

# Chih-Huang Lai

## List of Publications by Citations

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214  
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249  
ext. papers

4,049  
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
214	Influence of La doping in multiferroic properties of BiFeO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 042903	3.4	265
213	Nanoporous gyroid nickel from block copolymer templates via electroless plating. <i>Advanced Materials</i> , <b>2011</b> , 23, 3041-6	24	124
212	Ion-irradiation-induced direct ordering of L10 FePt phase. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 4550-4552	3.4	107
211	The characteristics, biodistribution, magnetic resonance imaging and biodegradability of superparamagnetic core-shell nanoparticles. <i>Biomaterials</i> , <b>2010</b> , 31, 1316-24	15.6	81
210	Shape-Controlled Growth and Shape-Dependent Cation Site Occupancy of Monodisperse Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1753-1760	9.6	80
209	Low-temperature ordering of (001) granular FePt films by inserting ultrathin SiO <sub>2</sub> layers. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 072502	3.4	80
208	Nonpolar resistive switching in the Pt/MgO/Pt nonvolatile memory device. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 193505	3.4	70
207	Manipulating exchange bias by spin-orbit torque. <i>Nature Materials</i> , <b>2019</b> , 18, 335-341	27	69
206	Misorientation control and functionality design of nanopillars in self-assembled perovskite-spinel heteroepitaxial nanostructures. <i>ACS Nano</i> , <b>2011</b> , 5, 4118-22	16.7	66
205	Dynamic stress-induced low-temperature ordering of FePt. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 4430	3.4	64
204	Tuning magnetic anisotropy in (001) oriented L10 (Fe <sub>1-x</sub> Cu <sub>x</sub> ) <sub>55</sub> Pt <sub>45</sub> films. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 132406	3.4	61
203	Bifacial sodium-incorporated treatments: Tailoring deep traps and enhancing carrier transport properties in Cu <sub>2</sub> ZnSnS <sub>4</sub> solar cells. <i>Nano Energy</i> , <b>2015</b> , 16, 438-445	17.1	55
202	(001) FePt nanoparticles with ultrahigh density of 10 T dots/in. <sup>2</sup> on amorphous SiO <sub>2</sub> substrates. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 242501	3.4	54
201	Large scale single-crystal Cu(In,Ga)Se <sub>2</sub> nanotip arrays for high efficiency solar cell. <i>Nano Letters</i> , <b>2011</b> , 11, 4443-8	11.5	53
200	Low-temperature ordering of L10 FePt by PtMn underlayer. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 152508	3.4	51
199	A promising sputtering route for one-step fabrication of chalcopyrite phase Cu(In,Ga)Se <sub>2</sub> absorbers without extra Se supply. <i>Solar Energy Materials and Solar Cells</i> , <b>2012</b> , 103, 25-29	6.4	49
198	Controlling magnetization reversal in Co/Pt nanostructures with perpendicular anisotropy. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 042507	3.4	48

197	Magnetic multilayers on porous anodized alumina for percolated perpendicular media. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 132505	3.4	48
196	Nanoporous gyroid platinum with high catalytic activity from block copolymer templates via electroless plating. <i>NPG Asia Materials</i> , <b>2015</b> , 7, e170-e170	10.3	45
195	Self-Assembled BiFeO <sub>3</sub> -Fe <sub>2</sub> O <sub>3</sub> Vertical Heteroepitaxy for Visible Light Photoelectrochemistry. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600686	21.8	43
194	Engineering spin-orbit torque in Co/Pt multilayers with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 232407	3.4	41
193	Strong magnetic enhancement in self-assembled multiferroic-ferrimagnetic nanostructures. <i>Nanoscale</i> , <b>2013</b> , 5, 4449-53	7.7	41
192	Domain-wall depinning by controlling its configuration at notch. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 032505	3.4	41
191	Magnetic reconstruction of three-dimensional tissues from multicellular spheroids. <i>Tissue Engineering - Part C: Methods</i> , <b>2008</b> , 14, 197-205	2.9	41
190	Exchange-bias-induced double-shifted magnetization curves in Co biaxial films. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	41
189	Exploration of magnetization reversal and coercivity of epitaxial NiO {111}/NiFe films. <i>Journal of Applied Physics</i> , <b>1996</b> , 79, 6389	2.5	41
188	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. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 15170-15181	13.1	40
187	Nonvolatile electric-field modulation of magnetic anisotropy in perpendicularly magnetized L10-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. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 252405	3.4	36
186	Scaffold-Free Liver-On-A-Chip with Multiscale Organotypic Cultures. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701545	5.4	34
185	Magnetic Interaction of Multifunctional Core-Shell Nanoparticles for Highly Effective Theranostics. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802444	24	34
184	Enhanced exchange bias in sub-50-nm IrMn/CoFe nanostructure. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 082503	3.4	32
183	A large-area mesoporous array of magnetic nanostructure with perpendicular anisotropy integrated on Si wafers. <i>Nanotechnology</i> , <b>2008</b> , 19, 325302	3.4	32
182	The effect of microstructure and interface conditions on the anisotropic exchange fields of NiO/NiFe. <i>IEEE Transactions on Magnetics</i> , <b>1996</b> , 32, 3419-3421	2	32
181	Using binary resistors to achieve multilevel resistive switching in multilayer NiO/Pt nanowire arrays. <i>NPG Asia Materials</i> , <b>2014</b> , 6, e85-e85	10.3	31
180	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> , <b>2013</b> , 102, 132905	3.4	30

179	Comprehensive characterization of Cu-rich Cu(In,Ga)Se <sub>2</sub> absorbers prepared by one-step sputtering process. <i>Thin Solid Films</i> , <b>2013</b> , 535, 122-126	2.2	29
178	Nanoporous gyroid Ni/NiO/C nanocomposites from block copolymer templates with high capacity and stability for lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13676-13684	13	28
177	Anisotropic exchange for NiFe films grown on epitaxial NiO. <i>IEEE Transactions on Magnetics</i> , <b>1995</b> , 31, 2609-2611	2	28
176	Promotion of [001]-oriented L10-FePt by rapid thermal annealing with light absorption layer. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 252403	3-4	27
175	Over 14% Efficiency of Directly Sputtered Cu(In,Ga)Se <sub>2</sub> Absorbers without Postselenization by Post-Treatment of Alkali Metals. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602571	21.8	26
174	Probing the A1 to L10 transformation in FeCuPt using the first order reversal curve method. <i>APL Materials</i> , <b>2014</b> , 2, 086106	5-7	26
173	Non-antireflective scheme for efficiency enhancement of Cu(In,Ga)Se <sub>2</sub> nanotip array solar cells. <i>ACS Nano</i> , <b>2013</b> , 7, 7318-29	16.7	25
172	Evolution of granular to particulate structure of (001) FePt on amorphous substrates (invited). <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07E126	2.5	25
171	Room-temperature growth of epitaxial Fe <sub>3</sub> O <sub>4</sub> films by ion beam deposition. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 7222-7224	2.5	25
170	Alkali-induced grain boundary reconstruction on Cu(In,Ga)Se <sub>2</sub> thin film solar cells using cesium fluoride post deposition treatment. <i>Nano Energy</i> , <b>2020</b> , 68, 104299	17.1	25
169	Na-induced efficiency boost for Se-deficient Cu(In,Ga)Se <sub>2</sub> solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , <b>2015</b> , 23, 1621-1629	6.8	24
168	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> , <b>2011</b> , 17, 651-61	2.9	24
167	Improvement of resistive switching in NiO-based nanowires by inserting Pt layers. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 153106	3-4	23
166	Control of microstructure in (001)-orientated FePt/BiO <sub>2</sub> granular films. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07E140	2.5	23
165	A Simple Route to Fabricate Percolated Perpendicular Magnetic Recording Media. <i>IEEE Transactions on Magnetics</i> , <b>2007</b> , 43, 2133-2135	2	23
164	Investigation of perpendicular magnetic anisotropy of CoFeB by x-ray magnetic circular dichroism. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 172414	3-4	22
163	Temperature dependence of magnetoresistance in spin valves with different thicknesses of NiO. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 3989-3991	2.5	22
162	Room-temperature fabricated ZnCoO diluted magnetic semiconductors. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 09H116	2.5	22

161	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> , <b>2016</b> , 26, 74-82	17.1	22
160	Coexistence of exchange-bias fields and vertical magnetization shifts in ZnCoO/NiO system. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 062509	3.4	21
159	Effects of forming gas annealing on low-temperature ordering of FePt films. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10H305	2.5	21
158	Initialization-Free Multilevel States Driven by Spin-Orbit Torque Switching. <i>Advanced Materials</i> , <b>2017</b> , 29, 1601575	24	20
157	High interfacial exchange energy in TbFeCo exchange-bias films. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 6832-6834	2.5	20
156	Tuning the magnetic properties of self-assembled BiFeO <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> heteroepitaxy by magneto-structural coupling. <i>Nanoscale</i> , <b>2016</b> , 8, 8847-54	7.7	20
155	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> , <b>2017</b> , 162, 21-29	6.4	18
154	Size-Dependent Magnetic Properties of PtMn Nanoparticles. <i>IEEE Transactions on Magnetics</i> , <b>2006</b> , 42, 3069-3071	2	18
153	Perpendicular interlayer coupling through oscillatory Ruderman-Kittel-Kasuya-Yosida interaction between CoPt multilayers and CoTbCo bilayers. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 09D121	2.5	18
152	Stress-induced exchange anisotropy of epitaxial (111) NiFe/NiFeMn. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 209, 122-124	2.8	18
151	Magnetostrictive type inductive sensing pressure sensor. <i>Sensors and Actuators A: Physical</i> , <b>2016</b> , 238, 25-36	3.9	17
150	Exchange anisotropy in NiFe/Fe-doped NiO bilayers. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 4990-4992	2.5	17
149	High-density ordered triangular Si nanopillars with sharp tips and varied slopes: one-step fabrication and excellent field emission properties. <i>Nanotechnology</i> , <b>2007</b> , 18, 505305	3.4	17
148	Enhancement of exchange field and reduction of GMR in PtMn-based spin valves by ion irradiation. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 7101	2.5	17
147	Direct probing Se spatial distribution in Cu(In,Ga)S <sub>2</sub> solar cells: A key factor to achieve high efficiency performance. <i>Nano Energy</i> , <b>2016</b> , 19, 269-278	17.1	16
146	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> , <b>2016</b> , 8, 6709-17	9.5	16
145	Conduction control at ferroic domain walls via external stimuli. <i>Nanoscale</i> , <b>2014</b> , 6, 10524-9	7.7	16
144	Tuning the functionalities of a mesocrystal via structural coupling. <i>Scientific Reports</i> , <b>2015</b> , 5, 12073	4.9	16

143	Giant magnetoresistance enhancement in spin valves with nano-oxide layers. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 6928-6930	2.5	16
142	Design of magnetoelectric coupling in a self-assembled epitaxial nanocomposite via chemical interaction. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 811-815	7.1	15
141	Simultaneous enhancement of anisotropy and grain isolation in CoPtCr-SiO <sub>2</sub> perpendicular recording media by a MnRu intermediate layer. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	15
140	Exchange-Coupled IrMn/CoFe Multilayers for RF-Integrated Inductors. <i>IEEE Transactions on Magnetics</i> , <b>2007</b> , 43, 3930-3932	2	15
139	Room-temperature growth of epitaxial (111) Fe <sub>3</sub> O <sub>4</sub> films with conductive Cu underlayer. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10C311	2.5	15
138	Positive giant magnetoresistance in ferrimagnetic/Cu/ferrimagnetic films. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 7124-7126	2.5	15
137	Magnetic Yoking and Tunable Interactions in FePt-Based Hard/Soft Bilayers. <i>Scientific Reports</i> , <b>2016</b> , 6, 32842	4.9	15
136	Application of strong transverse magneto-optical Kerr effect on high sensitive surface plasmon grating sensors. <i>Optics Express</i> , <b>2014</b> , 22, 19794-802	3.3	14
135	Accelerating disorder-order transitions of FePt by preforming a metastable AgPt phase. <i>Acta Materialia</i> , <b>2012</b> , 60, 7258-7264	8.4	14
134	Highly (001)-oriented thin continuous L10 FePt film by introducing an FeO <sub>x</sub> cap layer. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 062420	3.4	14
133	Reduction in critical current density by tuning damping constants of CoFeB for spin-torque-transfer switching. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 115006	3	14
132	Low-temperature ordering of FePt by formation of silicides in underlayers. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10H310	2.5	14
131	Monodomain configurations due to bias effect in NiO/NiFe microstructures. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 4948-4950	2.5	14
130	Ultrafast carrier dynamics in Cu(In,Ga)Se <sub>2</sub> thin films probed by femtosecond pump-probe spectroscopy. <i>Optics Express</i> , <b>2012</b> , 20, 12675-81	3.3	13
129	Perpendicular giant magnetoresistance composed of [CoPt] multilayer and CoFe/TbCo. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 08T106	2.5	13
128	Thickness dependence of Co anisotropy in TbFe/Co exchange-coupled bilayers. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 6846-6848	2.5	13
127	Size and shape effects on exchange field of patterned NiO/NiFe films. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 7537-7539	2.5	13
126	In-Situ observation of local atomic structure of Al-Cu-Fe quasicrystal formation. <i>Scientific Reports</i> , <b>2019</b> , 9, 1245	4.9	12

125	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. <i>Green Chemistry</i> , <b>2016</b> , 18, 5212-5218	10	12
124	Efficiency enhancement by adding SnS powder during selenization for Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> thin film solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2016</b> , 145, 296-302	6.4	12
123	Atomistic modeling of magnetization reversal modes in L10 FePt nanodots with magnetically soft edges. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	12
122	High thermal stability and low Gilbert damping constant of CoFeB/MgO bilayer with perpendicular magnetic anisotropy by Al capping and rapid thermal annealing. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 142402 <sup>4</sup>	3.4	12
121	Defect mediated tuning of exchange bias in IrMn/CoFe nanostructure. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07D722	2.5	12
120	Improvement of magnetic properties of FePt nanoparticles by adding Mn. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10J314	2.5	12
119	Engineering Na-transport to achieve high efficiency in ultrathin Cu(In,Ga)Se <sub>2</sub> solar cells with controlled preferred orientation. <i>Nano Energy</i> , <b>2017</b> , 41, 697-705	17.1	11
118	Anomalous Tunnel Magnetoresistance and Spin Transfer Torque in Magnetic Tunnel Junctions with Embedded Nanoparticles. <i>Scientific Reports</i> , <b>2015</b> , 5, 18026	4.9	11
117	Characteristics of reactively sputtered niobium nitride thin films as diffusion barriers for Cu metallization. <i>Electronic Materials Letters</i> , <b>2013</b> , 9, 593-597	2.9	11
116	Using magnetic structure of Co <sub>40</sub> Pd <sub>60</sub> /Cu for the sensing of hydrogen. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 023503	3.4	11
115	Nonlithographic fabrication of 25 nm magnetic nanodot arrays with perpendicular anisotropy over a large area. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07C112	2.5	11
114	Magnetic properties and L10 phase formation of FePt films prepared by high current-density ion-beam irradiation and rapid thermal annealing methods. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10H306	2.5	11
113	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. <i>Nano Energy</i> , <b>2018</b> , 47, 393-400	17.1	10
112	Enhancement of exchange coupling between GaMnAs and IrMn with self-organized Mn(Ga)As at the interface. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 262502	3.4	10
111	Biquadratic coupling through nano-oxide layers in pinned layers of IrMn-based spin valves. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 8412-8414	2.5	10
110	Thermally assisted-writing giant magnetoresistance with perpendicular magnetization. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10C511	2.5	10
109	Low-ordering-temperature fabrication of FePt by ion irradiation. <i>IEEE Transactions on Magnetics</i> , <b>2004</b> , 40, 2519-2521	2	9
108	Growth of (Ti,Zr)N Films on Si by DC Reactive Sputtering of TiZr in N <sub>2</sub> /Ar Gas Mixtures. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, C176	3.9	9



107	Reversing exchange fields in CoFe/PtMn and CoFe/IrMn bilayers by carbon field irradiation. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 6596-6598	2.5	9
106	Synthesis and property of core-shell Ag@Fe/sub 3/O/sub 4/ nanoparticles. <i>IEEE Transactions on Magnetism</i> , <b>2005</b> , 41, 3397-3399	2	9
105	Efficiency Enhancement of Cu(In,Ga)(S,Se) Solar Cells by Indium-Doped CdS Buffer Layers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 18157-18164	9.5	8
104	Mechanical and surface properties of Aluminum-Copper-Iron quasicrystal thin films. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 732, 952-957	5.7	8
103	Effects of B additions in FePt and FePt:C films. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17B713	2.5	8
102	Fabrication of large-scale single-crystal Cu(In,Ga)Se <sub>2</sub> nanotip arrays solar cell by one-step ion milling processes. <i>Thin Solid Films</i> , <b>2013</b> , 546, 347-352	2.2	8
101	(001) FePt graded media with PtMn underlayers. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 212504	3.4	8
100	Asymmetric double-shifted characteristics in epitaxial (002) exchange-biased IrMn/CoFe bilayers. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 072501	3.4	8
99	Effects of orientation transition on exchange anisotropy of Co/NiMn films by biorientation epitaxial Cu <sub>2</sub> AlCu underlayers. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 2298-2300	3.4	8
98	Layer- and lateral-resolved magnetization studies using photoemission electron microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 282, 49-52	2.8	8
97	Effects of structure and ion irradiation on the exchange field of NiFe/NiMn. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 239, 390-395	2.8	8
96	Characteristics of DC Reactively Sputtered (Ti,Zr)N Thin Films as Diffusion Barriers for Cu Metallization. <i>Electrochemical and Solid-State Letters</i> , <b>2003</b> , 6, C123		8
95	Effects of phase transformation and interdiffusion on the exchange bias of NiFe/NiMn. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 6600-6602	2.5	8
94	Large enhancement of spin-orbit torques in Pd/CoFeB: The role of boron. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	8
93	Tuning the formation and functionalities of ultrafine CoFe <sub>2</sub> O <sub>4</sub> nanocrystals via interfacial coherent strain. <i>Nanoscale</i> , <b>2013</b> , 5, 6219-23	7.7	7
92	Ultrahigh-density (001)-oriented FePt nanoparticles by atomic-scale-multilayer deposition. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07A713	2.5	7
91	Effect of Deposition Pressure on Switching Field Distribution of CoPtCrBiO <sub>2</sub> Perpendicular Magnetic Recording Thin Film Media. <i>IEEE Transactions on Magnetism</i> , <b>2006</b> , 42, 2396-2398	2	7
90	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> , <b>2003</b> , 93, 8468-8470	2.5	7



89	Novel laminated antiferro-magnetically coupled soft magnetic underlayer for perpendicular recording media. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 2312-2313	2.8	7
88	Structural effects on interlayer coupling of Fe/Si multilayer. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 239, 319-322	2.8	7
87	Sputtered In(O,S) Buffer Layers for Cu(In,Ga)Se Thin-Film Solar Cells: Engineering of Band Alignment and Interface Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 17586-17594	9.5	6
86	Scalable Epitaxial Growth of WSe Thin Films on SiO/Si via a Self-Assembled PtSe Buffer Layer. <i>Scientific Reports</i> , <b>2019</b> , 9, 8017	4.9	6
85	Thermal dewetting with a chemically heterogeneous nano-template for self-assembled L1(0) FePt nanoparticle arrays. <i>Nanoscale</i> , <b>2016</b> , 8, 3926-35	7.7	6
84	Symmetric and Asymmetric Magnetic Tunnel Junctions with Embedded Nanoparticles: Effects of Size Distribution and Temperature on Tunneling Magnetoresistance and Spin Transfer Torque. <i>Scientific Reports</i> , <b>2017</b> , 7, 8357	4.9	6
83	Magnetic patterning: local manipulation of the intergranular exchange coupling via grain boundary engineering. <i>Scientific Reports</i> , <b>2015</b> , 5, 11904	4.9	6
82	Optimization of exchange coupled composite media by tuning the anisotropy in a laminated soft layer. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07C104	2.5	6
81	Effects of laminated soft layer on magnetization reversal of exchange coupled composite media. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07B729	2.5	6
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