

Seidikkurippu N Piramanayagam

List of Publications by Year in descending order

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216
papers

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236925

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229
all docs

229
docs citations

229
times ranked

3684
citing authors

#	ARTICLE	IF	CITATIONS
1	Spintronics based random access memory: a review. <i>Materials Today</i> , 2017, 20, 530-548.	14.2	689
2	Perpendicular recording media for hard disk drives. <i>Journal of Applied Physics</i> , 2007, 102, .	2.5	396
3	Materials with perpendicular magnetic anisotropy for magnetic random access memory. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011, 5, 413-419.	2.4	208
4	Magnetoresistive Sensor Development Roadmap (Non-Recording Applications). <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-30.	2.1	138
5	Recording media research for future hard disk drives. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 485-494.	2.3	129
6	Electric Field-Induced Creation and Directional Motion of Domain Walls and Skyrmion Bubbles. <i>Nano Letters</i> , 2019, 19, 353-361.	9.1	97
7	Micromagnetic study of spin wave propagation in bicomponent magnonic crystal waveguides. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	87
8	Influence of dual-Ru intermediate layers on magnetic properties and recording performance of CoCrPt/SiO ₂ perpendicular recording media. <i>Applied Physics Letters</i> , 2005, 87, 222503.	3.3	75
9	Domain wall memory: Physics, materials, and devices. <i>Physics Reports</i> , 2022, 958, 1-35.	25.6	56
10	Patterned Media Towards Nano-bit Magnetic Recording: Fabrication and Challenges. <i>Recent Patents on Nanotechnology</i> , 2007, 1, 29-40.	1.3	55
11	Substitution of Al in the AlPO ₄ -5 and AlPO ₄ -11 frameworks by Si and Fe: a study by Mössbauer, magic-angle-spinning nuclear magnetic resonance and electron paramagnetic resonance spectroscopies and chemical probes. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992, 88, 3255-3261.	1.7	49
12	Enhancement of spin-wave nonreciprocity in magnonic crystals via synthetic antiferromagnetic coupling. <i>Scientific Reports</i> , 2015, 5, 10153.	3.3	47
13	Magnetic and transport properties of Co-doped Fe ₃ O ₄ films. <i>Journal of Applied Physics</i> , 2007, 101, 013904.	2.5	46
14	Spin transfer torque switching for multi-bit per cell magnetic memory with perpendicular anisotropy. <i>Applied Physics Letters</i> , 2011, 99, 092506.	3.3	46
15	Recent Developments in Spin Transfer Torque MRAM. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700163.	2.4	45
16	Grain size reduction in CoCrPt/SiO ₂ perpendicular recording media with oxide-based intermediate layers. <i>Applied Physics Letters</i> , 2006, 89, 162504.	3.3	44
17	Staggered Magnetic Nanowire Devices for Effective Domain-Wall Pinning in Racetrack Memory. <i>Physical Review Applied</i> , 2019, 11, .	3.8	44
18	Effect of magnetostatic energy on domain structure and magnetization reversal in (Co/Pd) multilayers. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	42

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19	Lubrication for Heat-Assisted Magnetic Recording Media. IEEE Transactions on Magnetism, 2006, 42, 2546-2548.	2.1	32
20	Antiferromagnetically coupled patterned media. Journal of Applied Physics, 2009, 105, .	2.5	31
21	Patterned media with composite structure for writability at high areal recording density. Journal of Applied Physics, 2009, 105, .	2.5	29
22	La ²⁺ Zn substituted hexagonal Sr ferrite thin films for high density magnetic recording. Journal of Applied Physics, 2000, 87, 2503-2506.	2.5	28
23	Effect of film texture on magnetization reversal and switching field in continuous and patterned (Co/Pd) multilayers. Journal of Applied Physics, 2009, 106, 023906.	2.5	28
24	Multi-level domain wall memory in constricted magnetic nanowires. Applied Physics A: Materials Science and Processing, 2014, 114, 1347-1351.	2.3	28
25	Nanoscale Compositional Modification in Co/Pd Multilayers for Controllable Domain Wall Pinning in Racetrack Memory. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800197.	2.4	28
26	Tuning magnetic properties for domain wall pinning via localized metal diffusion. Scientific Reports, 2017, 7, 16208.	3.3	26
27	Emulation of Synaptic Plasticity on a Cobalt-Based Synaptic Transistor for Neuromorphic Computing. ACS Applied Materials & Interfaces, 2022, 14, 11864-11872.	8.0	26
28	Thickness dependence of magnetic properties of NdFeB thin films with perpendicular magnetic anisotropy. Journal of Magnetism and Magnetic Materials, 2000, 212, 12-16.	2.3	25
29	FePt and Fe nanocomposite by annealing self-assembled FePt nanoparticles. Journal of Applied Physics, 2004, 95, 6735-6737.	2.5	25
30	Antiferromagnetically Coupled Patterned Media and Control of Switching Field Distribution. IEEE Transactions on Magnetism, 2010, 46, 1787-1790.	2.1	25
31	Lateral displacement induced disorder in L10-FePt nanostructures by ion-implantation. Scientific Reports, 2013, 3, 1907.	3.3	25
32	Perpendicular magnetic anisotropy in NdFeB thin films. Journal of Applied Physics, 1999, 85, 5898-5900.	2.5	24
33	Magnetic properties and switching field control of antiferromagnetically coupled recording media. IEEE Transactions on Magnetism, 2001, 37, 1438-1440.	2.1	24
34	Palladium-based intermediate layers for CoCrPt/SiO ₂ perpendicular recording media. Applied Physics Letters, 2006, 88, 092506.	3.3	24
35	Stacked CoCrPt/SiO ₂ /sub 2/ Layers for perpendicular recording media. IEEE Transactions on Magnetism, 2005, 41, 3190-3192.	2.1	23
36	Sub-6-nm grain size control in polycrystalline thin films using synthetic nucleation layer. Applied Physics Letters, 2007, 91, 142508.	3.3	23

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37	Role of thermal energy on the magnetic properties of laminated antiferromagnetically coupled recording media. Journal of Applied Physics, 2001, 90, 3442-3449.	2.5	22
38	Anti-ferromagnetic coupling effects on energy barrier and reversal properties of recording media. IEEE Transactions on Magnetics, 2001, 37, 1445-1448.	2.1	22
39	Advanced perpendicular recording media structure with a magnetic intermediate layer. Applied Physics Letters, 2006, 88, 092501.	3.3	21
40	Magnetization reorientation in antiferromagnetically coupled Co films and (Co/Pd) multilayers. Applied Physics Letters, 2009, 95, .	3.3	21
41	Equiatomic CoPt thin films with extremely high coercivity. Journal of Applied Physics, 2014, 115, .	2.5	21
42	Synaptic element for neuromorphic computing using a magnetic domain wall device with synthetic pinning sites. Journal Physics D: Applied Physics, 2019, 52, 445001.	2.8	21
43	Magnetic and Microstructural Properties of CoCrPt:Oxide Perpendicular Recording Media With Novel Intermediate Layers. IEEE Transactions on Magnetics, 2007, 43, 633-638.	2.1	20
44	Magnetic and structural properties of CoCrPt/SiO ₂ -based graded media prepared by ion implantation. Journal of Applied Physics, 2011, 110, 083917.	2.5	20
45	Band structures of exchange spin waves in one-dimensional bi-component magnonic crystals. Journal of Applied Physics, 2012, 111, 064326.	2.5	20
46	Path to achieve sub-10-nm half-pitch using electron beam lithography. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2011, 29, 011035.	1.2	19
47	Domain wall oscillation in magnetic nanowire with a geometrically confined region. Journal of Magnetism and Magnetic Materials, 2018, 456, 324-328.	2.3	19
48	Stress-Induced Domain Wall Motion in FeCo-Based Magnetic Microwires for Realization of Energy Harvesting. Advanced Electronic Materials, 2019, 5, 1800467.	5.1	19
49	Thermal stability and the magnetization process in CoCrPt/SiO ₂ perpendicular recording media. Journal of Magnetism and Magnetic Materials, 2008, 320, 3041-3045.	2.3	18
50	Controlled spin-torque driven domain wall motion using staggered magnetic wires. Applied Physics Letters, 2020, 116, .	3.3	18
51	Energy-Efficient All-Spin BNN Using Voltage-Controlled Spin-Orbit Torque Device for Digit Recognition. IEEE Transactions on Electron Devices, 2021, 68, 385-392.	3.0	18
52	Synthesis of Nd-Fe-B thin films with high coercive force by cosputtering. IEEE Transactions on Magnetics, 1997, 33, 3643-3645.	2.1	17
53	Magnetostatic interaction effects in switching field distribution of conventional and staggered bit-patterned media. Journal Physics D: Applied Physics, 2011, 44, 265005.	2.8	17
54	Ferromagnetic resonance measurements of (Co/Ni/Co/Pt) multilayers with perpendicular magnetic anisotropy. Journal Physics D: Applied Physics, 2016, 49, 425002.	2.8	16

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55	Domain Wall Motion Control for Racetrack Memory Applications. IEEE Transactions on Magnetics, 2019, 55, 1-8.	2.1	16
56	Synthesis and magnetic behavior of self-assembled Co nanorods and nanoballs. Journal of Applied Physics, 2004, 95, 6801-6803.	2.5	15
57	Novel approaches to high-density perpendicular recording media. Journal of Magnetism and Magnetic Materials, 2006, 303, 287-291.	2.3	15
58	Controlling the magnetization reversal mechanism in Co/Pd multilayers by underlayer processing. IEEE Transactions on Magnetics, 1997, 33, 3247-3249.	2.1	14
59	Studies on NdFeB thin films over a wide composition range. Journal of Alloys and Compounds, 1998, 281, 27-31.	5.5	14
60	Noise reduction mechanisms in laminated antiferromagnetically coupled recording media. Applied Physics Letters, 2001, 79, 2423-2425.	3.3	14
61	Advanced laminated antiferromagnetically coupled recording media with high thermal stability. Applied Physics Letters, 2002, 80, 616-618.	3.3	14
62	Textured growth of CoFe for soft underlayers in CoCrPt:SiO ₂ perpendicular magnetic recording media. Journal of Magnetism and Magnetic Materials, 2006, 303, e152-e155.	2.3	13
63	Enhanced resolution in magnetic force microscopy using tips with perpendicular magnetic anisotropy. Journal of Applied Physics, 2011, 109, .	2.5	13
64	Role of substrate bias on the magnetic properties and microstructure of CoCrPt:SiO ₂ perpendicular recording media. Journal of Applied Physics, 2007, 101, 103914.	2.5	12
65	Nanoimprint mold fabrication and duplication for embedded servo and discrete track recording media. Journal of Vacuum Science & Technology B, 2009, 27, 2259.	1.3	12
66	Ultra-small grain size control in longitudinal recording media for ultrahigh areal densities. Journal of Applied Physics, 2002, 91, 7685.	2.5	11
67	CoCrPt/SiO ₂ Perpendicular Recording Media With a Crystalline Soft Underlayer. IEEE Transactions on Magnetics, 2006, 42, 2369-2371.	2.1	11
68	Novel hybrid facing targets sputtered amorphous carbon overcoat for ultra-high density hard disk media. Diamond and Related Materials, 2007, 16, 379-387.	3.9	11
69	Effect of Different Seed Layers on Magnetic and Transport Properties of Perpendicular Anisotropic Spin Valves. IEEE Transactions on Magnetics, 2010, 46, 1933-1936.	2.1	11
70	Ion implantation induced modification of structural and magnetic properties of perpendicular media. Journal Physics D: Applied Physics, 2011, 44, 365001.	2.8	11
71	First-Order Reversal Curve Investigations on the Effects of Ion Implantation in Magnetic Media. IEEE Transactions on Magnetics, 2012, 48, 2753-2756.	2.1	11
72	Effect of Dzyaloshinskii-Moriya Interaction Energy Confinement on Current-Driven Dynamics of Skyrmions. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900090.	2.4	11

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73	Spin transfer torque induced domain wall oscillations in ferromagnetic nanowire with a nanoscale Dzyaloshinskii-Moriya interaction region. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 507, 166807.	2.3	11
74	Selective synthesis of light alkenes from carbon monoxide and hydrogen on silicalite supported iron-manganese catalysts. <i>Applied Catalysis A: General</i> , 1993, 107, 73-81.	4.3	10
75	Thermal energy consideration in micromagnetic simulation for laminated antiferromagnetically coupled recording media. <i>Applied Physics Letters</i> , 2001, 79, 1646-1648.	3.3	10
76	Effect of cobalt doping concentration on the structural and magnetic properties of Fe ₃ O ₄ . <i>Thin Solid Films</i> , 2006, 505, 45-49.	1.8	10
77	Microstructure and magnetic properties of CoCrPt/SiO ₂ perpendicular recording media with synthetic nucleation layers. <i>Journal of Applied Physics</i> , 2008, 103, 07F512.	2.5	10
78	Influence of magnetic viscosity on the first order reversal curves of antiferromagnetically coupled perpendicular recording media. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	10
79	Characterization of high-density bit-patterned media using ultra-high resolution magnetic force microscopy. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 141-143.	2.4	10
80	[Co/Ni] multilayers with robust post-annealing performance for spintronics device applications. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 465002.	2.8	10
81	Anomalous Hall effect measurements on capped bit-patterned media. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	9
82	Perspectives for 10 Terabits/in ² ; Magnetic Recording. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 2704-2709.	0.9	9
83	Tailoring the growth of L1 ₀ -FePt for spintronics applications. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011, 5, 426-428.	2.4	9
84	Noise Characterization of Perpendicular Recording Media by Cluster Size Measurements. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-6.	2.1	9
85	Broadband strip-line ferromagnetic resonance spectroscopy of soft magnetic CoFeTaZr patterned thin films. <i>AIP Advances</i> , 2018, 8, .	1.3	9
86	Influence of gas pressures on the magnetic properties and recording performance of CoCrPt perpendicular media. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 303, e145-e151.	2.3	8
87	Microstructure and switching mechanism of stacked CoCrPt/SiO ₂ perpendicular recording media. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 3036-3040.	2.3	8
88	Antiferromagnetic iridium manganese based intermediate layers for perpendicular magnetic recording media. <i>Applied Physics Letters</i> , 2008, 93, 072503.	3.3	8
89	Sub-50-nm track pitch mold using electron beam lithography for discrete track recording media. <i>Journal of Vacuum Science & Technology B</i> , 2008, 26, 1666.	1.3	8
90	Effect of Interrow Magnetic Coupling on Band Structures of 2-D Magnonic Crystal Waveguides. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 2689-2692.	2.1	8

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91	Microstructure investigations of hcp phase CoPt thin films with high coercivity. Journal of Applied Physics, 2014, 115, 083910.	2.5	8
92	Tilted magnetisation for domain wall pinning in racetrack memory. Journal of Magnetism and Magnetic Materials, 2019, 489, 165410.	2.3	8
93	Enhanced spin-orbit torque efficiency in Pt/Co/Ho heterostructures via inserting Ho layer. APL Materials, 2020, 8, .	5.1	8
94	Domain wall dynamics in (Co/Ni)n nanowire with anisotropy energy gradient for neuromorphic computing applications. Journal of Magnetism and Magnetic Materials, 2021, 537, 168131.	2.3	8
95	Magnetic and conversion electron Mössbauer spectroscopy studies in Fe/Ta multilayers. Journal of Applied Physics, 1993, 73, 6438-6440.	2.5	7
96	The change in the temperature coefficient of resistivity with Mn addition in Fe-rich and Co-rich amorphous alloys. Journal of Applied Physics, 1993, 73, 5595-5597.	2.5	7
97	Oriented strontium ferrite films sputtered onto Si(111). Journal of Magnetism and Magnetic Materials, 1995, 140-144, 723-724.	2.3	7
98	Mössbauer study of interface mixing in multilayers. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 555-556.	2.3	7
99	Corrosion performance of thin hydrogenated amorphous carbon films prepared by magnetron sputtering. Diamond and Related Materials, 2007, 16, 1716-1721.	3.9	7
100	Material and Layer Design to Overcome Writing Challenges in Bit-Patterned Media. IEEE Transactions on Magnetics, 2009, 45, 828-832.	2.1	7
101	Characterization of Coupled Novel Magnetic Multilayers With Anomalous Hall Effect. IEEE Transactions on Magnetics, 2010, 46, 2409-2412.	2.1	7
102	Micromagnetic studies on resolution limits of magnetic force microscopy tips with different magnetic anisotropy. Journal of Applied Physics, 2012, 111, .	2.5	7
103	Ion Implantation Challenges for Patterned Media at Areal Densities Over 5 Tbps. IEEE Transactions on Magnetics, 2014, 50, 41-46.	2.1	7
104	Temperature effect on exchange coupling and magnetization reversal in antiferromagnetically coupled (Co/Pd) multilayers. Journal of Applied Physics, 2015, 118, .	2.5	7
105	Modification of Structural and Magnetic Properties of Masked CoPt Films Induced by High-Energy Ion Implantation. IEEE Magnetics Letters, 2018, 9, 1-5.	1.1	7
106	Tailoring the structural and magnetic properties of masked CoPt thin films using ion implantation. AIP Advances, 2018, 8, .	1.3	7
107	Nanoscale modification of magnetic properties for effective domain wall pinning. Journal of Magnetism and Magnetic Materials, 2019, 475, 70-75.	2.3	7
108	Domain wall pinning through nanoscale interfacial Dzyaloshinskii-Moriya interaction. Journal of Applied Physics, 2021, 130, .	2.5	7

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109	A method to determine dynamic remnant coercivity over a larger time-scale. IEEE Transactions on Magnetism, 2001, 37, 1950-1952.	2.1	6
110	Thermal stability investigations on laminated antiferromagnetically coupled media. Journal of Applied Physics, 2002, 91, 8620.	2.5	6
111	High frequency switching in bit-patterned media: A method to overcome synchronization issue. Applied Physics Letters, 2008, 92, 012510.	3.3	6
112	Influence of synthetic nucleation layers on the microstructure, magnetic properties, and recording performance of CoCrPt/SiO ₂ perpendicular recording media. Journal of Applied Physics, 2008, 103, 093912.	2.5	6
113	Novel hybrid magnetic overcoats: A prospective solution for low magnetic spacing. Journal of Applied Physics, 2008, 103, 07F523.	2.5	6
114	Anomalous Hall effect measurement of novel magnetic multilayers. Journal of Applied Physics, 2009, 106, 093904.	2.5	6
115	Materials Optimization of the Magnonic Bandgap in Two-Dimensional Bi-Component Magnonic Crystal Waveguides. Nanoscience and Nanotechnology Letters, 2012, 4, 663-666.	0.4	6
116	Switching domain wall motion on and off using a gate voltage for domain wall transistor applications. Applied Physics Letters, 2018, 113, 232401.	3.3	6
117	Magnetic field and thermal reversal properties of exchange-bias recording films. IEEE Transactions on Magnetism, 2001, 37, 1500-1503.	2.1	5
118	Design of laminated antiferromagnetically coupled media for beyond 100 Gb/in ² areal density. Journal of Applied Physics, 2002, 91, 7694.	2.5	5
119	Nanocomposite magnetic films for high-density perpendicular magnetic recording media. Thin Solid Films, 2008, 516, 5381-5385.	1.8	5
120	CoCrPt-oxide based perpendicular recording media with hybrid soft magnetic underlayers. Journal of Applied Physics, 2008, 104, 103905.	2.5	5
121	Planarization of Patterned Recording Media. IEEE Transactions on Magnetism, 2010, 46, 758-763.	2.1	5
122	Magnetic interaction in perpendicular recording media with synthetic nucleation layers. Applied Physics Letters, 2011, 98, 152504.	3.3	5
123	Reverse Nanoimprint Lithography for Fabrication of Nanostructures. Nanoscience and Nanotechnology Letters, 2012, 4, 835-838.	0.4	5
124	Magnetic properties of antiferromagnetically coupled antidots of Co/Pd multilayers. Journal of Applied Physics, 2012, 111, 07B916.	2.5	5
125	Investigations of stacking fault density in perpendicular recording media. Journal of Applied Physics, 2014, 115, 243901.	2.5	5
126	High switching efficiency in FePt exchange coupled composite media mediated by MgO exchange control layers. Applied Physics Letters, 2017, 111, 042405.	3.3	5

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127	Exchange coupled CoPt/FePtC media for heat assisted magnetic recording. Applied Physics Letters, 2018, 112, 142411.	3.3	5
128	Nd-Fe-B films with perpendicular magnetic anisotropy and extremely large room temperature coercivity. Journal of Magnetism and Magnetic Materials, 2019, 474, 406-410.	2.3	5
129	New Development of Permanent Magnets Through Grain Boundary Diffusion and Nanostructuring. Nano, 2022, 17, .	1.0	5
130	The effect of Mn addition on hyperfine field parameters of a-Co-Fe-B-Si alloys. Solid State Communications, 1990, 76, 93-96.	1.9	4
131	Magnetization and thermal stability studies on laminated antiferromagnetically coupled (LAC) media. IEEE Transactions on Magnetics, 2003, 39, 657-662.	2.1	4
132	Magnetotransport properties of nano-constriction array in La _{0.67} Sr _{0.33} MnO ₃ film. European Physical Journal B, 2005, 48, 37-40.	1.5	4
133	Nano-scratch resistance study of nitrogenated amorphous carbon films prepared by unbalanced magnetron sputtering. Journal of Magnetism and Magnetic Materials, 2006, 303, e115-e119.	2.3	4
134	Lubrication for Heat Assisted Magnetic Recording Media. , 2006, , .		4
135	CoCrPt-SiO ₂ Perpendicular Recording Media with a Crystalline Soft Underlayer. , 2006, , .		4
136	Effect of seed layers on the textured growth of Pd/Ru intermediate layers for perpendicular recording media. Journal of Magnetism and Magnetic Materials, 2007, 312, 476-479.	2.3	4
137	Magnetic Properties and Corrosion Resistance Studies on Hybrid Magnetic Overcoats for Perpendicular Recording Media. IEEE Transactions on Magnetics, 2010, 46, 1069-1076.	2.1	4
138	Spin reorientation via antiferromagnetic coupling. Journal of Applied Physics, 2014, 115, 17C103.	2.5	4
139	High Amplitude Microwave Generation Using Domain Wall Motion in a Nanowire. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800479.	2.4	4
140	Magnetic domain structure and magnetization reversal in (Co/Ni) and (Co/Pd) multilayers. Journal of Magnetism and Magnetic Materials, 2020, 503, 166579.	2.3	4
141	Broad-energy oxygen ion implantation controlled magnetization dynamics in CoFeTaZr. Journal of Alloys and Compounds, 2021, 872, 159685.	5.5	4
142	Studies of Cosputtered NdFeB Thin Films. Journal of the Magnetics Society of Japan, 1997, 21, 417-420.	0.4	3
143	Investigations on annealed Ni ⁴⁺ P in Al ⁴⁺ Mg/Ni ⁴⁺ P substrates as soft underlayer for perpendicular recording media. Journal of Magnetism and Magnetic Materials, 2005, 287, 271-275.	2.3	3
144	Spin-transfer induced noise in nanoscale magnetoresistive sensors. Journal of Applied Physics, 2007, 101, 073911.	2.5	3

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145	High Writability Perpendicular Recording Media With Low Noise Crystalline Soft Underlayer. IEEE Transactions on Magnetics, 2007, 43, 873-875.	2.1	3
146	Enhanced heteroepitaxial growth of CoCrPt/SiO ₂ perpendicular magnetic recording media on optimized Ru intermediate layers. Journal of Applied Physics, 2008, 103, 023909.	2.5	3
147	Interactions in Nanoscale Arrays of Soft Magnetic Bi-Layers. IEEE Transactions on Magnetics, 2008, 44, 2722-2725.	2.1	3
148	Intermediate layer thickness dependence on switching field distribution in perpendicular recording media. Journal of Magnetism and Magnetic Materials, 2009, 321, 2682-2684.	2.3	3
149	Ion Beam Modification of Exchange Coupling to Fabricate Patterned Media. Journal of Nanoscience and Nanotechnology, 2011, 11, 2611-2614.	0.9	3
150	Variable angle magnetometry for exchange-coupled multilayers with in-plane and perpendicular anisotropy. Journal of Applied Physics, 2011, 110, 123905.	2.5	3
151	Magnetic properties of antidots in conventional and spin-reoriented antiferromagnetically coupled layers. Journal of Applied Physics, 2012, 111, 07B921.	2.5	3
152	Magnetic and First-Order Reversal Curve Investigations of Antiferromagnetically Coupled Nanostructures of Co/Pd Multilayers. IEEE Transactions on Magnetics, 2012, 48, 3410-3413.	2.1	3
153	Effect of different compositions of CoFeB spin polarizer on magnetoresistance and switching property of Co/Pd multilayers with perpendicular magnetic anisotropy. Journal of Applied Physics, 2012, 111, 07D306.	2.5	3
154	Writability Improvement in Perpendicular Recording Media Using Crystalline Soft Underlayer Materials. IEEE Transactions on Magnetics, 2013, 49, 758-764.	2.1	3
155	The effect of high deposition energy of carbon overcoats on perpendicular magnetic recording media. Applied Physics Letters, 2013, 103, .	3.3	3
156	Magnetic interactions in CoCrPt-oxide based perpendicular magnetic recording media. Journal of Applied Physics, 2014, 116, 163909.	2.5	3
157	Two-step temperature deposited FePt bilayer for tunable magnetic properties. Journal Physics D: Applied Physics, 2015, 48, 445007.	2.8	3
158	High temperature ferromagnetic resonance study on pMTJ stacks with diffusion barrier layers. Journal Physics D: Applied Physics, 2018, 51, 405001.	2.8	3
159	Ion-Implantation-Induced Disorder in FePt-C Thin Films. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	3
160	Dynamic orientation ratio in longitudinal recording media. Applied Physics Letters, 2003, 83, 1175-1177.	3.3	2
161	Exchange coupling effects in CoCrPt/SiO ₂ /FeCoTaCr composite media for perpendicular recording. Physica Scripta, 2007, T129, 140-143.	2.5	2
162	Evolution of Perpendicular Recording Media Grains on Carbon-Based Synthetic Nucleation Layer. IEEE Transactions on Magnetics, 2009, 45, 793-798.	2.1	2

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163	CoRuCr-oxide intermediate layers for perpendicular magnetic recording media. Journal of Applied Physics, 2009, 105, 07B717.	2.5	2
164	Optimizing tapeâ€™burnishing/wiping process of magnetic recording media through Taguchi method. Quality and Reliability Engineering International, 2009, 25, 345-354.	2.3	2
165	Effect of Short Annealing Times on the Magnetoelectronic Properties of Co/Pd-Based Pseudo-Spin-Valves. Journal of Nanoscience and Nanotechnology, 2011, 11, 2661-2664.	0.9	2
166	Ion-Implantation Studies on Perpendicular Media. Journal of Nanoscience and Nanotechnology, 2011, 11, 2619-2622.	0.9	2
167	Origin of anomalously high exchange field in antiferromagnetically coupled magnetic structures: Spin reorientation versus interface anisotropy. Journal of Applied Physics, 2011, 110, 093915.	2.5	2
168	Influence of Spin Polarizer on the Magnetoresistance, Switching Property, and Interlayer Interactions in Co/Pd Single Spin Valves. IEEE Transactions on Magnetics, 2012, 48, 3434-3437.	2.1	2
169	Optimization of perpendicular magnetic anisotropy tips for high resolution magnetic force microscopy by micromagnetic simulations. Applied Physics A: Materials Science and Processing, 2013, 112, 985-991.	2.3	2
170	Micromagnetic study of effect of tip-coating microstructure on the resolution of magnetic force microscopy. Applied Physics A: Materials Science and Processing, 2013, 110, 217-225.	2.3	2
171	High speed in spinâ€™torqueâ€™based magnetic memory using magnetic nanocontacts. Physica Status Solidi - Rapid Research Letters, 2013, 7, 332-335.	2.4	2
172	Investigations of Stacking Faults in Stacked Granular Perpendicular Recording Media With a High-Anisotropy CoPt Layer. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	2
173	Magnetic Properties and Magnetization Reversal of Thin Films and Nanodots Consisting of Exchange-Coupled Composite Co/Pd Multi-Layer and Co Layer With Orthogonal Anisotropies. IEEE Transactions on Magnetics, 2015, 51, 1-9.	2.1	2
174	Holographonics. Materials Today, 2016, 19, 368-369.	14.2	2
175	Nitrogen plasma treatment in two-step temperature deposited FePt bilayer media. Journal of Magnetism and Magnetic Materials, 2018, 461, 6-13.	2.3	2
176	Realization of Energy Harvesting Based on Stress-Induced Modification of Magnetic Domain Structures in Microwires. IEEE Transactions on Magnetics, 2019, 55, 1-7.	2.1	2
177	Advanced Magnetic Force Microscopy for High Resolution Magnetic Imaging. Nanoscience and Nanotechnology Letters, 2012, 4, 628-633.	0.4	2
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