James A Bain

List of Publications by Year in Descending Order

161 papers	2,319 citations	26 h-index	39 g-index
168 ext. papers	2,602 ext. citations	3.2 avg, IF	4.77 L-index

#	Paper	IF	Citations
161	Simulation of a Thermally Efficient Heat-Assisted Magnetic Recording Ridge Waveguide NFT on an AlN Heat Sink. *IEEE Transactions on Magnetics*, **2021**, 1-1	2	
160	Electrical and Thermal Dynamics of Self-Oscillations in TaOx-Based Threshold Switching Devices. *ACS Applied Electronic Materials*, **2020**, 2, 683-691	4	5
159	Impact of straightened thermal profiles generated by gapped near field transducers on HAMR SNR. *AIP Advances*, **2020**, 10, 015326	1.5	
158	Extraction of Elastooptic Coefficient of Thin-Film Arsenic Trisulfide Using a Mach-Zehnder Acoustooptic Modulator on Lithium Niobate. *Journal of Lightwave Technology*, **2020**, 38, 2053-2059	4	4
157	Temperature overshoot as the cause of physical changes in resistive switching devices during electro-formation. *Journal of Applied Physics*, **2020**, 127, 235107	2.5	7
156	Evolution of the conductive filament with cycling in TaOx-based resistive switching devices. *Journal of Applied Physics*, **2020**, 128, 194501	2.5	4
155	Magnetically reconfigurable pixelated antenna. *Microwave and Optical Technology Letters*, **2019**, 61, 2348-2353	1.2	3
154	Stable Metallic Enrichment in Conductive Filaments in TaOx-Based Resistive Switches Arising from Competing Diffusive Fluxes. *Advanced Electronic Materials*, **2019**, 5, 1800954	6.4	22
153	Thermal-gradient-driven elemental segregation in Ge2Sb2Te5 phase change memory cells. *Applied Physics Letters*, **2019**, 114, 163507	3.4	9
152	Spontaneous current constriction in threshold switching devices. *Nature Communications*, **2019**, 10, 1628	17.4	33
151	Acousto-Optic Gyroscope with Improved Sensitivity and 100 second Stability in a Small Form Factor **2019**,		1
150	Acousto-optical modulation of thin film lithium niobate waveguide devices. *Photonics Research*, **2019**, 7, 1003	6	32
149	Switching dynamics of TaOx-based threshold switching devices. *Journal of Applied Physics*, **2018**, 123, 115105	2.5	18
148	Nanoscale thermal transport aspects of heat-assisted magnetic recording devices and materials. *MRS Bulletin*, **2018**, 43, 112-118	3.2	7
147	Experimental Demonstration of AlN Heat Spreaders for the Monolithic Integration of Inline Phase-Change Switches. *IEEE Electron Device Letters*, **2018**, 39, 610-613	4.4	7
146	A Split-Pole-Gapped NFT Write Head Design for Transition Curvature Reduction in Heat-Assisted Magnetic Recording. *IEEE Transactions on Magnetics*, **2018**, 54, 1-4	2	3
145	Formation of the Conducting Filament in TaO -Resistive Switching Devices by Thermal-Gradient-Induced Cation Accumulation. *ACS Applied Materials & Interfaces*, **2018**, 10, 23187-23197	9.5	21

144	Electro-Thermal Model of Threshold Switching in TaO-Based Devices. *ACS Applied Materials & Interfaces*, **2017**, 9, 11704-11710	9.5	28
143	Scaling behavior of oxide-based electrothermal threshold switching devices. *Nanoscale*, **2017**, 9, 14139-14148	7.7	18
142	ON-state evolution in lateral and vertical VO threshold switching devices. *Nanotechnology*, **2017**, 28, 405201	3.4	9
141	A Reconfigurable Dual-Frequency Narrowband CMOS LNA Using Phase-Change RF Switches. *IEEE Transactions on Microwave Theory and Techniques*, **2017**, 65, 4689-4702	4.1	15
140	Origin and Optimization of RF Power Handling Limitations in Inline Phase-Change Switches. *IEEE Transactions on Electron Devices*, **2017**, 64, 3934-3942	2.9	10
139	Design Criteria in Sizing Phase-Change RF Switches. *IEEE Transactions on Microwave Theory and Techniques*, **2017**, 65, 4531-4540	4.1	9
138	Enhancement of Thermal Conductance at Metal-Dielectric Interfaces Using Subnanometer Metal Adhesion Layers. *Physical Review Applied*, **2016**, 5,	4.3	34
137	AlN Barriers for Capacitance Reduction in Phase-Change RF Switches. *IEEE Electron Device Letters*, **2016**, 37, 568-571	4.4	7
136	Transient Thermometry and High-Resolution Transmission Electron Microscopy Analysis of Filamentary Resistive Switches. *ACS Applied Materials & Interfaces*, **2016**, 8, 20176-84	9.5	27
135	Low temperature electroformation of TaOx-based resistive switching devices. *APL Materials*, **2016**, 4, 016101	5.7	8
134	Transient thermometry and HRTEM analysis of RRAM thermal dynamics during switching and failure **2016**,		1
133	Locally Rewritable Codes for Resistive Memories. *IEEE Journal on Selected Areas in Communications*, **2016**, 34, 2470-2485	14.2	4
132	In situ TEM imaging of defect dynamics under electrical bias in resistive switching rutile-TiO *Microscopy and Microanalysis*, **2015**, 21, 140-53	0.5	33
131	Oxygen Vacancy Creation, Drift, and Aggregation in TiO2-Based Resistive Switches at Low Temperature and Voltage. *Advanced Functional Materials*, **2015**, 25, 2876-2883	15.6	72
130	Thermometry of Filamentary RRAM Devices. *IEEE Transactions on Electron Devices*, **2015**, 62, 2972-2977	2.9	27
129	. *IEEE Transactions on Electron Devices*, **2015**, 62, 3857-3862	2.9	17
128	**2015**,		1
127	Dynamics of electroforming in binary metal oxide-based resistive switching memory. *Journal of Applied Physics*, **2015**, 118, 114903	2.5	18

126	A 3/5 GHz reconfigurable CMOS low-noise amplifier integrated with a four-terminal phase-change RF switch **2015**,		9
125	. *IEEE Journal on Exploratory Solid-State Computational Devices and Circuits*, **2015**, 1, 58-66	2.4	40
124	High-speed in-situ pulsed thermometry in oxide RRAMs **2014**,		8
123	In situ biasing TEM investigation of resistive switching events in TiO2-based RRAM **2014**,		4
122	Investigation of tip current and normal force measured simultaneously during local oxidation of titanium using dual-mode scanning probe microscopy. *Micro and Nano Letters*, **2014**, 9, 332-336	0.9	1
121	12.5 THz Fco GeTe Inline Phase-Change Switch Technology for Reconfigurable RF and Switching Applications **2014**,		22
120	Electronic Instabilities Leading to Electroformation of Binary Metal Oxide-based Resistive Switches. *Advanced Functional Materials*, **2014**, 24, 5522-5529	15.6	59
119	Mechanism of localized electrical conduction at the onset of electroforming in TiO2 based resistive switching devices. *Applied Physics Letters*, **2014**, 104, 113510	3.4	19
118	Magnetoresistance in granular films formed by CoFe and phase change material. *Applied Physics A: Materials Science and Processing*, **2013**, 113, 221-229	2.6	5
117	Modeling of Polarization Effects in Au Nanodots Excited With InAs Quantum Dot Emitters for Use as a HAMR Heat Source. *IEEE Transactions on Magnetics*, **2013**, 49, 3560-3563	2	5
116	A Process for Transferring and Patterning InAs Quantum Dot Optical Gain Media for HAMR Near Field Optical Sources. *IEEE Transactions on Magnetics*, **2013**, 49, 3564-3567	2	1
115	Comparison of electric field dependent activation energy for electroformation in TaOx and TiOx based RRAMs **2013**,		1
114	A Phase-Change Via-Reconfigurable CMOS LC VCO. *IEEE Transactions on Electron Devices*, **2013**, 60, 3979-3988	2.9	18
113	Pattern transfer with stabilized nanoparticle etch masks. *Nanotechnology*, **2013**, 24, 085303	3.4	2
112	Transient characterization of the electroforming process in TiO2 based resistive switching devices. *Applied Physics Letters*, **2013**, 102, 023507	3.4	23
111	Impact of Joule heating on the microstructure of nanoscale TiO2 resistive switching devices. *Journal of Applied Physics*, **2013**, 113, 163703	2.5	24
110	Susceptibility of magnetic information storage to power frequency magnetic fields. *IEEE Electromagnetic Compatibility Magazine*, **2013**, 2, 59-67	0.4	
109	Experimental estimates of in-plane thermal conductivity in FePt-C granular thin film heat assisted magnetic recording media using a model layered system. *Applied Physics Letters*, **2013**, 103, 131907	3.4	12

108	Dislocation impact on resistive switching in single-crystal SrTiO3. *Journal of Applied Physics*, **2013**, 113, 234510	2.5	21
107	Compositionally matched nitrogen-doped Ge2Sb2Te5/Ge2Sb2Te5 superlattice-like structures for phase change random access memory. *Applied Physics Letters*, **2013**, 103, 133507	3.4	8
106	Elimination of high transient currents and electrode damage during electroformation of TiO2-based resistive switching devices. *Journal Physics D: Applied Physics*, **2012**, 45, 395101	3	17
105	Extendibility of traditional perpendicular magnetic recording for hard disk drives. *Journal of Applied Physics*, **2011**, 109, 07B774	2.5	1
104	The influence of media optical properties on the efficiency of optical power delivery for heat assisted magnetic recording. *Journal of Applied Physics*, **2011**, 109, 07B775	2.5	11
103	Evanescent Coupling Between Dielectric and Plasmonic Waveguides for HAMR Applications. *IEEE Transactions on Magnetics*, **2011**, 47, 2364-2367	2	15
102	Fabrication and Recording of Bit Patterned Media Prepared by Rotary Stage Electron Beam Lithography. *IEEE Transactions on Magnetics*, **2011**, 47, 2656-2659	2	3
101	Computational investigations into the operating window for memristive devices based on homogeneous ionic motion. *Applied Physics A: Materials Science and Processing*, **2011**, 102, 877-883	2.6	46
100	Thermographic analysis of localized conductive channels in bipolar resistive switching devices. *Journal Physics D: Applied Physics*, **2011**, 44, 185103	3	11
99	Band alignment between GeTe and SiO2/metals for characterization of junctions in nonvolatile resistance change elements. *Applied Physics Letters*, **2011**, 98, 232104	3.4	12
98	Low resistance, high dynamic range reconfigurable phase change switch for radio frequency applications. *Applied Physics Letters*, **2010**, 97, 183506	3.4	32
97	Simultaneous PES Generation, Timing Recovery, and Multi-Track Read on Patterned Media: Concept and Performance. *IEEE Transactions on Magnetics*, **2010**, 46, 825-829	2	1
96	Three-Terminal Probe Reconfigurable Phase-Change Material Switches. *IEEE Transactions on Electron Devices*, **2010**, 57, 312-320	2.9	34
95	HAMR Adjacent Track Stability in the Presence of a Medium Curie Temperature Distribution. *IEEE Transactions on Magnetics*, **2010**, 46, 2462-2465	2	
94	Investigating Pattern Transfer in the Small-Gap Regime Using Electron-Beam Stabilized Nanoparticle Array Etch Masks. *IEEE Transactions on Magnetics*, **2010**, 46, 2307-2310	2	15
93	Characterization of Conducting Atomic Force Microscopy for Use With Magnetic Tunnel Junctions. *IEEE Transactions on Magnetics*, **2010**, 46, 1741-1744	2	2
92	Enhancing CMOS Using Nanoelectronic Devices: A Perspective on Hybrid Integrated Systems. *Proceedings of the IEEE*, **2010**, 98, 2061-2075	14.3	2
91	Spin transfer torque switching of magnetic tunnel junctions using a conductive atomic force microscope. *Applied Physics Letters*, **2009**, 95, 132510	3.4	15

90	A Method for Simultaneous Position and Timing Error Detection for Bit-Patterned Media. *IEEE Transactions on Magnetics*, **2009**, 45, 3749-3752	2	3
89	Application of Image Processing to Characterize Patterning Noise in Self-Assembled Nano-Masks for Bit-Patterned Media. *IEEE Transactions on Magnetics*, **2009**, 45, 3523-3526	2	41
88	Magnetic Decay at Elevated Temperature Relevant to Heat-Assisted Magnetic Recording. *IEEE Transactions on Magnetics*, **2009**, 45, 883-888	2	3
87	Self-assembled nanoparticle arrays as nanomasks for pattern transfer. *Journal Physics D: Applied Physics*, **2008**, 41, 134001	3	8
86	Two-Dimensional Pulse Response and Media Noise Modeling for Bit-Patterned Media. *IEEE Transactions on Magnetics*, **2008**, 44, 3789-3792	2	39
85	Aberration Corrected Lorentz Microscopy for Perpendicular Magnetic Recording Media. *Microscopy and Microanalysis*, **2008**, 14, 832-833	0.5	5
84	Effects of High Current Density at Nanoscale Point Contacts **2008**,		2
83	Electrode influence on the transport through SrRuO3□r-doped SrZrO3/metal junctions. *Applied Physics Letters*, **2007**, 90, 202107	3.4	23
82	The role of MFM signal in mark size measurement in probe-based magnetic recording on CoNi/Pt multilayers. *Physica B: Condensed Matter*, **2007**, 387, 328-332	2.8	7
81	Co Alloy- ${hbox{SiO}}_{2}$ Granular-Type Longitudinal Media for Sputtered Tape Applications. *IEEE Transactions on Magnetics*, **2007**, 43, 3497-3501	2	3
80	Use of bias sputtering to enhance decoupling in oxide composite perpendicular recording media. *Applied Physics Letters*, **2007**, 90, 252511	3.4	11
79	Optical Feedback Height Control System Using Laser Diode Sensor for Near-Field Data Storage Applications. *Journal of Lightwave Technology*, **2007**, 25, 3704-3709	4	0
78	A model of heat transfer in STM-based magnetic recording on CoNi/Pt multilayers. *Physica B: Condensed Matter*, **2006**, 381, 204-208	2.8	4
77	Characterization of heat-assisted magnetic probe recording on CoNi/Pt multilayers. *Journal of Magnetism and Magnetic Materials*, **2006**, 305, 16-23	2.8	29
76	Heat-assisted magnetic probe recording on a granular CoNi/Pt multilayered film. *Journal Physics D: Applied Physics*, **2006**, 39, 2485-2487	3	2
75	Laser Diode Active Height Control for Near Field Optical Storage. *Japanese Journal of Applied Physics*, **2006**, 45, 1193-1196	1.4	3
74	The effect of external magnetic field on mark size in heat-assisted probe recording on CoNi□t multilayers. *Journal of Applied Physics*, **2006**, 99, 023902	2.5	8
73	Dynamic domain motion of thermal-magnetically formed marks on CoNi□t multilayers. *Journal of Applied Physics*, **2006**, 100, 053901	2.5	16

72	High frequency susceptibility of closure domain structures calculated using micromagnetic modeling. *Journal of Applied Physics*, **2006**, 99, 08B708	2.5	9
71	Thermal limits on field alignment of nanoparticle FePt media. *Applied Physics Letters*, **2006**, 88, 242508	3.4	9
70	Effects of substrate bias on CoCrPt-SiO2 magnetic recording media. *Journal of Applied Physics*, **2006**, 99, 08G910	2.5	11
69	The effect of stress-induced anisotropy in patterned FeCo thin-film structures. *Journal of Applied Physics*, **2006**, 99, 08B706	2.5	9
68	Field localization in very small aperture lasers studied by apertureless near-field microscopy. *Applied Optics*, **2006**, 45, 6192-7	1.7	9
67	Thin-film recording media on flexible substrates for tape applications. *IEEE Transactions on Magnetics*, **2005**, 41, 654-659	2	9
66	Effects of polymeric substrate roughness on head-medium spacing and recording properties of sputtered magnetic tape. *IEEE Transactions on Magnetics*, **2005**, 41, 2529-2533	2	3
65	Magnetically defined domain isolation for studies of nucleation and growth coercivities. *IEEE Transactions on Magnetics*, **2005**, 41, 3763-3765	2	4
64	Detailed modeling of temperature rise in giant magnetoresistive sensor during an electrostatic discharge event. *Journal of Applied Physics*, **2004**, 95, 6780-6782	2.5	9
63	Measurement of Ga implantation profiles in the sidewall and bottom of focused-ion-beam-etched structures. *Applied Physics Letters*, **2004**, 84, 3331-3333	3.4	25
62	Characterization of very small aperture GaN lasers **2004**,		8
61	Thermal Williams-Comstock model for predicting transition lengths in a heat-assisted magnetic recording system. *IEEE Transactions on Magnetics*, **2004**, 40, 137-147	2	31
60	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	2	23
59	Analysis of transition shape and adjacent track aging for 1 Tb/in/sup 2/ write head designs. *IEEE Transactions on Magnetics*, **2004**, 40, 2576-2578	2	6
58	The application of sputtered thin film in advanced recording tape media. *IEEE Transactions on Magnetics*, **2004**, 40, 2404-2406	2	6
57	Micromagnetic simulation of effect of stress-induced anisotropy in soft magnetic thin films. *Journal of Applied Physics*, **2004**, 95, 6864-6866	2.5	13
56	MAMMOS read-only memory **2004**, 5380, 163		2
55	Characterization of refraction at a waveguide step for fabrication of mode index lenses **2004**, 5380, 697		

54	Prototype mode index lens for heat-assisted magnetic recording **2004**,		2
53	The Role of STM Tip Shape in Heat Assisted Magnetic Probe Recording on CONI/PT Film **2004**,		2
52	A study of near-field aperture geometry effects on very small aperture lasers (VSAL) **2003**,		2
51	Use of room-temperature bias sputtering to decrease intergranular coupling in magnetic media deposited on polymeric substrates. *IEEE Transactions on Magnetics*, **2003**, 39, 3616-3618	2	6
50	Imaging of optical field confinement in ridge waveguides fabricated on very-small-aperture laser. *Applied Physics Letters*, **2003**, 83, 3245-3247	3.4	58
49	Ridge waveguide as a near-field optical source. *Applied Physics Letters*, **2003**, 83, 4474-4476	3.4	40
48	Effects of focused-ion-beam irradiation on perpendicular write head performance. *Journal of Applied Physics*, **2003**, 93, 6459-6461	2.5	5
47	Recording properties of CoCrPt tape media sputter-deposited at room temperature on polymeric substrates. *Journal of Applied Physics*, **2003**, 93, 7783-7785	2.5	5
46	Improvement of preferred orientation of NiAl/CrMn underlayers deposited on prebaked tape substrates. *Journal of Applied Physics*, **2002**, 91, 8736	2.5	1
45	Control of stress and plasma-induced heating during dc magnetron sputtering of permalloy films for microelectromechanical systems. *Journal of Applied Physics*, **2002**, 91, 6824	2.5	7
44	Surface nitrogen concentration dependence of the nitrogen incorporation in reactively sputtered FeXN films. *Journal of Applied Physics*, **2002**, 91, 6827	2.5	2
43	Mark shapes in hybrid recording. *Applied Physics Letters*, **2002**, 80, 1835-1837	3.4	4
42	Separation of contributions to spin valve interlayer exchange coupling field by temperature dependent coupling field measurements. *Journal of Applied Physics*, **2002**, 91, 7113	2.5	23
41	Imaging of quantized magnetostatic modes using spatially resolved ferromagnetic resonance. *Journal of Applied Physics*, **2002**, 91, 8034	2.5	66
40	Controlling the magnetic properties of CoCrPt thin films by means of thin hexagonal-close-packed intermediate layers. *Journal of Applied Physics*, **2002**, 91, 7065	2.5	10
39	High frequency dynamics of the soft underlayer in perpendicular recording system. *Journal of Applied Physics*, **2002**, 91, 8052	2.5	9
38	Focused-ion-beam induced grain growth in magnetic materials for recording heads. *Journal of Applied Physics*, **2002**, 91, 6830	2.5	18
37	Dependence of thermomagnetic mark size on applied STM voltage in Co-Pt multilayers. *IEEE Transactions on Magnetics*, **2002**, 38, 1895-1897	2	17

36	Fabrication of nanomagnetic probes via focused ion beam etching and deposition. *Nanotechnology*, **2002**, 13, 619-622	3.4	15
35	Experimenatal test bed for hybrid recording **2002**, 4342, 502		4
34	Dynamic Kerr imaging of soft underlayers for perpendicular recording applications (invited). *Journal of Applied Physics*, **2002**, 91, 8665	2.5	5
33	Influence of stress and texture on soft magnetic properties of thin films. *IEEE Transactions on Magnetics*, **2002**, 38, 3501-3520	2	99
32	Magnetization reduction due to oxygen contamination of bias sputtered Fe/sub 35/Co/sub 65/ thin films. *IEEE Transactions on Magnetics*, **2002**, 38, 3030-3032	2	11
31	Local degradation of magnetic properties in magnetic thin films irradiated by Ga/sup +/ focused-ion-beams. *IEEE Transactions on Magnetics*, **2002**, 38, 2237-2239	2	12
30	The role of the gap in single pole heads in perpendicular recording. *IEEE Transactions on Magnetics*, **2002**, 38, 1658-1663	2	4
29	Effect of stress on stripe domain onset in sputtered FeAlN and CoFe films. *Journal of Applied Physics*, **2002**, 91, 7830	2.5	14
28	Recording layer influence on the dynamics of a soft underlayer. *IEEE Transactions on Magnetics*, **2002**, 38, 1994-1996	2	17
27	An undergraduate laboratory in magnetic recording fundamentals. *IEEE Transactions on Education*, **2001**, 44, 224-231	2.1	4
26	Real-time observation of sub-nanosecond magnetic switching in perpendicular multilayers. *Journal of Magnetism and Magnetic Materials*, **2001**, 235, 138-142	2.8	5
25	High coercivity Co-alloy thin films on polymer substrates. *IEEE Transactions on Magnetics*, **2001**, 37, 1640-1642		6
24	Dynamics of perpendicular recording heads. *IEEE Transactions on Magnetics*, **2001**, 37, 1376-1378	2	6
23	Sub-nanosecond non-Arrhenius magnetic switching in perpendicular multilayers. *IEEE Transactions on Magnetics*, **2001**, 37, 1570-1572	2	7
22	Dropout-tolerant read channels. *IEEE Journal on Selected Areas in Communications*, **2001**, 19, 744-755	14.2	5
21	Kerr imaging of a thin film magnetic transducer to measure thin film head fields. *IEEE Transactions on Magnetics*, **2001**, 37, 2761-2763	2	6
20	Micromagnetic simulation of an ultrasmall single-pole perpendicular write head. *Journal of Applied Physics*, **2000**, 87, 6636-6638	2.5	17
19	Analysis of dropout peakshift in magnetic tape recording. *IEEE Transactions on Magnetics*, **2000**, 36, 2170-2172		4

18	Residual stress optimization in FeAlN pole materials. *IEEE Transactions on Magnetics*, **2000**, 36, 2536-2538	2	9
17	Single-chip computers with microelectromechanical systems-based magnetic memory (invited). *Journal of Applied Physics*, **2000**, 87, 6680-6685	2.5	78
16	Limitations to track following imposed by position error signal SNR using a multi-tapped magnetoresistive servo head. *IEEE Transactions on Magnetics*, **1999**, 35, 740-745	2	3
15	MFM quantification of magnetic fields generated by ultra-small single pole perpendicular heads. *IEEE Transactions on Magnetics*, **1998**, 34, 2030-2032	2	21
14	High frequency initial permeability of NiFe and FeAlN. *IEEE Transactions on Magnetics*, **1998**, 34, 1438-1440	2	50
13	Multi-tapped magnetoresistive heads for magnetic tape tracking servo. *IEEE Transactions on Magnetics*, **1998**, 34, 1904-1906	2	3
12	A reactive ion milling process for patterning narrow track iron nitride recording head poles at the wafer level. *IEEE Transactions on Magnetics*, **1997**, 33, 2830-2832	2	3
11	Considerations in the design of probe heads for 100 Gbit/in/sup 2/ recording density. *IEEE Transactions on Magnetics*, **1997**, 33, 2893-2895	2	39
10	Thin film tape recording heads with high moment FeAlN poles. *IEEE Transactions on Magnetics*, **1996**, 32, 166-171	2	16
9	The effect of nitrogen partitioning on the magnetic properties of FeAlN films. *IEEE Transactions on Magnetics*, **1996**, 32, 4541-4543	2	13
8	The effect of surface topography on the soft magnetic properties of FeAlN films. *IEEE Transactions on Magnetics*, **1995**, 31, 2700-2702	2	13
7	The effect of substrate temperature on the magnetic properties of FeAlN thin films for recording heads. *IEEE Transactions on Magnetics*, **1995**, 31, 2703-2705	2	15
6	X-ray analysis of compositional modulation in Co/Pt multilayer films for magneto-optic recording. *Journal of Applied Physics*, **1993**, 74, 996-1000	2.5	4
5	Crystallographic anisotropy in thin film magnetic recording media analyzed with x-ray diffraction. *Journal of Applied Physics*, **1993**, 73, 7591-7598	2.5	37
4	. *IEEE Transactions on Magnetics*, **1993**, 29, 300-306	2	18
3	In-Situ Observation of The Initial Stages of Co (0001) Epitaxy on Pt (111) Using Grazing Incidence X-Ray Diffraction. *Materials Research Society Symposia Proceedings*, **1993**, 312, 291		2
2	Structural Characterization of Pt/Co Multilayers for Magnetooptic Recording Using X-Ray Diffraction. *Materials Research Society Symposia Proceedings*, **1993**, 313, 799		2
1	Elastic strains and coherency stresses in Mo/Ni multilayers. *Physical Review B*, **1991**, 44, 1184-1192	3.3	67