

Lin Minn-tsong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1309834/publications.pdf>

Version: 2024-02-01

128
papers

2,174
citations

270111

25
h-index

340414

39
g-index

128
all docs

128
docs citations

128
times ranked

3308
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable magnetic circular dichroism via electrochemically controlled charge-transfer transition in Ru(bpy) ₃ ²⁺ aqueous solution. Applied Physics Letters, 2021, 118, 032408.	1.5	0
2	Electrically programmable magnetoresistance in AlO _x -based magnetic tunnel junctions. Scientific Reports, 2021, 11, 6027.	1.6	3
3	Chiral Second-Harmonic Generation from Monolayer WS ₂ /Aluminum Plasmonic Vortex Metalens. Nano Letters, 2020, 20, 2857-2864.	4.5	36
4	Ultralow Schottky Barriers in Hexagonal Boron Nitride-Encapsulated Monolayer WSe ₂ Tunnel Field-Effect Transistors. ACS Applied Materials & Interfaces, 2020, 12, 18667-18673.	4.0	22
5	Spontaneously induced magnetic anisotropy in an ultrathin Co/MoS ₂ heterojunction. Nanoscale Horizons, 2020, 5, 1058-1064.	4.1	4
6	Titanium Nitride Epitaxial Films as a Plasmonic Material Platform: Alternative to Gold. ACS Photonics, 2019, 6, 1848-1854.	3.2	88
7	Current status of women in physics: A report from the Physical Society located in Taipei. AIP Conference Proceedings, 2019, .	0.3	0
8	Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet. Advanced Materials, 2019, 31, e1901185.	11.1	129
9	Direct observation of proximity-induced magnetism and spin reorientation in topological insulator on a ferrimagnetic oxide. Applied Physics Letters, 2019, 114, .	1.5	8
10	A multifunctional molecular spintronic platform with magnetoresistive and memristive responses via a self-assembled monolayer. Journal of Applied Physics, 2019, 125, .	1.1	8
11	Atomic scale depletion region at one dimensional MoSe ₂ -WSe ₂ heterointerface. Applied Physics Letters, 2018, 113, .	1.5	12
12	Magnetic-State Controlled Molecular Vibrational Dynamics at Buried Molecular-Metal Interfaces. Journal of Physical Chemistry C, 2018, 122, 26499-26505.	1.5	2
13	Crystal growth of Dirac semimetal ZrSiS with high magnetoresistance and mobility. Scientific Reports, 2017, 7, 40603.	1.6	62
14	Observation of surface superstructure induced by systematic vacancies in the topological Dirac semimetal Cd_3As_2 . Physical Review B, 2017, 95, .	1.1	4
15	Polymorphic Layered MoTe ₂ from Semiconductor, Topological Insulator, to Weyl Semimetal. Chemistry of Materials, 2017, 29, 699-707.	3.2	52
16	Moiré-related in-gap states in a twisted MoS ₂ /graphite heterojunction. Npj 2D Materials and Applications, 2017, 1, .	3.9	13
17	Quasiparticle interference in ZrSiS: Strongly band-selective scattering depending on impurity lattice site. Physical Review B, 2017, 96, .	1.1	18
18	Visualizing Spin-Dependent Molecule Symmetry at an Organic-Ferromagnetic Spinterface. , 2016, .		0

#	ARTICLE	IF	CITATIONS
19	Scanning Tunneling Microscopy Study on Spintronic Emergent Materials. , 2016, , .		0
20	Electron transport and noise spectroscopy in organic magnetic tunnel junctions with PTCDA and Alq3 barriers. , 2016, , .		0
21	Shot noise in magnetic tunneling structures with two-level quantum dots. Physical Review B, 2016, 94, .	1.1	4
22	Quasiparticle Scattering in the Rashba Semiconductor BiTeBr: The Roles of Spin and Defect Lattice Site. ACS Nano, 2016, 10, 9361-9369.	7.3	5
23	Magnetic Structure of Mn Films on Cu₃Au(100) Revealed by Spin-Polarized Scanning Tunneling Microscopy. Materials Transactions, 2015, 56, 1484-1487.	0.4	4
24	Large single crystal growth, transport property and spectroscopic characterizations of three-dimensional Dirac semimetal Cd3As2. Scientific Reports, 2015, 5, 12966.	1.6	31
25	Tuning molecule-substrate coupling <i>via</i> deposition of metal adatoms. Journal of Chemical Physics, 2015, 143, 184704.	1.2	1
26	Nanopatterning of magnetic domains: Fe coverage of self-assembled alumina nanostructure. Applied Physics Express, 2015, 8, 093002.	1.1	0
27	Spin-Polarized Transport through Single Manganese Phthalocyanine Molecules on a Co Nanoisland. Journal of Physical Chemistry C, 2015, 119, 3374-3378.	1.5	20
28	X-ray photoelectron spectroscopic investigation on Fe geometrical sites of iron nitride thin films. Japanese Journal of Applied Physics, 2015, 54, 033002.	0.8	14
29	Spin-Dependent Molecule Symmetry at a Pentaceneâ€Co Spinterface. ACS Nano, 2015, 9, 7027-7032.	7.3	23
30	Graphite edge controlled registration of monolayer MoS2 crystal orientation. Applied Physics Letters, 2015, 106, 181904.	1.5	34
31	Organic Monolayer Protected Topological Surface State. Nano Letters, 2015, 15, 6896-6900.	4.5	8
32	HIGH-FREQUENCY MAGNETOCAPACITANCE EFFECT IN ORGANIC SPIN VALVE WITH A 3,4,9,10-PERYLENE-TERACARBOXYLIC-DIANHYDRIDE SPACER. Spin, 2014, 04, 1440015.	0.6	4
33	Probing magnetoelastic effects of ultrathin antiferromagnets via magnetic domain imaging in ferromagnetic-antiferromagnetic bilayers. Physical Review B, 2014, 90, .	1.1	7
34	Superpoissonian shot noise in organic magnetic tunnel junctions. Applied Physics Letters, 2014, 105, .	1.5	10
35	Controllable sealing of leaky alumina films on NiAl(100) surface by catalytic oxidation. Journal of Applied Physics, 2014, 115, 044310.	1.1	1
36	Scanning tunneling microscopy/spectroscopy of picene thin films formed on Ag(111). Journal of Chemical Physics, 2014, 141, 114701.	1.2	21

#	ARTICLE	IF	CITATIONS
37	Mapping polarization induced surface band bending on the Rashba semiconductor BiTeI. Nature Communications, 2014, 5, 4066.	5.8	36
38	Interfacial spectroscopic characterization of organic/ferromagnet hetero-junction of 3,4,9,10-perylene-teracarboxylic dianhydride-based organic spin valves. Applied Physics Letters, 2014, 104, 083301.	1.5	14
39	Soft perpendicular magnetization and spin reorientation transition of Fe films on NiAl(001). Applied Physics Express, 2014, 7, 023005.	1.1	4
40	Room temperature agglomeration for the growth of BiTeI single crystals with a giant Rashba effect. CrystEngComm, 2014, 16, 8678-8683.	1.3	12
41	Spin-Polarized Negative Differential Resistance in a Self-Assembled Molecular Chain. Journal of Physical Chemistry C, 2014, 118, 21199-21203.	1.5	10
42	Enhanced perpendicular magnetic anisotropy in Fe/Mn bilayers by incorporating ultrathin ferromagnetic underlayer through magnetic proximity effect. Applied Physics Letters, 2013, 103, .	1.5	16
43	High performance phototransistors based on single crystalline perylene-tetracarboxylic-dianhydride nanoparticle. Applied Physics Letters, 2013, 103, .	1.5	17
44	How Antiferromagnetism Drives the Magnetization of a Ferromagnetic Thin Film to Align Out of Plane. Physical Review Letters, 2013, 110, 117203.	2.9	41
45	Digitized Charge Transfer Magnitude Determined by Metal-Organic Coordination Number. ACS Nano, 2013, 7, 2814-2819.	7.3	36
46	Optically tunable and detectable magnetoelectric effects in the composite consisting of magnetic thin films and InGaN/GaN multiple quantum wells. Optics Express, 2013, 21, 19934.	1.7	3
47	Layered antiferromagnetic spin structures of expanded face-centered-tetragonal Mn(001) as an origin of exchange bias coupling to the magnetic Co layer. Physical Review B, 2012, 85, .	1.1	17
48	Applying Large-Area Molecular Technology to Improve Magnetoresistive Performance of Hybrid Molecular Spin Valves. Applied Physics Express, 2012, 5, 063006.	1.1	1
49	Extending the Control of Antiferromagnetic-Ferromagnetic Exchange Coupling on Perpendicular Magnetization into the Soft Magnetic Regime. Applied Physics Express, 2012, 5, 063008.	1.1	6
50	Flipping magnetization induced by noncollinear ferromagnetic-antiferromagnetic exchange coupling. Physical Review B, 2012, 85, .	1.1	12
51	Depth Profiling Photoelectron-Spectroscopic Study of an Organic Spin Valve with a Plasma-Modified Pentacene Spacer. Journal of Physical Chemistry C, 2012, 116, 21157-21161.	1.5	11
52	Direct probing of density of states of reduced graphene oxides in a wide voltage range by tunneling junction. Applied Physics Letters, 2012, 101, .	1.5	7
53	Nano Approach Investigation of the Conduction Mechanism in Polyaniline Nanofibers. ACS Nano, 2011, 5, 1541-1548.	7.3	70
54	Organic spin valves with inelastic tunneling characteristics. Physical Review B, 2011, 83, .	1.1	27

#	ARTICLE	IF	CITATIONS
55	Driving magnetization perpendicular by antiferromagnetic-ferromagnetic exchange coupling. Physical Review B, 2011, 83, .	1.1	33
56	Coverage dependence of magnetic domain structure and magnetic anisotropy in supported Fe nanoparticles on Al ₂ O ₃ /NiAl(100). Journal of Applied Physics, 2010, 108, 034312.	1.1	5
57	In situ magnetization switching of magnetic probes applied to spin-polarized scanning tunneling microscopy. Applied Physics Letters, 2010, 96, 142515.	1.5	10
58	Extraction of the tunnel magnetocapacitance with two-terminal measurements. Journal of Applied Physics, 2010, 107, .	1.1	15
59	Investigation of Jahn-Teller splitting with $\text{L}_{2,3}$ x-ray absorption spectroscopy in strained Nd _{1-x} Ca _x MnO ₃ thin films. Applied Physics Letters, 2010, 96, .	1.5	6
60	Tuning of magnetism in ferromagnetic thin films by reversing the functional groups of molecular underlayer. Applied Physics Letters, 2010, 96, 262502.	1.5	8
61	Coverage-dependent adsorption superstructure transition of C_{60} on $\text{Fe}/\text{Cu}_3\text{Au}(100)$. Physical Review B, 2010, 82, .	1.1	17
62	Nanoscale magnetic configurations of supported Fe nanoparticle assemblies studied by scanning electron microscopy with spin analysis. Physical Review B, 2009, 80, .	1.1	8
63	Superconductivity-induced magnetoresistance suppression in hybrid superconductor/magnetic tunnel junctions. Physical Review B, 2009, 79, .	1.1	6
64	X-ray photoemission study in Re _{0.7} Ca _{0.3} MnO ₃ epitaxial films. Journal of Applied Physics, 2009, 105, .	1.1	7
65	Electronically patterning through one-dimensional nanostripes with high density of states on single-crystalline Al ₂ O ₃ domain. Applied Physics Letters, 2008, 93, .	1.5	10
66	Using ring-shaped and magnetically coated tungsten wire as the probe of spin-polarized scanning tunneling microscopy. Applied Physics Letters, 2007, 91, 202507.	1.5	4
67	Enhanced chemical shift of carbon nanotube from laser assisted gas incorporation. Applied Physics Letters, 2007, 91, .	1.5	6
68	Comparison of the crystalline structure, morphology, and magnetic properties of $\text{Mn}/\text{Cu}_3\text{Au}(100)$ ultrathin films by varying the growth temperature. Physical Review B, 2007, 75, .	1.1	17
69	Enhanced exchange bias coupling in Fe/FeMn bilayer by reducing vertical lattice constants. Applied Physics Letters, 2007, 90, 052502.	1.5	10
70	Synthesis of a reusable oxotungsten-containing SBA-15 mesoporous catalyst for the organic solvent-free conversion of cyclohexene to adipic acid. Catalysis Communications, 2007, 8, 1060-1064.	1.6	54
71	Faceting and defaceting phase transitions of $\text{Pd}/\text{W}(111)$. Physical Review B, 2007, 75, .	1.1	8
72	Depth-dependent fct to fcc strain relaxation in $\text{CoNi}/\text{Cu}_3\text{Au}(100)$ alloy films. Surface Science, 2006, 600, 4517-4526.	0.8	9

#	ARTICLE	IF	CITATIONS
73	Fabrication of an ordered nanoparticle array with a nanoaperture membrane used as a contact-mask. <i>Nanotechnology</i> , 2006, 17, 315-319.	1.3	11
74	Enhanced Curie temperatures in Fe and Co magnetic nanoparticle assembly on single-crystalline $\text{Al}_2\text{O}_3/\text{NiAl}(100)$ with normal metal capping layer. <i>Applied Physics Letters</i> , 2006, 88, 153117.	1.5	25
75	Controlled growth of Co nanoparticle assembly on nanostructured template $\text{Al}_2\text{O}_3/\text{NiAl}(100)$. <i>Applied Physics Letters</i> , 2006, 89, 153111.	1.5	14
76	Structural phase diagram, magnetism, and exchange-biased behavior of Fe films on $\text{Fe}_x\text{Mn}_{1-x}/\text{Cu}(001)$. <i>Physical Review B</i> , 2006, 74, .	1.1	6
77	Field orientation dependence of magnetoresistance in spin-dependent tunnel junctions. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 896-898.	1.2	0
78	Effect of magnetic alloying on magnetic anisotropy in ultrathin fcc Ni-like films. <i>Surface Science</i> , 2005, 576, 76-82.	0.8	5
79	Growth, structure, and magnetism of β -phase Mn ultrathin films on $\text{Cu}_3\text{Au}(100)$. <i>Journal of Applied Physics</i> , 2005, 97, 10K112.	1.1	5
80	Self-aligned Co nanoparticle chains supported by single-crystalline $\text{Al}_2\text{O}_3/\text{NiAl}(100)$ template. <i>Applied Physics Letters</i> , 2005, 86, 043105.	1.5	34
81	Stress and structure of $c(2\sqrt{2}) \times d(2\sqrt{2}) \text{Mn}/\text{Cu}(001)$ surface alloys. <i>Physical Review B</i> , 2005, 71, .	1.1	19
82	Long-range ordered nanoaperture array with uniform diameter and interpore spacing. <i>Applied Physics Letters</i> , 2005, 87, 173116.	1.5	20
83	Large spin effects in Coulomb blockade of $\text{Fe}/\text{MgO}/\text{Fe}$ tunnel junctions. <i>Physical Review B</i> , 2005, 72, .	1.1	5
84	Alloying and strain relaxation effects on spin-reorientation transitions in $\text{Co}_x\text{Ni}_{1-x}/\text{Cu}_3\text{Au}(100)$ ultrathin films. <i>Physical Review B</i> , 2005, 71, .	1.1	24
85	Coercivity enhancement near blocking temperature in exchange biased $\text{Fe}/\text{Fe}_x\text{Mn}_{1-x}$ films on $\text{Cu}(001)$. <i>Journal of Applied Physics</i> , 2004, 95, 7297-7299.	1.1	18
86	Self-Limiting Size Distribution of Supported Cobalt Nanoclusters at Room Temperature. <i>Physical Review Letters</i> , 2003, 90, 185506.	2.9	43
87	Publisher's Note: Self-Limiting Size Distribution of Supported Cobalt Nanoclusters at Room Temperature [<i>Phys. Rev. Lett.</i> 90, 185506 (2003)]. <i>Physical Review Letters</i> , 2003, 90, .	2.9	0
88	Critical angle for irreversible switching of the exchange-bias direction in $\text{NiO}/\text{Cu}/\text{Ni}_{81}\text{Fe}_{19}$ films. <i>Physical Review B</i> , 2003, 67, .	1.1	10
89	Stress oscillations and surface alloy formation during the growth of FeMn on $\text{Cu}(001)$. <i>Physical Review B</i> , 2003, 68, .	1.1	21
90	Exchange bias in $\text{Co}/\text{Fe}/\text{Fe}_x\text{Mn}_{1-x}/\text{Cu}(100)$ ultrathin films. <i>Journal of Applied Physics</i> , 2003, 93, 8743-8745.	1.1	10

#	ARTICLE	IF	CITATIONS
91	Interface characterization and thermal stability of Co/Al ₂ O ₃ /CoFe spin-dependent tunnel junctions. Journal of Applied Physics, 2002, 91, 7475.	1.1	9
92	Comparative study of the d-band filling effect on the magnetic behavior of Co _x Ni _{1-x} and Fe _x Ni _{1-x} ultrathin films on Cu(100). Journal of Applied Physics, 2002, 91, 7185.	1.1	8
93	Thermal stability study of the insulator layer in NiFe/CoFe/Al ₂ O ₃ /Co spin-dependent tunnel junction. Journal of Magnetism and Magnetic Materials, 2002, 239, 116-119.	1.0	4
94	Anomalous temperature-driven magnetization switching in Co _x Ni _{1-x} /Cu(100) binary alloy films. Journal of Magnetism and Magnetic Materials, 2002, 239, 298-300.	1.0	2
95	Theoretical studies of oscillatory behavior for long-range exchange bias. Journal of Magnetism and Magnetic Materials, 2002, 239, 57-59.	1.0	7
96	Magnetic domain imaging of exchange bias system NiO/Cu/NiFe by Kerr microscopy. Journal of Magnetism and Magnetic Materials, 2002, 239, 375-377.	1.0	3
97	Long-range exchange bias through a metal spacer. Journal of Magnetism and Magnetic Materials, 2002, 240, 264-266.	1.0	5
98	Dramatic depression of Curie temperature for magnetic Co/Cu() ultrathin films upon deposition at elevated temperature. Surface Science, 2002, 520, 121-127.	0.8	13
99	Thermally assisted oscillatory interlayer exchange bias coupling. Physical Review B, 2001, 63, .	1.1	33
100	Morphology of ultrathin Ag films grown on Mo(111). Surface Science, 2001, 478, 145-168.	0.8	10
101	Growth, crystalline structure and magnetic properties of ultrathin alloy films Co _x Ni _{1-x} /Cu(100). Surface Science, 2001, 478, 9-17.	0.8	34
102	Enhanced magneto-optical effect due to interface alloy formation in Co/Pt (111) ultrathin films upon thermal annealing. Applied Surface Science, 2001, 169-170, 231-235.	3.1	7
103	Long magnetic relaxation time of Fe/Bi spin-glass system. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 502-504.	1.0	9
104	Effect of growth temperature on Curie temperature of magnetic ultrathin films Co/Cu(100). Journal of Applied Physics, 2001, 89, 7153-7155.	1.1	7
105	Electronic structure of epitaxial Ni _x Pd _{1-x} alloy films on Cu ₃ Au(100). Journal of Applied Physics, 2001, 89, 6892-6894.	1.1	2
106	Spin-reorientation transition in magnetic alloy films Co _x Ni _{1-x} /Cu(100). Journal of Applied Physics, 2001, 89, 7139-7141.	1.1	11
107	Magnetoresistance of spin-dependent tunnel junctions with composite electrodes. Journal of Applied Physics, 2001, 90, 6222-6225.	1.1	7
108	Temperature-dependence of interlayer exchange bias coupling in NiO/Cu/NiFe. Journal of Applied Physics, 2001, 89, 7540-7542.	1.1	9

#	ARTICLE	IF	CITATIONS
109	Annealing effects on magneto-optical Kerr effect and magnetic anisotropy in ultrathin Co films on Pt(111). Journal of Magnetism and Magnetic Materials, 2000, 209, 211-213.	1.0	6
110	Growth and magnetic properties of thin epitaxial $\text{Ni}_x\text{Pd}_{1-x}$ alloy films on $\text{Cu}_3\text{Au}(100)$. Journal of Applied Physics, 2000, 87, 5762-5764.	1.1	12
111	Critical evolution of spin-reorientation transition in magnetic $\text{Co}_x\text{Ni}_{1-x}/\text{Cu}(100)$ films upon precise variation of d-band filling. Physical Review B, 2000, 62, 14268-14272.	1.1	36
112	Giant enhancement of magneto-optical response and increase in perpendicular magnetic anisotropy of ultrathin Co/Pt(111) films upon thermal annealing. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 3045-3050.	0.9	9
113	Effect of biquadratic exchange coupling on magnetoresistance and magnetization process in magnetic bilayer systems. Journal of Applied Physics, 1999, 85, 4430-4432.	1.1	6
114	Hysteretic behavior of magnetic particles with dipole interaction. Journal of Applied Physics, 1999, 85, 5558-5560.	1.1	19
115	Ferromagnetic behavior of a triplet superconductor. Journal of Applied Physics, 1999, 85, 6064-6066.	1.1	0
116	Growth, morphology, and crystalline structure of ultrathin Fe films on $\text{Cu}_3\text{Au}(100)$. Surface Science, 1998, 410, 290-311.	0.8	45
117	Magnetic dichroism study of the valence-band structure of perpendicularly magnetized Co/Cu(111). Physical Review B, 1998, 57, 5340-5346.	1.1	12
118	Artificially ordered FeCu alloy superlattices on Cu(001). II. Spin-resolved electronic properties and magnetic dichroism. Physical Review B, 1998, 58, 8556-8565.	1.1	25
119	Composition-driven spin-reorientation transition in ferromagnetic alloy films. Physical Review B, 1998, 57, R3209-R3212.	1.1	53
120	Structural transformation and spin-reorientation transition in epitaxial Fe/ $\text{Cu}_3\text{Au}(100)$ ultrathin films. Physical Review B, 1997, 55, 5886-5897.	1.1	69
121	Magnetic dichroism in UV photoemission at off-normal emission: Study of the valence bands. Physical Review B, 1997, 55, 2594-2599.	1.1	23
122	Direct evidence for complete antiferromagnetic coupling between Co films epitaxially grown on Cu(111). Journal of Applied Physics, 1997, 81, 1000-1002.	1.0	16
123	Annealing effect on morphology and magnetism of ultrathin films of Fe and Ni on Cu(100). Journal of Magnetism and Magnetic Materials, 1996, 156, 104-106.	1.0	18
124	Comparison of magnetism and morphology of ultrathin Fe films on Cu(100) and $\text{Cu}_3\text{Au}(100)$. Thin Solid Films, 1996, 275, 99-102.	0.8	5
125	Detailed studies of a high-density polarized hydrogen gas target for storage rings. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 368, 293-306.	0.7	23
126	Angle-resolved study of magnetic dichroism in photoemission using linearly polarized light. Physical Review B, 1995, 51, 609-612.	1.1	52

#	ARTICLE	IF	CITATIONS
127	Perpendicular anisotropy and spin reorientation in epitaxial Fe/Cu ₃ Au(100) thin films. Physical Review B, 1995, 51, 12563-12578.	1.1	61
128	Spin-resolved substrate band mapping in Fe/Cu(100): Application of the spin-filter effect. Physical Review B, 1995, 51, 12627-12632.	1.1	13