

# Chih-Huang Lai

## List of Publications by Year in descending order

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247  
papers

4,370  
citations

117571

34  
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155592

55  
g-index

249  
all docs

249  
docs citations

249  
times ranked

5427  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of La doping in multiferroic properties of BiFeO <sub>3</sub> thin films. Applied Physics Letters, 2006, 88, 042903.	1.5	285
2	Manipulating exchange bias by spin-orbit torque. Nature Materials, 2019, 18, 335-341.	13.3	148
3	Nanoporous Gyroid Nickel from Block Copolymer Templates via Electroless Plating. Advanced Materials, 2011, 23, 3041-3046.	11.1	144
4	Ion-irradiation-induced direct ordering of L10 FePt phase. Applied Physics Letters, 2003, 83, 4550-4552.	1.5	114
5	Shape-Controlled Growth and Shape-Dependent Cation Site Occupancy of Monodisperse Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. Chemistry of Materials, 2011, 23, 1753-1760.	3.2	90
6	Nonpolar resistive switching in the Pt/MgO/Pt nonvolatile memory device. Applied Physics Letters, 2010, 96, .	1.5	88
7	The characteristics, biodistribution, magnetic resonance imaging and biodegradability of superparamagnetic core-shell nanoparticles. Biomaterials, 2010, 31, 1316-1324.	5.7	87
8	Low-temperature ordering of (001) granular FePt films by inserting ultrathin SiO <sub>2</sub> layers. Applied Physics Letters, 2007, 91, .	1.5	83
9	Dynamic stress-induced low-temperature ordering of FePt. Applied Physics Letters, 2004, 85, 4430.	1.5	70
10	Misorientation Control and Functionality Design of Nanopillars in Self-Assembled Perovskite/Spinel Heteroepitaxial Nanostructures. ACS Nano, 2011, 5, 4118-4122.	7.3	70
11	Bifacial sodium-incorporated treatments: Tailoring deep traps and enhancing carrier transport properties in Cu <sub>2</sub> ZnSnS <sub>4</sub> solar cells. Nano Energy, 2015, 16, 438-445.	8.2	70
12	Tuning magnetic anisotropy in (001) oriented L1 (Fe <sub>1-x</sub> Cu <sub>x</sub> ) <sub>55</sub> Pt <sub>45</sub> films. Applied Physics Letters, 2013, 102, .	1.5	66
13	The role of Ag in aqueous solution processed (Ag,Cu) <sub>2</sub> ZnSn(S,Se) <sub>4</sub> kesterite solar cells: antisite defect elimination and importance of Na passivation. Journal of Materials Chemistry A, 2018, 6, 15170-15181.	5.2	65
14	A promising sputtering route for one-step fabrication of chalcopyrite phase Cu(In,Ga)Se <sub>2</sub> absorbers without extra Se supply. Solar Energy Materials and Solar Cells, 2012, 103, 25-29.	3.0	59
15	(001) FePt nanoparticles with ultrahigh density of 10 <sup>14</sup> dots/in. <sup>2</sup> on amorphous SiO <sub>2</sub> substrates. Applied Physics Letters, 2008, 93, 242501.	1.5	58
16	Engineering spin-orbit torque in Co/Pt multilayers with perpendicular magnetic anisotropy. Applied Physics Letters, 2015, 107, .	1.5	57
17	Scaffold-free Liver-on-a-Chip with Multiscale Organotypic Cultures. Advanced Materials, 2017, 29, 1701545.	11.1	57
18	Controlling magnetization reversal in Co/Pt nanostructures with perpendicular anisotropy. Applied Physics Letters, 2009, 94, 042507.	1.5	56

#	ARTICLE	IF	CITATIONS
19	Alkali-induced grain boundary reconstruction on Cu(In,Ga)Se <sub>2</sub> thin film solar cells using cesium fluoride post deposition treatment. Nano Energy, 2020, 68, 104299.	8.2	56
20	Nanoporous gyroid platinum with high catalytic activity from block copolymer templates via electroless plating. NPG Asia Materials, 2015, 7, e170-e170.	3.8	55
21	Large Scale Single-Crystal Cu(In,Ga)Se <sub>2</sub> Nanotip Arrays For High Efficiency Solar Cell. Nano Letters, 2011, 11, 4443-4448.	4.5	54
22	Self-Assembled BiFeO <sub>3</sub> /μm/Fe <sub>2</sub> O <sub>3</sub> Vertical Heteroepitaxy for Visible Light Photoelectrochemistry. Advanced Energy Materials, 2016, 6, 1600686.	10.2	53
23	Low-temperature ordering of L10 FePt by PtMn underlayer. Applied Physics Letters, 2006, 88, 152508.	1.5	52
24	Magnetic multilayers on porous anodized alumina for percolated perpendicular media. Applied Physics Letters, 2007, 91, 132505.	1.5	50
25	Magnetic Reconstruction of Three-Dimensional Tissues from Multicellular Spheroids. Tissue Engineering - Part C: Methods, 2008, 14, 197-205.	1.1	50
26	Domain-wall depinning by controlling its configuration at notch. Applied Physics Letters, 2009, 95, 032505.	1.5	50
27	Magnetic Interaction of Multifunctional Core-Shell Nanoparticles for Highly Effective Theranostics. Advanced Materials, 2018, 30, e1802444.	11.1	50
28	Strong magnetic enhancement in self-assembled multiferroic-ferrimagnetic nanostructures. Nanoscale, 2013, 5, 4449.	2.8	44
29	Exchange-bias-induced double-shifted magnetization curves in Co biaxial films. Physical Review B, 2001, 64, .	1.1	42
30	Exploration of magnetization reversal and coercivity of epitaxial NiO {111}/NiFe films. Journal of Applied Physics, 1996, 79, 6389.	1.1	41
31	Nonvolatile electric-field modulation of magnetic anisotropy in perpendicularly magnetized L1-FePt/(001)[Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>0.7</sub> -(PbTiO <sub>3</sub> ) <sub>0.3</sub> ] heterostructures. Applied Physics Letters, 2013, 103, .	1.5	38
32	Enhanced exchange bias in sub-50-nm IrMn/CoFe nanostructure. Applied Physics Letters, 2009, 94, 082503.	1.5	36
33	Nanoporous gyroid Ni/NiO/C nanocomposites from block copolymer templates with high capacity and stability for lithium storage. Journal of Materials Chemistry A, 2018, 6, 13676-13684.	5.2	36
34	The effect of microstructure and interface conditions on the anisotropic exchange fields of NiO/NiFe. IEEE Transactions on Magnetics, 1996, 32, 3419-3421.	1.2	35
35	Using binary resistors to achieve multilevel resistive switching in multilayer NiO/Pt nanowire arrays. NPG Asia Materials, 2014, 6, e85-e85.	3.8	35
36	Over 14% Efficiency of Directly Sputtered Cu(In,Ga)Se <sub>2</sub> Absorbers without Postselenization by Post-treatment of Alkali Metals. Advanced Energy Materials, 2017, 7, 1602571.	10.2	35

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37	A large-area mesoporous array of magnetic nanostructure with perpendicular anisotropy integrated on Si wafers. <i>Nanotechnology</i> , 2008, 19, 325302.	1.3	33
38	Anisotropic exchange for NiFe films grown on epitaxial NiO. <i>IEEE Transactions on Magnetics</i> , 1995, 31, 2609-2611.	1.2	32
39	Comprehensive characterization of Cu-rich Cu(In,Ga)Se <sub>2</sub> absorbers prepared by one-step sputtering process. <i>Thin Solid Films</i> , 2013, 535, 122-126.	0.8	31
40	Stress-mediated magnetic anisotropy and magnetoelastic coupling in epitaxial multiferroic PbTiO <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> nanostructures. <i>Applied Physics Letters</i> , 2013, 102, 132905.	1.5	31
41	Application of strong transverse magneto-optical Kerr effect on high sensitive surface plasmon grating sensors. <i>Optics Express</i> , 2014, 22, 19794.	1.7	31
42	Promotion of [001]-oriented L1-FePt by rapid thermal annealing with light absorption layer. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	30
43	Non-antireflective Scheme for Efficiency Enhancement of Cu(In,Ga)Se <sub>2</sub> Nanotip Array Solar Cells. <i>ACS Nano</i> , 2013, 7, 7318-7329.	7.3	28
44	Probing the <i>A</i> <sub>1</sub> to <i>L</i> <sub>1</sub> transformation in FeCuPt using the first order reversal curve method. <i>APL Materials</i> , 2014, 2, .	2.2	28
45	Na-induced efficiency boost for Se-deficient Cu(In,Ga)Se <sub>2</sub> solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2015, 23, 1621-1629.	4.4	28
46	Magnetostrictive type inductive sensing pressure sensor. <i>Sensors and Actuators A: Physical</i> , 2016, 238, 25-36.	2.0	27
47	Room-temperature growth of epitaxial Fe <sub>3</sub> O <sub>4</sub> films by ion beam deposition. <i>Journal of Applied Physics</i> , 2004, 95, 7222-7224.	1.1	26
48	Coexistence of exchange-bias fields and vertical magnetization shifts in ZnCoO <sub>2</sub> •NiO system. <i>Applied Physics Letters</i> , 2007, 90, 062509.	1.5	26
49	Magnetically Directed Self-Assembly of Electrospun Superparamagnetic Fibrous Bundles to Form Three-Dimensional Tissues with a Highly Ordered Architecture. <i>Tissue Engineering - Part C: Methods</i> , 2011, 17, 651-661.	1.1	26
50	Investigation of perpendicular magnetic anisotropy of CoFeB by x-ray magnetic circular dichroism. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	26
51	Improvement of resistive switching in NiO-based nanowires by inserting Pt layers. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	26
52	A Simple Route to Fabricate Percolated Perpendicular Magnetic Recording Media. <i>IEEE Transactions on Magnetics</i> , 2007, 43, 2133-2135.	1.2	25
53	Evolution of granular to particulate structure of (001) FePt on amorphous substrates (invited). <i>Journal of Applied Physics</i> , 2008, 103, 07E126.	1.1	25
54	Tuning the magnetic properties of self-assembled BiFeO <sub>3</sub> •CoFe <sub>2</sub> O <sub>3</sub> heteroepitaxy by magneto-structural coupling. <i>Nanoscale</i> , 2016, 8, 8847-8854.	2.8	25

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55	Initialization-Free Multilevel States Driven by Spin-Orbit Torque Switching. <i>Advanced Materials</i> , 2017, 29, 1601575.	11.1	25
56	Temperature dependence of magnetoresistance in spin valves with different thicknesses of NiO. <i>Journal of Applied Physics</i> , 1997, 81, 3989-3991.	1.1	23
57	Effects of forming gas annealing on low-temperature ordering of FePt films. <i>Journal of Applied Physics</i> , 2005, 97, 10H305.	1.1	23
58	Room-temperature fabricated ZnCoO diluted magnetic semiconductors. <i>Journal of Applied Physics</i> , 2007, 101, 09H116.	1.1	23
59	Control of microstructure in (001)-orientated FePt-SiO <sub>2</sub> granular films. <i>Journal of Applied Physics</i> , 2008, 103, 07E140.	1.1	23
60	Achieving high efficiency Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> solar cells by non-toxic aqueous ink: Defect analysis and electrical modeling. <i>Nano Energy</i> , 2016, 26, 74-82.	8.2	23
61	Efficiency enhancement of Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> solar cells by S-modified surface layer. <i>Solar Energy Materials and Solar Cells</i> , 2017, 162, 21-29.	3.0	22
62	High interfacial exchange energy in TbFeCo exchange-bias films. <i>Journal of Applied Physics</i> , 2003, 93, 6832-6834.	1.1	20
63	Size-Dependent Magnetic Properties of PtMn Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2006, 42, 3069-3071.	1.2	20
64	Exchange anisotropy in NiFe/Fe-doped NiO bilayers. <i>Journal of Applied Physics</i> , 1997, 81, 4990-4992.	1.1	19
65	High-density ordered triangular Si nanopillars with sharp tips and varied slopes: one-step fabrication and excellent field emission properties. <i>Nanotechnology</i> , 2007, 18, 505305.	1.3	19
66	Exchange-Coupled IrMn/CoFe Multilayers for RF-Integrated Inductors. <i>IEEE Transactions on Magnetics</i> , 2007, 43, 3930-3932.	1.2	19
67	Magnetic Yoking and Tunable Interactions in FePt-Based Hard/Soft Bilayers. <i>Scientific Reports</i> , 2016, 6, 32842.	1.6	19
68	Room-Temperature Chemical Solution Treatment for Flexible ZnS(O,OH)/Cu(In,Ga)Se <sub>2</sub> Solar Cell: Improvements in Interface Properties and Metastability. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 6709-6717.	4.0	19
69	Stress-induced exchange anisotropy of epitaxial (111) NiFe/NiFeMn. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 209, 122-124.	1.0	18
70	Positive giant magnetoresistance in ferrimagnetic/Cu/ferrimagnetic films. <i>Journal of Applied Physics</i> , 2001, 89, 7124-7126.	1.1	18
71	Perpendicular interlayer coupling through oscillatory Ruderman-Kittel-Kasuya-Yosida interaction between Co/Pt multilayers and Co/TbCo bilayers. <i>Journal of Applied Physics</i> , 2007, 101, 09D121.	1.1	18
72	Direct probing Se spatial distribution in Cu(In,Ga)Se <sub>2</sub> solar cells: A key factor to achieve high efficiency performance. <i>Nano Energy</i> , 2016, 19, 269-278.	8.2	18

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73	Enhancement of exchange field and reduction of GMR in PtMn-based spin valves by ion irradiation. Journal of Applied Physics, 2002, 91, 7101.	1.1	17
74	Reduction in critical current density by tuning damping constants of CoFeB for spin-torque-transfer switching. Journal Physics D: Applied Physics, 2009, 42, 115006.	1.3	17
75	Design of magnetoelectric coupling in a self-assembled epitaxial nanocomposite via chemical interaction. Journal of Materials Chemistry C, 2014, 2, 811-815.	2.7	17
76	Conduction control at ferroic domain walls via external stimuli. Nanoscale, 2014, 6, 10524-10529.	2.8	17
77	Tuning the functionalities of a mesocrystal via structural coupling. Scientific Reports, 2015, 5, 12073.	1.6	17
78	Efficiency Enhancement of Cu(In,Ga)(S,Se) <sub>2</sub> Solar Cells by Indium-Doped CdS Buffer Layers. ACS Applied Materials & Interfaces, 2020, 12, 18157-18164.	4.0	17
79	Giant magnetoresistance enhancement in spin valves with nano-oxide layers. Journal of Applied Physics, 2001, 89, 6928-6930.	1.1	16
80	Simultaneous enhancement of anisotropy and grain isolation in $\text{CoPtCr-SiO}_2$ recording media by a MnRu intermediate layer. Physical Review B, 2010, 82, .	1.1	16
81	Ultrafast carrier dynamics in Cu(In,Ga)Se <sub>2</sub> thin films probed by femtosecond pump-probe spectroscopy. Optics Express, 2012, 20, 12675.	1.7	16
82	Efficiency enhancement by adding SnS powder during selenization for Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> thin film solar cells. Solar Energy Materials and Solar Cells, 2016, 145, 296-302.	3.0	16
83	Interplay between potassium doping and bandgap profiling in selenized Cu(In,Ga)Se <sub>2</sub> solar cells: A functional CuGa:KF surface precursor layer. Nano Energy, 2018, 47, 393-400.	8.2	16
84	Biquadratic coupling through nano-oxide layers in pinned layers of IrMn-based spin valves. Journal of Applied Physics, 2003, 93, 8412-8414.	1.1	15
85	Low-temperature ordering of FePt by formation of silicides in underlayers. Journal of Applied Physics, 2005, 97, 10H310.	1.1	15
86	Room-temperature growth of epitaxial (111) Fe <sub>3</sub> O <sub>4</sub> films with conductive Cu underlayer. Journal of Applied Physics, 2005, 97, 10C311.	1.1	15
87	Perpendicular giant magnetoresistance composed of [Co <sup>*</sup> Pt] multilayer and CoFe <sup>*</sup> TbCo. Journal of Applied Physics, 2006, 99, 08T106.	1.1	15
88	Defect mediated tuning of exchange bias in IrMn/CoFe nanostructure. Journal of Applied Physics, 2009, 105, .	1.1	15
89	Accelerating disorder→order transitions of FePt by preforming a metastable AgPt phase. Acta Materialia, 2012, 60, 7258-7264.	3.8	15
90	Engineering Na-transport to achieve high efficiency in ultrathin Cu(In,Ga)Se <sub>2</sub> solar cells with controlled preferred orientation. Nano Energy, 2017, 41, 697-705.	8.2	15

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91	Using magnetic structure of Co <sub>40</sub> Pd <sub>60</sub> /Cu for the sensing of hydrogen. Applied Physics Letters, 2017, 111, .	1.5	15
92	In-Situ observation of local atomic structure of Al-Cu-Fe quasicrystal formation. Scientific Reports, 2019, 9, 1245.	1.6	15
93	Monodomain configurations due to bias effect in NiO/NiFe microstructures. Journal of Applied Physics, 2000, 87, 4948-4950.	1.1	14
94	Highly (001)-oriented thin continuous <math>L</math> FePt film by introducing an FeOx cap layer. Applied Physics Letters, 2013, 102, .	1.5	14
95	High thermal stability and low Gilbert damping constant of CoFeB/MgO bilayer with perpendicular magnetic anisotropy by Al capping and rapid thermal annealing. Applied Physics Letters, 2014, 104, .	1.5	14
96	An ammonia-free chemical-bath-deposited ZnS(O,OH) buffer layer for flexible Cu(In,Ga)Se <sub>2</sub> solar cell application: an eco-friendly approach to achieving improved stability. Green Chemistry, 2016, 18, 5212-5218.	4.6	14
97	Size and shape effects on exchange field of patterned NiO/NiFe films. Journal of Applied Physics, 2001, 89, 7537-7539.	1.1	13
98	Thickness dependence of Co anisotropy in TbFe/Co exchange-coupled bilayers. Journal of Applied Physics, 2004, 95, 6846-6848.	1.1	13
99	Improvement of magnetic properties of FePt nanoparticles by adding Mn. Journal of Applied Physics, 2005, 97, 10J314.	1.1	13
100	Thermally assisted-writing giant magnetoresistance with perpendicular magnetization. Journal of Applied Physics, 2005, 97, 10C511.	1.1	13
101	Atomistic modeling of magnetization reversal modes in <math>L</math> nanodots with magnetically soft edges. Physical Review B, 2014, 90, .	1.1	13
102	Current-induced Néel order switching facilitated by magnetic phase transition. Nature Communications, 2022, 13, 1629.	5.8	13
103	Characteristics of reactively sputtered niobium nitride thin films as diffusion barriers for Cu metallization. Electronic Materials Letters, 2013, 9, 593-597.	1.0	12
104	Anomalous Tunnel Magnetoresistance and Spin Transfer Torque in Magnetic Tunnel Junctions with Embedded Nanoparticles. Scientific Reports, 2016, 5, 18026.	1.6	12
105	Mechanical and surface properties of Aluminum-Copper-Iron quasicrystal thin films. Journal of Alloys and Compounds, 2018, 732, 952-957.	2.8	12
106	Magnetic properties and L10 phase formation of FePt films prepared by high current-density ion-beam irradiation and rapid thermal annealing methods. Journal of Applied Physics, 2005, 97, 10H306.	1.1	11
107	Enhancement of exchange coupling between GaMnAs and IrMn with self-organized Mn(Ga)As at the interface. Applied Physics Letters, 2006, 89, 262502.	1.5	11
108	Nonlithographic fabrication of 25 nm magnetic nanodot arrays with perpendicular anisotropy over a large area. Journal of Applied Physics, 2009, 105, 07C112.	1.1	11

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109	Effects of B additions in FePt and FePt:C films. Journal of Applied Physics, 2014, 115, 17B713.	1.1	11
110	Low-Ordering-Temperature Fabrication of FePt by Ion Irradiation. IEEE Transactions on Magnetism, 2004, 40, 2519-2521.	1.2	10
111	Layer- and lateral-resolved magnetization studies using photoemission electron microscopy. Journal of Magnetism and Magnetic Materials, 2004, 282, 49-52.	1.0	10
112	Growth of (Ti,Zr)N Films on Si by DC Reactive Sputtering of TiZr in N <sub>2</sub> /Ar Gas Mixtures. Journal of the Electrochemical Society, 2004, 151, C176.	1.3	10
113	Thermal dewetting with a chemically heterogeneous nano-template for self-assembled L1 <sub>0</sub> FePt nanoparticle arrays. Nanoscale, 2016, 8, 3926-3935.	2.8	10
114	Reversing exchange fields in CoFe/PtMn and CoFe/IrMn bilayers by carbon field irradiation. Journal of Applied Physics, 2003, 93, 6596-6598.	1.1	9
115	Synthesis and property of core-shell Ag@Fe <sub>3</sub> O <sub>4</sub> nanoparticles. IEEE Transactions on Magnetism, 2005, 41, 3397-3399.	1.2	9
116	Sputtered In <sub>x</sub> (O,S) <sub>y</sub> Buffer Layers for Cu(In,Ga)Se <sub>2</sub> Thin-Film Solar Cells: Engineering of Band Alignment and Interface Properties. ACS Applied Materials & Interfaces, 2017, 9, 17586-17594.	4.0	9
117	Large enhancement of spin-orbit torques in Pd/CoFeB: The role of boron. Physical Review Materials, 2018, 2, .	0.9	9
118	Room-Temperature Ferromagnetism of Single-Layer MoS <sub>2</sub> Induced by Antiferromagnetic Proximity of Yttrium Iron Garnet. Advanced Quantum Technologies, 2021, 4, 2000104.	1.8	9
119	Effects of phase transformation and interdiffusion on the exchange bias of NiFe/NiMn. Journal of Applied Physics, 2001, 89, 6600-6602.	1.1	8
120	Effects of structure and ion irradiation on the exchange field of NiFe/NiMn. Journal of Magnetism and Magnetic Materials, 2002, 239, 390-395.	1.0	8
121	Characteristics of DC Reactively Sputtered (Ti,Zr)N Thin Films as Diffusion Barriers for Cu Metallization. Electrochemical and Solid-State Letters, 2003, 6, C123.	2.2	8
122	Effects of orientation transition on exchange anisotropy of Co <sup>*</sup> NiMn films by biorientation epitaxial Cu <sup>*</sup> Au <sup>*</sup> Cu underlayers. Applied Physics Letters, 2004, 85, 2298-2300.	1.5	8
123	(001) FePt graded media with PtMn underlayers. Applied Physics Letters, 2011, 99, 212504.	1.5	8
124	Asymmetric double-shifted characteristics in epitaxial (002) exchange-biased IrMn/CoFe bilayers. Applied Physics Letters, 2011, 98, 072501.	1.5	8
125	Fabrication of large-scale single-crystal Cu(In,Ga)Se <sub>2</sub> nanotip arrays solar cell by one-step ion milling processes. Thin Solid Films, 2013, 546, 347-352.	0.8	8
126	Scalable Epitaxial Growth of WSe <sub>2</sub> Thin Films on SiO <sub>2</sub> /Si via a Self-Assembled PtSe <sub>2</sub> Buffer Layer. Scientific Reports, 2019, 9, 8017.	1.6	8



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127	Direct observation of growth and stability of Al-Cu-Fe quasicrystal thin films. <i>Acta Materialia</i> , 2019, 174, 1-8.	3.8	8
128	A Spin-Orbit Torque Ratchet at Ferromagnet/Antiferromagnet Interface via Exchange Spring. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	8
129	Structural effects on interlayer coupling of Fe/Si multilayer. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 239, 319-322.	1.0	7
130	Effects of alloying additions in the CrMo underlayer on the grain size and magnetic properties of CoCrPt longitudinal media. <i>Journal of Applied Physics</i> , 2003, 93, 8468-8470.	1.1	7
131	Novel laminated antiferro-magnetically coupled soft magnetic underlayer for perpendicular recording media. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 2312-2313.	1.0	7
132	Low-temperature growth of perpendicular FePt films. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 3199-3201.	1.2	7
133	Effect of Deposition Pressure on Switching Field Distribution of CoPtCr/SiO <sub>2</sub> Perpendicular Magnetic Recording Thin Film Media. <i>IEEE Transactions on Magnetics</i> , 2006, 42, 2396-2398.	1.2	7
134	Ultrahigh-density (001)-oriented FePt nanoparticles by atomic-scale-multilayer deposition. <i>Journal of Applied Physics</i> , 2009, 105, 07A713.	1.1	7
135	Effects of laminated soft layer on magnetization reversal of exchange coupled composite media. <i>Journal of Applied Physics</i> , 2009, 105, 07B729.	1.1	7
136	Tuning the formation and functionalities of ultrafine CoFe <sub>2</sub> O <sub>4</sub> nanocrystals via interfacial coherent strain. <i>Nanoscale</i> , 2013, 5, 6219.	2.8	7
137	Magnetic patterning: local manipulation of the intergranular exchange coupling via grain boundary engineering. <i>Scientific Reports</i> , 2015, 5, 11904.	1.6	7
138	Effect of lead resistance on spin-dependent tunneling junction with ion-beam deposited AlN barrier. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 198-199, 170-172.	1.0	6
139	Exchange anisotropy of epitaxial (001) NiMn/NiFe. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 209, 119-121.	1.0	6
140	Biased FeTaC(N) soft underlayers for perpendicular media. <i>Journal of Applied Physics</i> , 2003, 93, 8155-8157.	1.1	6
141	Probing the magnetization vectors in layered magnetic structures. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 737-739.	0.8	6
142	Origin of the anisotropy in soft nanocrystalline FeTaCN films. <i>Journal of Applied Physics</i> , 2005, 97, 10N302.	1.1	6
143	Thermally assisted writing for perpendicular MRAM. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 304, 93-96.	1.0	6
144	Optimization of exchange coupled composite media by tuning the anisotropy in a laminated soft layer. <i>Journal of Applied Physics</i> , 2011, 109, 07C104.	1.1	6

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145	Fabrication of FePt networks by porous anodic aluminum oxide. Journal of Applied Physics, 2012, 111, 07B923.	1.1	6
146	Symmetric and Asymmetric Magnetic Tunnel Junctions with Embedded Nanoparticles: Effects of Size Distribution and Temperature on Tunneling Magnetoresistance and Spin Transfer Torque. Scientific Reports, 2017, 7, 8357.	1.6	6
147	Role of induced exchange bias in zero field spin-orbit torque magnetization switching in Pt/[Ni/Co]/PtMn. AIP Advances, 2020, 10, .	0.6	6
148	Tuning Ga Grading in Selenized Cu(In,Ga)Se <sub>2</sub> Solar Cells by Formation of Ordered Vacancy Compound. Solar Rrl, 2021, 5, 2000626.	3.1	6
149	Exchange anisotropy in Ni <sub>82</sub> Fe <sub>18</sub> O{100}/Ni <sub>80</sub> Fe <sub>20</sub> bilayers. Journal of Applied Physics, 1998, 83, 6816-6818.	1.1	5
150	Orientation effect on the exchange fields of NiFeO/NiFe bilayers. Journal of Applied Physics, 1999, 85, 6115-6117.	1.1	5
151	Uniaxial anisotropy induced by field annealing in (001) NiMn/Co films. Journal of Applied Physics, 2001, 89, 6603-6605.	1.1	5
152	Origin of the double shifted hysteresis loops in thin ferromagnetic films with bias fields. Journal of Magnetism and Magnetic Materials, 2002, 239, 28-30.	1.0	5
153	Uniaxial to unidirectional transition of perpendicular interlayer coupling in IrMn~CoFe~NiFeO~CoFe quadrilayers. Applied Physics Letters, 2006, 88, 112510.	1.5	5
154	Reorientation of exchange anisotropy in epitaxial (002) IrMn/CoFe system. Journal of Applied Physics, 2009, 105, 07D724.	1.1	5
155	Direct probing magnetization reversal of exchange-coupled-composite media by x-ray magnetic circular dichroism. Applied Physics Letters, 2011, 98, 262507.	1.5	5
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157	Characterizing formation of interfacial domain wall and exchange coupling strength in laminated exchange coupled composites. Applied Physics Letters, 2013, 102, 162408.	1.5	5
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