	Characterization of Oxide Materials for Exchange Decoupling in Perpendicular Thin Film Media. IEEE Transactions on Magnetism, 2010, 46, 2260-2263.	1.2	19
45	SNR Enhancement in Segmented Perpendicular Media. IEEE Transactions on Magnetism, 2011, 47, 4066-4072.	1.2	19
46	Thermal Characterization of SiC Amorphous Thin Films. International Journal of Thermophysics, 2012, 33, 1000-1012.	1.0	19
47	Dependence of thermomagnetic mark size on applied STM voltage in Co-Pt multilayers. IEEE Transactions on Magnetism, 2002, 38, 1895-1897.	1.2	18
48	Naturally Oxidized FeCo as a Magnetic Coupling Layer for Electrically Isolated Read/Write Paths in mLogic. IEEE Transactions on Magnetism, 2013, 49, 4351-4354.	1.2	18
49	Effect of grain size and crystalline orientation on magnetic switching. Journal of Applied Physics, 1999, 85, 4776-4778.	1.1	17
50	Magnetic anisotropy and stacking faults in Co and Co <sub>84</sub> Pt <sub>16</sub> epitaxially grown thin films. Journal of Applied Physics, 2011, 110, 093919.	1.1	17
51	SNR and Areal Density Gain in MAMR With Segmented Media. IEEE Transactions on Magnetism, 2014, 50, 74-82.	1.2	17
52	Dynamic Feedback in Ferromagnetic Spin Hall Metal Heterostructures. Physical Review Letters, 2016, 117, 097202.	2.9	17
53	Novel Scheme for Producing Nanoscale Uniform Grains Based on Templated Two-Phase Growth. Nano Letters, 2014, 14, 1609-1613.	4.5	16
54	Deep Neural Network: Data Detection Channel for Hard Disk Drives by Learning. IEEE Transactions on Magnetism, 2020, 56, 1-8.	1.2	16

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55	Investigation of advanced position error signal patterns in patterned media. Journal of Applied Physics, 2000, 87, 5117-5119.	1.1	15
56	Thermally excited ferromagnetic resonance as diagnostic tool for spin valve heads. Journal of Applied Physics, 2003, 93, 8579-8581.	1.1	15
57	Recording Performance Study of PMR Media With Patterned Tracks. IEEE Transactions on Magnetics, 2007, 43, 2292-2294.	1.2	15
58	Antiferromagnet-based magnonic spin-transfer torque. Physical Review B, 2018, 98, .	1.1	15
59	Micromagnetic simulation of effect of stress-induced anisotropy in soft magnetic thin films. Journal of Applied Physics, 2004, 95, 6864-6866.	1.1	14
60	Writer pole tip remanence in perpendicular recording. IEEE Transactions on Magnetics, 2006, 42, 473-480.	1.2	14
61	Annealing effect and under/capping layer study on Co/Ni multilayer thin films for domain wall motion. Journal of Applied Physics, 2013, 113, 17C116.	1.1	14
62	The utilization of boron nitride (BN) for granular L1-FePt HAMR media fabrication. Applied Physics Letters, 2021, 118, .	1.5	14
63	Switching fluctuations and density limitations of pseudospin valve memory. Journal of Applied Physics, 2000, 87, 7061-7063.	1.1	13
64	On the shape optimization of magnetic random access memory element design. Journal of Applied Physics, 2003, 93, 8376-8378.	1.1	13
65	Increased Perpendicular TMR in FeCoB/MgO/FeCoB Magnetic Tunnel Junctions by Seedlayer Modifications. IEEE Transactions on Magnetics, 2013, 49, 4383-4385.	1.2	13
66	All-magnetic magnetoresistive random access memory based on four terminal mCell device. Journal of Applied Physics, 2015, 117, .	1.1	13
67	Study of Lithographically Defined Data Track and Servo Patterns. IEEE Transactions on Magnetics, 2007, 43, 4106-4112.	1.2	12
68	Understanding Noise Mechanism in Small Grain Size Perpendicular Thin Film Media. IEEE Transactions on Magnetics, 2010, 46, 2391-2393.	1.2	12
69	Origin of room temperature ferromagnetic moment in Rh-rich [Rh/Fe] multilayer thin films. Journal of Applied Physics, 2010, 107, 09E318.	1.1	12
70	Micromagnetic principles in pseudo spin valve memory element design. IEEE Transactions on Magnetics, 1997, 33, 3286-3288.	1.2	11
71	Dependence of the pole-tip remanence on the medium magnetization state underneath the trailing shield of a perpendicular write head. Journal of Applied Physics, 2005, 97, 10N518.	1.1	11
72	Effect of Damping Constant on Magnetic Switching in Spin Torque Driven Perpendicular MRAM. IEEE Transactions on Magnetics, 2007, 43, 2349-2351.	1.2	11

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73	Spin-transfer induced switching in nanomagneto-resistive devices composed of Co/Pt multilayers with perpendicular magnetic anisotropy. Journal of Applied Physics, 2009, 105, 07D129.	1.1	11
74	Thermal boundary resistance for gold and CoFe alloy on silicon nitride films. Journal of Applied Physics, 2012, 111, .	1.1	11
75	Modeling of electrically controlled molecular diffusion in a nanofluidic channel. Journal of Applied Physics, 2015, 118, 074301.	1.1	11
76	Medium Stack Optimization for Microwave-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	11
77	Micromagnetic study of network media. IEEE Transactions on Magnetics, 1998, 34, 1609-1611.	1.2	10
78	Angular dependence of the microwave excitation by direct current. Journal of Applied Physics, 2004, 95, 7318-7320.	1.1	10
79	Thermal Stability Enhancement of Perpendicular Media With High-Order Uniaxial Anisotropy. IEEE Transactions on Magnetics, 2004, 40, 2579-2581.	1.2	10
80	Single Antenna Time reversal Adaptive Interference Cancellation. , 0, , .		10
81	Domain Wall Pinning and Corresponding Energy Barrier in Percolated Perpendicular Medium. IEEE Transactions on Magnetics, 2007, 43, 2139-2141.	1.2	10
82	Spin stand study of density dependence of switching properties in patterned media. IEEE Transactions on Magnetics, 2000, 36, 2999-3001.	1.2	9
83	Micromagnetics of Percolated Perpendicular Medium for 1 Tb/in <sup>2</sup> and Beyond. IEEE Transactions on Magnetics, 2006, 42, 2360-2362.	1.2	9
84	The Effects of Post-Annealing on the Microstructure and Magnetic Properties of Percolated Perpendicular Media. IEEE Transactions on Magnetics, 2007, 43, 2136-2138.	1.2	9
85	Highly Ordered FePt $L1_0$ Thin Films With Small Grains on RuAl Seed Layers. IEEE Transactions on Magnetics, 2011, 47, 81-86.	1.2	9
86	Write head field design for correcting transition curvature in heat assisted magnetic recording. AIP Advances, 2017, 7, .	0.6	9
87	Effective Field Analysis of Segmented Media for Microwave-Assisted Magnetic Recording. IEEE Magnetics Letters, 2017, 8, 1-4.	0.6	9
88	2D write addressability of tunneling junction MRAM elements. IEEE Transactions on Magnetics, 2001, 37, 1963-1966.	1.2	8
89	Experimental Study of Perpendicular Write Heads at Data Rates Beyond 2 Cb/s. IEEE Transactions on Magnetics, 2006, 42, 2425-2427.	1.2	8
90	Novel Cascadable Magnetic Majority Gates for Implementing Comprehensive Logic Functions. IEEE Transactions on Electron Devices, 2018, 65, 4687-4693.	1.6	8

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91	Impact of Magnetic Medium Grain Height in Heat-Assisted Magnetic Recording. IEEE Magnetics Letters, 2019, 10, 1-5.	0.6	8
92	Understanding the growth of high-aspect-ratio grains in granular L1-FePt thin-film magnetic media. APL Materials, 2022, 10, .	2.2	8
93	An undergraduate laboratory in magnetic recording fundamentals. IEEE Transactions on Education, 2001, 44, 224-231.	2.0	7
94	The role of SUL in readback and effect on linear density performance for perpendicular recording. IEEE Transactions on Magnetics, 2003, 39, 1961-1966.	1.2	7
95	Control of resputtering in biased CoCrPt/SiO <sub>2</sub> media to enhance grain decoupling and grain size distribution. Journal of Applied Physics, 2008, 103, 07F541.	1.1	7
96	Topology and elemental distribution in Co alloy:oxide perpendicular media. Journal of Applied Physics, 2009, 105, 07B739.	1.1	7
97	Influences of film microstructure and defects on magnetization reversal in bit patterned Co/Pt multilayer thin film media. Journal of Applied Physics, 2011, 109, 093908.	1.1	7
98	Curvature-Eliminating Head Field and Track Edge Characteristics in Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	7
99	High-speed STT MRAM incorporating antiferromagnetic layer. Applied Physics Letters, 2019, 114, 022403.	1.5	7
100	High speed characteristics of thin film write heads at deep submicron track width. Journal of Applied Physics, 2000, 87, 5416-5418.	1.1	6
101	Stitched pole-tip design with enhanced head field for perpendicular recording. Journal of Applied Physics, 2003, 93, 6540-6542.	1.1	6
102	Understanding field rise time and magnetic damping in thin film recording heads. Journal of Applied Physics, 2003, 93, 6447-6449.	1.1	6
103	Spin Torque Enhancement of Thermally Excited Ferromagnetic Resonance in Tunneling MR Heads. IEEE Transactions on Magnetics, 2006, 42, 2441-2443.	1.2	6
104	Simulation of Realistic Particle Packing and Impact on High-Density Tape Recording. IEEE Transactions on Magnetics, 2009, 45, 3737-3740.	1.2	6
105	Understanding field angle for heat assisted magnetic recording via dynamic modeling. Journal of Applied Physics, 2011, 109, .	1.1	6
106	SPINTRONIC DEVICES AND CIRCUITS FOR LOW-VOLTAGE LOGIC. International Journal of High Speed Electronics and Systems, 2012, 21, 1250005.	0.3	6
107	Tailoring the Current-Driven Domain Wall Motion by Varying the Relative Thickness of Two Heavy Metal Underlayers. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	6
108	Analysis of dropout peakshift in magnetic tape recording. IEEE Transactions on Magnetics, 2000, 36, 2170-2172.	1.2	5

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109	A novel time reversal method for target detection in cluttered media. , 0, , .		5
110	Spin Transfer Torque in Deep Submicron Annular CPP-GMR Devices. IEEE Transactions on Magnetism, 2008, 44, 2500-2503.	1.2	5
111	Lithographically patterned servo position error signal patterns in perpendicular disks. Journal of Applied Physics, 2008, 103, 07C511.	1.1	5
112	Reduction of adjacent track encroachment in exchange coupled composite media through soft magnetic layer with high Ku. Journal of Applied Physics, 2008, 103, 07F530.	1.1	5
113	Automatically Resolving Intertrack Interference With Convolution Neural Network Detection Channel in TDMR. IEEE Transactions on Magnetism, 2021, 57, 1-6.	1.2	5
114	Micromagnetic Modeling of SNR Performance of Longitudinal and Perpendicular Media With Various Head/SUL Combinations. IEEE Transactions on Magnetism, 2004, 40, 2555-2557.	1.2	4
115	Experimental study of overwrite mechanism in perpendicular recording. IEEE Transactions on Magnetism, 2005, 41, 3076-3078.	1.2	4
116	Experimental results on target detection in cluttered medium using electromagnetic time-reversal techniques. , 0, , .		4
117	Experimental results on single antenna target detection using time-reversal techniques. , 2006, , .		4
118	Single antenna target detection using broadband frequency selection time reversal method. , 2006, , .		4
119	SNR Impact of Media Anisotropy Near Curie Temperature in Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetism, 2011, 47, 2368-2370.	1.2	4
120	Effect of RuAl and TiN Underlayers on Grain Morphology, Ordering, and Magnetic Properties of FePt-SiO <sub>2</sub> Thin Films. IEEE Transactions on Magnetism, 2013, 49, 3663-3666.	1.2	4
121	Annealing effect on current-driven domain wall motion in Pt/[Co/Ni] wire. Journal of Applied Physics, 2017, 122, .	1.1	4
122	Impact of Spin Torque Oscillator Frequency in Microwave-Assisted Magnetic Recording. IEEE Transactions on Magnetism, 2019, 55, 1-8.	1.2	4
123	CNN-Based Machine Learning Channel on TDMR Drive Data. IEEE Transactions on Magnetism, 2022, 58, 1-7.	1.2	4
124	Understanding overwrite for high speed magnetic recording. IEEE Transactions on Magnetism, 1999, 35, 2532-2534.	1.2	3
125	Analytical approach to driving efficiency in yoke GMR heads. IEEE Transactions on Magnetism, 1999, 35, 2550-2552.	1.2	3
126	Array Processing Using Time Reversal: Experiments and Performance. , 0, , .		3

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127	Antenna Array Detection in Highly Cluttered Environment Using Time Reversal Method. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	3
128	Optimization of perpendicular recording on exchange coupled composite media. Journal of Applied Physics, 2008, 103, 07F527.	1.1	3
129	Co-7% Ir Soft Magnetic Intermediate Layer for Perpendicular Media. IEEE Transactions on Magnetics, 2010, 46, 2278-2281.	1.2	3
130	Fabrication and Recording of Bit Patterned Media Prepared by Rotary Stage Electron Beam Lithography. IEEE Transactions on Magnetics, 2011, 47, 2656-2659.	1.2	3
131	Fabrication of bit patterned media using templated two-phase growth. APL Materials, 2017, 5, .	2.2	3
132	Increased boron content for wider process tolerance in perpendicular MTJs. AIP Advances, 2017, 7, 055901.	0.6	3
133	Resonant Spin-Transfer Torque Magnetoresistive Memory. IEEE Transactions on Magnetics, 2019, 55, 1-7.	1.2	3
134	Incoherent Magnetic Switching of L1 <sub>0</sub> FePt Grains. IEEE Transactions on Magnetics, 2021, 57, 1-9.	1.2	3
135	Fabrication of FePt/FePt-BN/FePt-SiO <sub>x</sub> Granular Film for HAMR Media on Corning Lotus NXT Glass Substrate. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	3
136	Transition noise in nanobicrystalline thin film media. IEEE Transactions on Magnetics, 1997, 33, 2950-2952.	1.2	2
137	Waveform Shaping for Time Reversal Interference Cancellation: A Time Domain Approach. , 0, , .		2
138	Polarization Sensitive time reversal SAR imaging in an environment filled with trees. , 2007, , .		2
139	Synthetic Aperture Radar Ghost Image Cancellation Using Broadband Time Reversal Averaging Techniques. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	2
140	Writability in Discrete Track Media. IEEE Transactions on Magnetics, 2008, 44, 3442-3445.	1.2	2
141	A path for conventional perpendicular recording to reach 1 Tb/in.2 and beyond. Journal of Applied Physics, 2011, 109, .	1.1	2
142	Distinguishing Random and Spatially Deterministic Noise Components in Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	2
143	Segmented media and medium damping in microwave assisted magnetic recording. AIP Advances, 2018, 8, 056508.	0.6	2
144	Spin Hall driven domain wall motion in magnetic bilayers coupled by a magnetic oxide interlayer. AIP Advances, 2018, 8, 056306.	0.6	2

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145	Microstructure Analysis on Size Distribution During Film Growth in HAMR Media. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	2
146	TDMR With Machine Learning Data Detection Channel. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	2
147	Impact of write equalization on high-density particulate recording systems. IEEE Transactions on Magnetics, 2000, 36, 2091-2097.	1.2	1
148	Side-reading free spin-valve read sensor. IEEE Transactions on Magnetics, 2003, 39, 576-578.	1.2	1
149	Measurement of high data rate performance in perpendicular magnetic recording. Journal of Applied Physics, 2009, 105, 07B735.	1.1	1
150	Extendibility of traditional perpendicular magnetic recording for hard disk drives. Journal of Applied Physics, 2011, 109, 07B774.	1.1	1
151	Micromagnetics of FePt-L10 Media With Thermally Insulating Magnetic Grain Boundaries. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	1
152	A study on the effects of temperature and substrate structure on the templated two-phase film growth via a hybrid model. Journal of Applied Physics, 2018, 123, .	1.1	1
153	Conductive Nanoporous Membranes: Self-Assembling Block Copolymers for Smart Drug Delivery. , 2014, , 1-6.		1
154	Effect of crystalline microstructure in patterned Co and Permalloy/Co film elements. IEEE Transactions on Magnetics, 2000, 36, 2623-2625.	1.2	0
155	Micromagnetics of narrow track width single pole write heads. , 0, , .		0
156	Voltage Assisted Perpendicular Write Head. IEEE Transactions on Magnetics, 2004, 40, 2344-2346.	1.2	0
157	Inverse magnetoresistance in magnetic tunnel junction with an Fe/sub 3/O/sub 4/ electrode. , 2005, , .		0
158	Dual Easy Axes Effect on Nanosized Near-Spherical Particles for Advanced Tape Storage. IEEE Transactions on Magnetics, 2008, 44, 3557-3560.	1.2	0
159	CoCrPtâ€“SiO2 granular-type longitudinal media on Ru underlayer for sputtered tape applications. Journal of Applied Physics, 2008, 103, 07F545.	1.1	0
160	Precise Measurement of the Transition Curvature in Magnetic Recording. IEEE Transactions on Magnetics, 2011, 47, 2977-2980.	1.2	0
161	Impact of straightened thermal profiles generated by gapped near field transducers on HAMR SNR. AIP Advances, 2020, 10, 015326.	0.6	0