

# Chi Wah Leung

## List of Publications by Year in descending order

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188  
papers

4,078  
citations

117625

34  
h-index

144013

57  
g-index

190  
all docs

190  
docs citations

190  
times ranked

6572  
citing authors

#	ARTICLE	IF	CITATIONS
1	The attachment of Fe <sub>3</sub> O <sub>4</sub> nanoparticles to graphene oxide by covalent bonding. Carbon, 2010, 48, 3139-3144.	10.3	428
2	Charge accumulation induced S-shape J-V curves in bilayer heterojunction organic solar cells. Organic Electronics, 2011, 12, 880-885.	2.6	139
3	Magnetoresistive Sensor Development Roadmap (Non-Recording Applications). IEEE Transactions on Magnetics, 2019, 55, 1-30.	2.1	138
4	A Polyferroplatinyne Precursor for the Rapid Fabrication of L1 <sub>0</sub> -FePt-type Bit Patterned Media by Nanoimprint Lithography. Advanced Materials, 2012, 24, 1034-1040.	21.0	134
5	Effect of synthesis conditions on the properties of citric-acid coated iron oxide nanoparticles. Microelectronic Engineering, 2013, 110, 329-334.	2.4	127
6	Thermal tuning of phononic bandstructure in ferroelectric ceramic/epoxy phononic crystal. Applied Physics Letters, 2009, 94, .	3.3	100
7	Enhanced charge extraction in organic solar cells through electron accumulation effects induced by metal nanoparticles. Energy and Environmental Science, 2013, 6, 3372.	30.8	95
8	Effect of the magnetic order on the room-temperature band-gap of Mn-doped ZnO thin films. Applied Physics Letters, 2013, 102, .	3.3	91
9	Controllable Josephson current through a pseudospin-valve structure. Applied Physics Letters, 2004, 84, 1153-1155.	3.3	90
10	Epitaxial and oriented YMnO <sub>3</sub> film growth by pulsed laser deposition. Journal of Crystal Growth, 2004, 267, 548-553.	1.5	83
11	Studies of Rare-Earth-Doped BiFeO <sub>3</sub> Ceramics. International Journal of Applied Ceramic Technology, 2011, 8, 1246-1253.	2.1	80
12	High Dynamic Range Organic Temperature Sensor. Advanced Materials, 2013, 25, 1291-1295.	21.0	68
13	Controllable synthesis of nickel nanowires and its application in high sensitivity, stretchable strain sensor for body motion sensing. Journal of Materials Chemistry C, 2018, 6, 4737-4745.	5.5	61
14	Observation of Room-Temperature Magnetoresistance in Monolayer MoS <sub>2</sub> by Ferromagnetic Gating. ACS Nano, 2017, 11, 6950-6958.	14.6	59
15	Enhanced memory effect in organic transistor by embedded silver nanoparticles. Organic Electronics, 2010, 11, 990-995.	2.6	58
16	ITO/Au/ITO Sandwich Structure for Near-Infrared Plasmonics. ACS Applied Materials & Interfaces, 2014, 6, 15743-15752.	8.0	58
17	High-quality all-oxide Schottky junctions fabricated on heavily doped Nb: SrTiO <sub>3</sub> substrates. Physical Review B, 2007, 76, .	3.2	53
18	Facile Generation of L1 <sub>0</sub> -FePt Nanodot Arrays from a Nanopatterned Metallopolymer Blend of Iron and Platinum Homopolymers. Advanced Functional Materials, 2014, 24, 857-862.	14.9	53

#	ARTICLE	IF	CITATIONS
19	Formation of core/shell structured cobalt/carbon nanoparticles by pulsed laser ablation in toluene. <i>Journal of Applied Physics</i> , 2010, 108, 034304.	2.5	51
20	Semitransparent organic solar cells with hybrid monolayer graphene/metal grid as top electrodes. <i>Applied Physics Letters</i> , 2013, 102, 113303.	3.3	49
21	Exchange Bias and Blocking Temperature in Co/FeMn/CuNi Trilayers. <i>Physical Review Letters</i> , 2007, 98, 217202.	7.8	48
22	One-dimensional tunable ferroelectric photonic crystals based on Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> /MgO multilayer thin films. <i>Journal of Applied Physics</i> , 2008, 103, 083107.	2.5	48
23	Polarization-independent efficiency enhancement of organic solar cells by using 3-dimensional plasmonic electrode. <i>Applied Physics Letters</i> , 2013, 102, 153304.	3.3	48
24	Metallopolymer precursors to L1 <sub>0</sub> -CoPt nanoparticles: synthesis, characterization, nanopatterning and potential application. <i>Nanoscale</i> , 2016, 8, 7068-7074.	5.6	46
25	Patterning of L1 <sub>0</sub> -FePt nanoparticles with ultra-high coercivity for bit-patterned media. <i>Nanoscale</i> , 2017, 9, 731-738.	5.6	45
26	Proximity and Josephson effects in superconductor/antiferromagnetic Nb/Fe <sub>50</sub> Mn <sub>50</sub> heterostructures. <i>Physical Review B</i> , 2003, 68, .	3.2	44
27	Nonvolatile organic transistor-memory devices using various thicknesses of silver nanoparticle layers. <i>Applied Physics Letters</i> , 2010, 97, 023511.	3.3	42
28	Investigation of pyrolysis temperature in the one-step synthesis of L1 <sub>0</sub> -FePt nanoparticles from a FePt-containing metallopolymer. <i>Journal of Materials Chemistry C</i> , 2015, 3, 734-741.	5.5	42
29	Thermal Redistribution of Exciton Population in Monolayer Transition Metal Dichalcogenides Probed with Plasmon-Exciton Coupling Spectroscopy. <i>ACS Photonics</i> , 2019, 6, 411-421.	6.6	42
30	Comparative <i>In Vitro</i> Cytotoxicity Study on Uncoated Magnetic Nanoparticles: Effects on Cell Viability, Cell Morphology, and Cellular Uptake. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 9010-9017.	0.9	41
31	Magnetically assembled iron oxide nanoparticle coatings and their integration with pseudo-spin-valve thin films. <i>Journal of Materials Chemistry C</i> , 2017, 5, 252-263.	5.5	40
32	Understanding the formation of ultrafine spinel CoFe <sub>2</sub> O <sub>4</sub> nanoplatelets and their magnetic properties. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	39
33	Studies of wall painting fragments from Kaiping Diaolou by SEM/EDX, micro Raman and FT-IR spectroscopy. <i>Microchemical Journal</i> , 2010, 96, 330-336.	4.5	38
34	Porphyrim-based metallopolymers: synthesis, characterization and pyrolytic study for the generation of magnetic metal nanoparticles. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5010-5018.	5.5	37
35	Perpendicular magnetic anisotropy and structural properties of NiCu/Cu multilayers. <i>Journal of Applied Physics</i> , 2004, 96, 512-518.	2.5	34
36	Nanopatterned L1 <sub>0</sub> -FePt nanoparticles from single-source metallopolymer precursors for potential application in ferromagnetic bit-patterned media magnetic recording. <i>Polymer Chemistry</i> , 2016, 7, 4467-4475.	3.9	34

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37	Magnetic-Assisted Transparent and Flexible Percolative Composite for Highly Sensitive Piezoresistive Sensor via Hot Embossing Technology. ACS Applied Materials & Interfaces, 2019, 11, 48331-48340.	8.0	33
38	Study of optical Tamm states based on the phase properties of one-dimensional photonic crystals. Optics Express, 2012, 20, 21618.	3.4	32
39	Non-volatile, electric control of magnetism in Mn-substituted ZnO. Applied Physics Letters, 2014, 104, .	3.3	32
40	Observable Two-Step Nucleation Mechanism in Solid-State Formation of Tungsten Carbide. ACS Nano, 2019, 13, 681-688.	14.6	32
41	Liver cancer immunoassay with magnetic nanoparticles and MgO-based magnetic tunnel junction sensors. Journal of Applied Physics, 2012, 111, .	2.5	31
42	Self-assembled thin films of Fe <sub>3</sub> O <sub>4</sub> -Ag composite nanoparticles for spintronic applications. Applied Surface Science, 2017, 419, 692-696.	6.1	31
43	A ferroelectric relaxor polymer-enhanced p-type WSe <sub>2</sub> transistor. Nanoscale, 2018, 10, 1727-1734.	5.6	31
44	Detection of 10-nm Superparamagnetic Iron Oxide Nanoparticles Using Exchange-Biased GMR Sensors in Wheatstone Bridge. IEEE Transactions on Magnetics, 2013, 49, 4056-4059.	2.1	30
45	Sterilization on dextran-coated iron oxide nanoparticles: Effects of autoclaving, filtration, UV irradiation, and ethanol treatment. Microelectronic Engineering, 2013, 111, 310-313.	2.4	29
46	Nonvolatile multilevel memory effect by resistive switching in manganite thin films. Journal of Applied Physics, 2008, 104, .	2.5	28
47	Atomic-Scale Mechanism on Nucleation and Growth of Mo <sub>2</sub> C Nanoparticles Revealed by in Situ Transmission Electron Microscopy. Nano Letters, 2016, 16, 7875-7881.	9.1	28
48	Lithographic patterning of ferromagnetic FePt nanoparticles from a single-source bimetallic precursor containing hemipharmidic structure for magnetic data recording media. Science China Materials, 2019, 62, 566-576.	6.3	28
49	Non-volatile, reversible switching of the magnetic moment in Mn-doped ZnO films. Journal of Applied Physics, 2013, 113, .	2.5	26
50	Magnetism as a probe of the origin of memristive switching in p-type antiferromagnetic NiO. Applied Physics Letters, 2013, 103, 223508.	3.3	25
51	Magnetic-Field-Assisted Assembly of Anisotropic Superstructures by Iron Oxide Nanoparticles and Their Enhanced Magnetism. Nanoscale Research Letters, 2016, 11, 189.	5.7	25
52	Plasmonic Nanocavity Induced Coupling and Boost of Dark Excitons in Monolayer WSe <sub>2</sub> at Room Temperature. Nano Letters, 2022, 22, 1915-1921.	9.1	25
53	Low-field Switching Four-state Nonvolatile Memory Based on Multiferroic Tunnel Junctions. Scientific Reports, 2015, 5, 12826.	3.3	24
54	Controlling the exchange interaction using the spin-flip transition of antiferromagnetic spins in Ni <sub>81</sub> Fe <sub>19</sub> Fe <sub>2</sub> O <sub>3</sub> . Physical Review B, 2005, 71, .	3.2	23

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55	Unification of bulk and interface electroresistive switching in oxide systems. <i>Physical Review B</i> , 2008, 77, .	3.2	23
56	Composition dependence of structural and optical properties of Ba(Zrx,Ti1-x)O3 thin films grown on MgO substrates by pulsed laser deposition. <i>Thin Solid Films</i> , 2011, 519, 6313-6318.	1.8	23
57	Low power flexible organic thin film transistors with amorphous Ba0.7Sr0.3TiO3 gate dielectric grown by pulsed laser deposition at low temperature. <i>Organic Electronics</i> , 2012, 13, 1223-1228.	2.6	22
58	Patterning of FePt for magnetic recording. <i>Thin Solid Films</i> , 2011, 519, 8307-8311.	1.8	21
59	Interaction between exchange-bias systems in Ni80Fe20•Fe50Mn50•Cotrilayers. <i>Physical Review B</i> , 2005, 72, .	3.2	20
60	Ferromagnetism in Ti-doped ZnO thin films. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	20
61	Anomalous Hall effect in Pt/Tb3Fe5O12 heterostructure: Effect of compensation point. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 468, 235-240.	2.3	20
62	CoFe<sub>2</sub>O<sub>4</sub> Nanoparticle-Integrated Spin-Valve Thin Films Prepared by Interfacial Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22508-22516.	3.1	19
63	Exchange bias effects of NiFe/NiO bilayers through ion-beam bombardment on the NiO surface. <i>Surface and Coatings Technology</i> , 2013, 228, S437-S441.	4.8	18
64	A UV-ozone treated amorphous barium•strontium titanate dielectric thin film for low driving voltage flexible organic transistors. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3825.	5.5	18
65	Impedance analysis of secondary phases in a Co-implanted ZnO single crystal. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16030-16038.	2.8	18
66	Universal time relaxation behavior of the exchange bias in ferromagnetic/antiferromagnetic bilayers. <i>Journal of Applied Physics</i> , 2006, 99, 033910.	2.5	17
67	Effect of Thickness on the Optical and Electrical Properties of ITO/Au/ITO Sandwich Structures. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 13437-13446.	8.0	17
68	Thermal annealing and temperature dependences of memory effect in organic memory transistor. <i>Applied Physics Letters</i> , 2011, 99, 043303.	3.3	16
69	Tuning ferromagnetic properties of LaMnO3 films by oxygen vacancies and strain. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 481, 85-92.	2.3	16
70	Controlled performance of an organic transistor memory device with an ultrathin LiF blocking layer. <i>RSC Advances</i> , 2012, 2, 9100.	3.6	15
71	Experimental investigation of photonic band gap in one-dimensional photonic crystals with metamaterials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 1396-1400.	2.1	15
72	One-pot synthesis of ferromagnetic FePd nanoparticles from single-source organometallic precursors and size effect of metal fraction in polymer chain. <i>Journal of Organometallic Chemistry</i> , 2017, 849-850, 10-16.	1.8	15

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73	Plasmon-Induced Optical Magnetism in an Ultrathin Metal Nanosphere-Based Dimer-Film Nanocavity. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000068.	8.7	15
74	High-Temperature Anomalous Hall Effect in a Transition Metal Dichalcogenide Ferromagnetic Insulator Heterostructure. <i>ACS Nano</i> , 2020, 14, 7077-7084.	14.6	15
75	Short circuit current improvement in planar heterojunction organic solar cells by multijunction charge transfer. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	14
76	Raman studies of MoS <sub>2</sub> under strain at different uniaxial directions. <i>Vacuum</i> , 2018, 153, 274-276.	3.5	14
77	Interaction between ferromagnetic/antiferromagnetic systems across a common antiferromagnetic spacer. <i>Journal of Applied Physics</i> , 2003, 94, 7373-7375.	2.5	13
78	A study of conventional top spin valve structure through the built-up samples technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 269, 15-29.	2.3	13
79	Fabrication of nano-scaled patterns on ceramic thin films and silicon substrates by soft ultraviolet nanoimprint lithography. <i>Microelectronic Engineering</i> , 2010, 87, 959-962.	2.4	13
80	Synthesis and Characterization of Self-Assembled Monolayer and Bilayer Carboxyl-Group Functionalized Magnetic Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 3299-3302.	2.1	13
81	Three-dimensional macroporous graphene monoliths with entrapped MoS <sub>2</sub> nanoflakes from single-step synthesis for high-performance sodium-ion batteries. <i>RSC Advances</i> , 2018, 8, 2477-2484.	3.6	13
82	Patterning micro- and nano-structured FePt by direct imprint lithography. <i>Microelectronic Engineering</i> , 2013, 110, 192-197.	2.4	12
83	Chemical states and ferromagnetism in heavily Mn-substituted zinc oxide thin films. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	12
84	WS <sub>2</sub> nanotube formation by sulphurization: Effect of precursor tungsten film thickness and stress. <i>Materials Chemistry and Physics</i> , 2016, 181, 352-358.	4.0	12
85	In situ fabrication of a cross-bridge Kelvin resistor structure by focused ion beam microscopy. <i>Nanotechnology</i> , 2004, 15, 786-789.	2.6	11
86	Nonlithographic Fabrication of Crystalline Silicon Nanodots on Graphene. <i>Journal of Physical Chemistry C</i> , 2012, 116, 532-537.	3.1	11
87	Characterization and bio-binding ability study on size-controllable highly monodisperse magnetic nanoparticles. <i>Microelectronic Engineering</i> , 2015, 144, 61-67.	2.4	11
88	Effect of post-annealing on sputtered MoS <sub>2</sub> films. <i>Solid-State Electronics</i> , 2017, 138, 62-65.	1.4	10
89	Spin-Valve Junction With Transfer-Free MoS <sub>2</sub> Spacer Prepared by Sputtering. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-5.	2.1	10
90	Rectify Effect of Pedot:PSS/WS <sub>2</sub> Heterostructure. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800829.	1.8	10

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91	Effect of post-annealing on laser-ablation deposited WS <sub>2</sub> thin films. <i>Vacuum</i> , 2018, 152, 239-242.	3.5	9
92	<i>In Situ</i> Observation of Ice Formation from Water Vapor by Environmental SEM. <i>Crystal Growth and Design</i> , 2018, 18, 6602-6608.	3.0	9
93	Visualization of Bubble Nucleation and Growth Confined in 2D Flakes. <i>Small</i> , 2021, 17, e2103301.	10.0	9
94	Identification of pigments from the Shrine of Kaiping Diaolou by micro-Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1311-1316.	2.5	8
95	Transient Sensitivity of Sectorial Split-Drain Magnetic Field-Effect Transistor. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 4048-4051.	2.1	8
96	Synthesis and Characterization of Silica-Encapsulated Iron Oxide Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	8
97	Microstructural and magnetic characterization of ion-beam bombarded [Ni <sub>80</sub> Fe <sub>20</sub> -Cr] <sub>50</sub> thin films. <i>Vacuum</i> , 2015, 118, 85-89.	3.5	8
98	Synthesis and controlled morphology of Ni@Ag core shell nanowires with excellent catalytic efficiency and recyclability. <i>Nanotechnology</i> , 2019, 30, 385603.	2.6	8
99	Tunable piezoresistivity of low percolation threshold micro-nickel wires/PDMS conductive composite regulated by magnetic field. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5908-5919.	5.5	8
100	Current-perpendicular-to-plane giant magnetoresistance in submicron pseudo-spin-valve devices. <i>Physical Review B</i> , 2005, 72, .	3.2	7
101	Magnetoresistance of spin valve structures based on the full Heusler alloy Co <sub>2</sub> MnSi. <i>Journal of Applied Physics</i> , 2006, 100, 013910.	2.5	7
102	Multiple-mode excitation in spin-transfer nanocontacts with dynamic polarizer. <i>Applied Physics Letters</i> , 2011, 98, 242506.	3.3	7
103	Investigation of interface states in single-negative metamaterial layered structures based on the phase properties. <i>Optics Express</i> , 2013, 21, 16742.	3.4	7
104	Exchange bias study of sub-100 nm-diameter CoFeB/IrMn antidot and nanodot arrays fabricated by nanosphere lithography. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 2709-2714.	2.1	7
105	Percolative multi-susceptible PVDF/NZFO composite films with triply controlled high dielectric and magnetic properties. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	7
106	Magnetism of Iron Oxide Nanoparticles and Magnetic Biodetection. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2013, 8, 397-414.	0.5	7
107	Modulation of the dc Josephson current in pseudo-spin-valve Josephson multilayers. <i>Superconductor Science and Technology</i> , 2005, 18, 921-926.	3.5	6
108	Interfacial defects in resistive switching devices probed by thermal analysis. <i>Journal of Applied Physics</i> , 2009, 106, 014504.	2.5	6

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109	Transfer imprint lithography using a soft mold. <i>Microelectronic Engineering</i> , 2011, 88, 2632-2635.	2.4	6
110	Large-Area Anodized Alumina Nanopore Arrays Assisted by Soft Ultraviolet Nanoimprint Prepatterning. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 6315-6320.	0.9	6
111	Thermal tuning of surface plasmon resonance: Ag gratings on barium strontium titanate thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 107, 101-107.	2.3	6
112	Effect of annealing temperature on microstructure and magnetism of FePt/TaOx bilayer. <i>Microelectronic Engineering</i> , 2013, 110, 241-245.	2.4	6
113	Magnetoresistance of Manganite-Cobalt Ferrite Spacerless Junctions. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	6
114	Enhanced tunability of electrical and magnetic properties in (La,Sr)MnO <sub>3</sub> thin films via field-assisted oxygen vacancy modulation. <i>Solid-State Electronics</i> , 2017, 138, 56-61.	1.4	6
115	Multistep nucleation visualized during solid-state crystallization. <i>Materials Horizons</i> , 2022, 9, 1670-1678.	12.2	6
116	Controlling the exchange interaction using the spin-flip transition of antiferromagnetic spins in Ni <sub>81</sub> Fe <sub>19</sub> ±-Fe <sub>2</sub> O <sub>3</sub> . <i>Journal of Applied Physics</i> , 2005, 97, 10K101.	2.5	5
117	Spacerless metal-manganite pseudo-spin-valve structure. <i>Journal of Applied Physics</i> , 2008, 103, 103903.	2.5	5
118	Detection of Iron-Oxide Magnetic Nanoparticles Using Magnetic Tunnel Junction Sensors With Conetic Alloy. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 2577-2580.	2.1	5
119	Quantitative analysis of hepatic cell morphology and migration in response to nanoporous and microgrooved surface structures. <i>Microelectronic Engineering</i> , 2013, 111, 396-403.	2.4	5
120	Split-Drain Magnetic Field-Effect Transistor Channel Charge Trapping and Stress Induced Sensitivity Deterioration. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	5
121	Facile fabrication of highly ordered poly(vinylidene fluoride-trifluoroethylene) nanodot arrays for organic ferroelectric memory. <i>Journal of Applied Physics</i> , 2016, 119, 014104.	2.5	5
122	Magnetism as a tool for band-gap narrowing of zinc oxide films prepared by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 77, 240-243.	2.4	5
123	Photo-induced anomalous Hall effect in nickel thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 485, 82-84.	2.3	5
124	Exchange bias effect in epitaxial La <sub>0.35</sub> Sr <sub>0.65</sub> MnO <sub>3</sub> /La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> bilayers: Impact of antiferromagnet growth conditions. <i>Vacuum</i> , 2020, 175, 109280.	3.5	5
125	In situ magnetoresistance measurements during patterning of spin valve devices. <i>Journal of Applied Physics</i> , 2002, 91, 8575.	2.5	4
126	Spin Valve Josephson Junctions. <i>IEEE Transactions on Applied Superconductivity</i> , 2005, 15, 908-911.	1.7	4



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127	Resistance switching properties of epitaxial Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> thin films with different electrodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2182-2186.	1.8	4
128	Photonic gap vanishing in one-dimensional photonic crystals with single-negative metamaterials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 2465-2470.	2.1	4
129	Time-variant 1D photonic crystals using flowing microdroplets. <i>Optics Express</i> , 2012, 20, 24330.	3.4	4
130	Effect of Oxygen Stoichiometry on Microstructural and Magnetic Properties of FePt/TaO <sub>x</sub> Bilayer Fabricated by Ion-Beam-Bombardment Deposition. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 3310-3313.	2.1	4
131	Enhanced structural and magnetic ordering of FePt/TiO <sub>x</sub> bilayers by ion-beam deposition and annealing. <i>Microelectronic Engineering</i> , 2013, 110, 250-255.	2.4	4
132	Influence of LaNiO <sub>3</sub> Buffer Layer on the Magnetic Properties of Thin Perovskite Manganites. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	4
133	Modulating Magnetism in Ferroelectric Polymer-Gated Perovskite Manganite Films with Moderate Gate Pulse Chains. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 56541-56548.	8.0	4
134	Control of the switching properties of magnetic thin films and spin valve devices by patterning. <i>IEEE Transactions on Magnetics</i> , 2001, 37, 2079-2081.	2.1	3
135	Development of structural, magnetic, and transport properties in NiFe/Co-based top spin valve: Studies by sequential addition of constituent layers. <i>Journal of Applied Physics</i> , 2002, 91, 8572.	2.5	3
136	Transport properties of Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> /Nb:SrTiO <sub>3</sub> heterojunctions. <i>Physica B: Condensed Matter</i> , 2011, 406, 3104-3107.	2.7	3
137	Oxygen-stoichiometry-dependent microstructural and magnetic properties of CoPt thin films capped with ion-beam-assisted deposited TiO <sub>x</sub> layers. <i>Surface and Coatings Technology</i> , 2013, 228, S354-S359.	4.8	3
138	Resistive Switching in Perovskite-Oxide Capacitor-Type Devices. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	3
139	Enhanced Anomalous Hall Effect in Pt/CoO Heterostructures by Ferrimagnetic Insulator Gating. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1099-1104.	4.3	3
140	Fabrication and Characterization of Epitaxial Gd-Doped SBN Thin Films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800660.	1.8	3
141	Probing electron transport in plasmonic molecular junctions with two-photon luminescence spectroscopy. <i>Nanophotonics</i> , 2021, 10, 2467-2479.	6.0	3
142	Effect of Post Annealing on La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Thin Films. <i>Acta Physica Polonica A</i> , 2007, 111, 117-122.	0.5	3
143	A dielectric binary mixture formula with an interaction term. <i>Journal of Materials Science</i> , 1998, 33, 5163-5167.	3.7	2
144	Photonic crystal cavity embedded barium strontium titanate thin-film rib waveguide prepared by focused ion beam etching. <i>Thin Solid Films</i> , 2010, 518, e101-e103.	1.8	2

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145	Pressure effect on the Raman and photoluminescence spectra of Eu <sup>3+</sup> -doped Na <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> nanorods. High Pressure Research, 2013, 33, 734-744.	1.2	2
146	Influence of center fractal patterns on the transmission spectrum and electric field intensity enhancement in gold/glass plasmonic nanostructures. Microelectronic Engineering, 2014, 119, 79-82.	2.4	2
147	Growth and characterization of nonpolar, heavily Mn-substituted ZnO films. Journal of Applied Physics, 2014, 115, 17D703.	2.5	2
148	Thermal stability of sectorial split-drain magnetic field-effect transistors. Microelectronics Reliability, 2014, 54, 1115-1118.	1.7	2
149	Reduced magnetic coercivity and switching field in NiFeCuMo/Ru/NiFeCuMo synthetic-ferrimagnetic nanodots. Applied Surface Science, 2017, 410, 479-484.	6.1	2
150	Spin-valve junction with transfer-free MoS <sub>2</sub> /Pt spacer prepared by sputtering. , 2017, , .		2
151	Structural, magnetic and transport properties of fully epitaxial LaMnO <sub>3</sub> /LaAlO <sub>3</sub> multilayers. Materials Letters, 2017, 205, 230-232.	2.6	2
152	Edge decoration of MoS <sub>2</sub> monolayer with ferromagnetic CoFe nanoparticles. Materials Research Express, 2018, 5, 115010.	1.6	2
153	Observation of Interfacial Antiferromagnetic Coupling Between Ferrimagnetic Garnet Thin Films. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	2
154	Upside-Down Molding Approach for Geometrical Parameter-Tunable Photonic Perovskite Nanostructures. ACS Applied Materials & Interfaces, 2021, 13, 27313-27322.	8.0	2
155	Strain dependent structure and anomalous Hall effect in Pt/Tb <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> /Ga <sub>3</sub> Gd <sub>5</sub> O <sub>12</sub> heterostructure grown on Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> substrates. Journal of Magnetism and Magnetic Materials, 2021, 536, 168130.	2.3	2
156	Comparison of topotactic and magnetic structures for manganite oxide films. Ceramics International, 2022, 48, 12515-12519.	4.8	2
157	Strontium titanate/silicon-based terahertz photonic crystal multilayer stack. Applied Physics A: Materials Science and Processing, 2012, 107, 109-115.	2.3	1
158	TEMPORAL MODULATION OF LIGHT INTENSITY VIA 1D TIME-VARIANT PHOTONIC CRYSTAL STRUCTURE. Progress in Electromagnetics Research, 2013, 135, 627-639.	4.4	1
159	Nanostructured Iron-Doped Indium Tin Oxide Films: Synthesis and Characterization. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	1
160	Effect of Synthesis Conditions on Physiochemical Properties of Lauric Acid Coated Superparamagnetic Iron Oxide Nanoparticles. IEEE Transactions on Magnetics, 2015, 51, 1-5.	2.1	1
161	A numerical investigation on effects of lateral Si/SiO <sub>2</sub> interface traps on magnetic sensitivity of sectorial SD-MAGFET. , 2016, , .		1
162	Magnetotransport properties of Ca <sub>0.8</sub> La <sub>0.2</sub> IrO <sub>3</sub> epitaxial films. Materials Letters, 2018, 213, 135-137.	2.6	1

#	ARTICLE	IF	CITATIONS
163	Gate-Controlled Transport Properties in Dilute Magnetic Semiconductor (Zn, Mn)O Thin Films. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	1
164	Visualization of Bubble Nucleation and Growth Confined in 2D Flakes (Small 39/2021). Small, 2021, 17, 2170205.	10.0	1
165	Hierarchical Nanoporous Alumina by Soft Ultraviolet Nanoimprint Prepatterning-Assisted Anodization. Journal of Nanoengineering and Nanomanufacturing, 2013, 3, 126-130.	0.3	1
166	Remote-controlled optics experiment for supporting senior high school and undergraduate teaching. , 2017, , .		1
167	Flipped-classroom with interactive videos in first year undergraduate physics course in Hong Kong. , 2019, , .		1
168	Giant-Magnetoresistive/Superconducting Contacts and Josephson Junction Devices. IEEE Transactions on Applied Superconductivity, 2005, 15, 904-907.	1.7	0
169	(Ba,Sr)TiO <sub>3</sub> -based planar photonic bandgap crystal. Proceedings of SPIE, 2007, , .	0.8	0
170	Theoretical study of ferroelectric barium-strontium-titanate-based one-dimensional tunable photonic crystals. , 2007, , .		0
171	Tunable ferroelectric photonic crystals based on Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> /MgO multilayer thin films. , 2007, , .		0
172	Study of Coercivity-enhanced Ruthenium-doped La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> Thin Films for Pseudo Spin Valve Devices. Materials Research Society Symposia Proceedings, 2008, 1074, 1.	0.1	0
173	All wavelengths and directions hybrid-guidance photonic crystal fiber and its property of Bragg grating resonance. Applied Optics, 2009, 48, 2468.	2.1	0
174	Interfacial nature of resistive switching effect in perovskite-oxide thin film devices. , 2010, , .		0
175	Feature development on prepatterned elastomer surfaces upon ion implantation. Microelectronic Engineering, 2013, 110, 346-349.	2.4	0
176	Capacitance effect on the oscillation and switching characteristics of spin torque oscillators. Nanoscale Research Letters, 2014, 9, 597.	5.7	0
177	Investigating the Uneven Current Injection in Perovskite-Based Thin Film Bipolar Resistance Switching Devices by Thermal Imaging. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	0
178	Synthesis and Morphology Control of Gold/Iron Oxide Magnetic Nanocomposites via a Simple Aqueous Method. IEEE Transactions on Magnetics, 2014, 50, 1-5.	2.1	0
179	Novel Hybrid $\text{Au}/\text{Fe}_3\text{O}_4$ Magnetic Octahedron-like Nanoparticles with Tunable Size. IEEE Transactions on Magnetics, 2014, 50, 1-5.	2.1	0
180	Elimination of hysteresis effect in superparamagnetic nanoparticle detection by GMR sensors for biosensing. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
181	Reduced magnetic coercivity and switching field in conetic-alloy-based synthetic-ferrimagnetic nanodots. , 2016, , .		0
182	Exchange bias study of CoFeB/IrMn antidot and nanodot arrays fabricated by nanosphere lithography. , 2016, , .		0
183	Ni antidot structure via single-step anodization of Al/Ni films. Solid-State Electronics, 2017, 138, 73-78.	1.4	0
184	The fabrication of large-area and uniform bilayer MoS2 thin films. , 2017, , .		0
185	Interfacial Tm <sup>3+</sup> moment-driven anomalous Hall effect in Pt/Tm <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> heterostructure. Journal of Magnetism and Magnetic Materials, 2020, 501, 166454.	2.3	0
186	Modulating Antiferromagnetic La <sub>0.35</sub> Sr <sub>0.65</sub> MnO <sub>3</sub> via Low-Voltage Pulsing Across a Ferroelectric Copolymer Gate Dielectric. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	0
187	Observation of a plasmon induced magnetic resonance in a gold sphere dimer-on-film nanocavity. , 2018, , .		0
188	The Effectiveness of Data Augmentation of SEM Images on a Small Database Based on Deep-Learning Intelligence. Brazilian Journal of Physics, 2022, 52, 1.	1.4	0