

Ho Nyung Lee

List of Publications by Year in descending order

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240
papers

10,492
citations

36203

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250
all docs

250
docs citations

250
times ranked

11609
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Realization of Ohmic and Schottky Interfaces for Oxide Electronics. <i>Small Science</i> , 2022, 2, 2100087.	5.8	6
2	Reversible Hydrogen-Induced Phase Transformations in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Thin Films Characterized by In Situ Neutron Reflectometry. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10898-10906.	4.0	10
3	Optical properties and characterization of oxide thin films and heterostructures. , 2022, , 401-448.		1
4	Tunable Ferromagnetism in LaCoO_3 Epitaxial Thin Films. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	4
5	Atomic Structure of the Initial Nucleation Layer in Hexagonal Perovskite BaRuO_3 Thin Films. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100023.	1.9	1
6	Post-synthesis control of Berry phase driven magnetotransport in SrRuO_3 thin films. <i>Physical Review B</i> , 2021, 103, .		1
7	Hund's superconductor $\text{Li}(\text{Fe},\text{Co})\text{As}$. <i>Physical Review B</i> , 2021, 103, .	1.1	2
8	Epitaxial Stabilization of Metastable 3C BaRuO_3 Thin Film with Ferromagnetic Non-Fermi Liquid Phase. <i>Advanced Electronic Materials</i> , 2021, 7, 2001111.	2.6	7
9	Twin-Domain Formation in Epitaxial Triangular Lattice Delafossites. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22059-22064.	4.0	7
10	Hexagonal Perovskites: Atomic Structure of the Initial Nucleation Layer in Hexagonal Perovskite BaRuO_3 Thin Films (Adv. Mater. Interfaces 7/2021). <i>Advanced Materials Interfaces</i> , 2021, 8, 2170037.	1.9	0
11	Strain-driven autonomous control of cation distribution for artificial ferroelectrics. <i>Science Advances</i> , 2021, 7, .	4.7	5
12	Strain-Induced Atomic-Scale Building Blocks for Ferromagnetism in Epitaxial LaCoO_3 . <i>Nano Letters</i> , 2021, 21, 4006-4012.	4.5	15
13	Observation of a chiral wave function in the twofold-degenerate quadruple Weyl system BaPtGe . <i>Physical Review B</i> , 2021, 103, .	1.1	10
14	Giant phonon anomalies in the proximate Kitaev quantum spin liquid $\hat{\text{I}}\text{-RuCl}_3$. <i>Nature Communications</i> , 2021, 12, 3513.	5.8	20
15	van der Waals Epitaxy Growth of Bi_2Se_3 on a Freestanding Monolayer Graphene Membrane: Implications for Layered Materials and Heterostructures. <i>ACS Applied Nano Materials</i> , 2021, 4, 7607-7613.	2.4	0
16	A STEM/EELS study of interfaces in delafossite-based quantum heterostructures. <i>Microscopy and Microanalysis</i> , 2021, 27, 1208-1209.	0.2	0
17	Correlated oxide Dirac semimetal in the extreme quantum limit. <i>Science Advances</i> , 2021, 7, eabf9631.	4.7	19
18	Effects of Sn substitution in SrRuO_3 epitaxial films. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	4

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37	Tuning the interfacial spin-orbit coupling with ferroelectricity. Nature Communications, 2020, 11, 2627.	5.8	19
38	Thickness and strain dependence of piezoelectric coefficient in BaTiO_3 thin films. Physical Review Materials, 2020, 4, .	0.9	15
39	Adsorption-controlled growth of MnTe by molecular beam epitaxy exhibiting stoichiometry-controlled magnetism. Physical Review Materials, 2020, 4, .	0.9	15
40	Binary Oxide Superlattices: Versatile Tunability of the Metal Insulator Transition in $(\text{TiO})_2(\text{VO})_2$ Superlattices (Adv.) Tj ETQq0 0.8 rgBT / Overlock 10	0.8	0
41	VO_2 thin films. Physical Review B, 2019, 100, .	1.1	9
42	<i>In operando</i> studies of CO oxidation on epitaxial $\text{SrCoO}_{2.5}$ thin films. APL Materials, 2019, 7, .	2.2	5
43	Nonvolatile Multilevel States in Multiferroic Tunnel Junctions. Physical Review Applied, 2019, 12, .	1.5	11
44	Competing phases in epitaxial vanadium dioxide at nanoscale. APL Materials, 2019, 7, .	2.2	8
45	Experimental setup combining <i>in situ</i> hard X-ray photoelectron spectroscopy and real-time surface X-ray diffraction for characterizing atomic and electronic structure evolution during complex oxide heterostructure growth. Review of Scientific Instruments, 2019, 90, 093902.	0.6	12
46	Metal-insulator transition in (111) SrRuO_3 ultrathin films. APL Materials, 2019, 7, 091106.	2.2	15
47	Exploiting Symmetry Mismatch to Control Magnetism in a Ferroelastic Heterostructure. Physical Review Letters, 2019, 122, 187202.	2.9	27
48	Pulsed-laser epitaxy of topological insulator Bi_2Te_3 thin films. APL Materials, 2019, 7, .	2.2	24
49	Nanoscale ferroelastic twins formed in strained LaCoO_3 films. Science Advances, 2019, 5, eaav5050.	4.7	48
50	Large orbital polarization in nickelate-cuprate heterostructures by dimensional control of oxygen coordination. Nature Communications, 2019, 10, 589.	5.8	37
51	Room-Temperature Ferromagnetic Insulating State in Cation-Ordered Double-Perovskite $\text{Sr}_2\text{Fe}_{1+x}\text{Re}_{1-x}\text{O}_6$ Films. Advanced Materials, 2019, 31, e1805389.	1.1	21
52	Ionic Gating of Ultrathin and Leaky Ferroelectrics. Advanced Materials Interfaces, 2019, 6, 1801723.	1.9	8
53	Switchable orbital polarization and magnetization in strained LaCoO_3 films. Physical Review Materials, 2019, 3, .	0.9	28
54	Growth of metallic delafossite PdCo_2O_7 by molecular beam epitaxy. Physical Review Materials, 2019, 3, .	0.9	35

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55	Structural, electronic, and magnetic properties of bulk and epitaxial LaCoO_3 through diffusion Monte Carlo. Physical Review Materials, 2019, 3, .	0.9	13
56	Room-temperature relaxor ferroelectricity and photovoltaic effects in tin titanate directly deposited on a silicon substrate. Physical Review B, 2018, 97, .	1.1	28
57	Oxygen Diode Formed in Nickelate Heterostructures by Chemical Potential Mismatch. Advanced Materials, 2018, 30, e1705904.	11.1	40
58	Strain control of oxygen kinetics in the Ruddlesden-Popper oxide $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$. Nature Communications, 2018, 9, 92.	5.8	38
59	Direct Probing of Polarization Charge at Nanoscale Level. Advanced Materials, 2018, 30, 1703675.	11.1	23
60	Temporal and thermal evolutions of surface Sr-segregation in pristine and atomic layer deposition modified $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_3$ epitaxial films. Journal of Materials Chemistry A, 2018, 6, 24378-24388.	5.2	26
61	Helical magnetism in Sr-doped $\text{CaMn}_7\text{O}_{12}$ films. Physical Review B, 2018, 98, .	1.1	2
62	Removal of the Magnetic Dead Layer by Geometric Design. Advanced Functional Materials, 2018, 28, 1800922.	7.8	21
63	Electrochemically Triggered Metal-Insulator Transition between VO_2 and V_2O_5 . Advanced Functional Materials, 2018, 28, 1803024.	7.8	46
64	CO_2 Reactivity on Cobalt-Based Perovskites. Journal of Physical Chemistry C, 2018, 122, 20391-20401.	1.5	18
65	Nanoscale Control of Oxygen Defects and Metal-Insulator Transition in Epitaxial Vanadium Dioxides. ACS Nano, 2018, 12, 7159-7166.	7.3	41
66	Electronic structure of negative charge transfer across the metal-insulator transition. Physical Review Materials, 2018, 2, .	0.9	18
67	Single-crystal high entropy perovskite oxide epitaxial films. Physical Review Materials, 2018, 2, .	0.9	102
68	Surface reconstructions and modified surface states in LaMnO_3 . Physical Review Materials, 2018, 2, .	0.9	7
69	Surface reconstruction and modified surface states in BiFeO_3 . Physical Review Materials, 2018, 2, .	0.9	7
70	Nonequilibrium Synthesis of Highly Porous Single-Crystalline Oxide Nanostructures. Advanced Materials Interfaces, 2017, 4, 1601034.	1.9	6
71	Reversible Control of Interfacial Magnetism through Ionic-Liquid-Assisted Polarization Switching. Nano Letters, 2017, 17, 1665-1669.	4.5	28
72	Charge Transfer in Iridate-Manganite Superlattices. Nano Letters, 2017, 17, 2126-2130.	4.5	53

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73	Persistent Electrochemical Performance in Epitaxial VO ₂ (B). Nano Letters, 2017, 17, 2229-2233.	4.5	41
74	Spatially Resolved Large Magnetization in Ultrathin BiFeO ₃ . Advanced Materials, 2017, 29, 1700790.	11.1	29
75	Orientation Control of Interfacial Magnetism at La _{0.67} Sr _{0.33} MnO ₃ /SrTiO ₃ Interfaces. ACS Applied Materials & Interfaces, 2017, 9, 19307-19312.	4.0	26
76	Absolute Molecular Orientation of Isopropanol at Ceria (100) Surfaces: Insight into Catalytic Selectivity from the Interfacial Structure. Journal of Physical Chemistry C, 2017, 121, 14137-14146.	1.5	18
77	Taming interfacial electronic properties of platinum nanoparticles on vacancy-abundant boron nitride nanosheets for enhanced catalysis. Nature Communications, 2017, 8, 15291.	5.8	200
78	Highly insulating ferromagnetic cobaltite heterostructures. Current Applied Physics, 2017, 17, 722-726.	1.1	7
79	Kinetically Controlled Fabrication of Single-Crystalline TiO ₂ Nanobrush Architectures with High Energy {001} Facets. Advanced Science, 2017, 4, 1700045.	5.6	5
80	Stretching Epitaxial La _{0.6} Sr _{0.4} CoO ₃ for Fast Oxygen Reduction. Journal of Physical Chemistry C, 2017, 121, 25651-25658.	1.5	38
81	Effect of chemical pressure on the electronic phase transition in Ca _{1-x} Sr _x Mn ₇ O ₁₂ films. APL Materials, 2017, 5, 096105.	2.2	9
82	Insight into the Selectivity of Isopropanol Conversion at Strontium Titanate (100) Surfaces: A Combination Kinetic and Spectroscopic Study. ACS Catalysis, 2017, 7, 8118-8129.	5.5	19
83	Design Synthesis of Nitrogen-Doped TiO ₂ @Carbon Nanosheets toward Selective Nitroaromatics Reduction under Mild Conditions. ACS Catalysis, 2017, 7, 6991-6998.	5.5	31
84	Electronic and magnetic properties of epitaxial SrRhO ₃ films. Physical Review B, 2017, 95, .	1.1	6
85	Growth of electronically distinct manganite thin films by modulating cation stoichiometry. Applied Physics Letters, 2017, 110, 261601.	1.5	4
86	Strongly Coupled Magnetic and Electronic Transitions in Multivalent Strontium Cobaltites. Scientific Reports, 2017, 7, 16066.	1.6	13
87	Strain coupling of oxygen non-stoichiometry in perovskite thin films. Journal of Physics Condensed Matter, 2017, 29, 493001.	0.7	60
88	Controlling Oxygen Mobility in Ruddlesden-Popper Oxides. Materials, 2017, 10, 368.	1.3	108
89	Oxide Epitaxy with Large Symmetry Mismatch: Bronze-phase VO ₂ on SrTiO ₃ . Microscopy and Microanalysis, 2017, 23, 1580-1581.	0.2	1
90	Growth control of oxygen stoichiometry in homoepitaxial SrTiO ₃ films by pulsed laser epitaxy in high vacuum. Scientific Reports, 2016, 6, 19941.	1.6	75

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91	Enhanced metallic properties of SrRuO ₃ thin films via kinetically controlled pulsed laser epitaxy. Applied Physics Letters, 2016, 109, .	1.5	18
92	Atomically flat reconstructed rutile TiO ₂ (001) surfaces for oxide film growth. Applied Physics Letters, 2016, 108, .	1.5	11
93	Ferroelectric-like hysteresis loop originated from non-ferroelectric effects. Applied Physics Letters, 2016, 109, .	1.5	32
94	Nanoscale self-templating for oxide epitaxy with large symmetry mismatch. Scientific Reports, 2016, 6, 38168.	1.6	18
95	Epitaxial Growth of Intermetallic MnPt Films on Oxides and Large Exchange Bias. Advanced Materials, 2016, 28, 118-123.	11.1	24
96	Perovskite: Strain Control of Oxygen Vacancies in Epitaxial Strontium Cobaltite Films (Adv. Funct.) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	7.8	10
97	Symmetry-Driven Atomic Rearrangement at a Brownmillerite-Perovskite Interface. Advanced Electronic Materials, 2016, 2, 1500201.	2.6	23
98	Ferromagnetism: Epitaxial Growth of Intermetallic MnPt Films on Oxides and Large Exchange Bias (Adv. Mater. 1/2016). Advanced Materials, 2016, 28, 204-204.	11.1	0
99	Strain Control of Oxygen Vacancies in Epitaxial Strontium Cobaltite Films. Advanced Functional Materials, 2016, 26, 1564-1570.	7.8	199
100	Enhancing interfacial magnetization with a ferroelectric. Physical Review B, 2016, 94, .	1.1	34
101	Multimodal Responses of Self-Organized Circuitry in Electronically Phase Separated Materials. Advanced Electronic Materials, 2016, 2, 1600189.	2.6	3
102	Full Electroresistance Modulation in a Mixed-Phase Metallic Alloy. Physical Review Letters, 2016, 116, 097203.	2.9	88
103	Stabilization of Highly Polar BiFeO_3 -Like Structure: A New Interface Design Route for Enhanced Ferroelectricity in Artificial Perovskite Superlattices. Physical Review X, 2016, 6, .	2.8	16
104	Publisher's Note: Stabilization of Highly Polar BiFeO_3 -Like Structure: A New Interface Design Route for Enhanced Ferroelectricity in Artificial Perovskite Superlattices [Phys. Rev. X6, 011027 (2016)]. Physical Review X, 2016, 6, .	2.8	0
105	Controlling Octahedral Rotations in a Perovskite via Strain Doping. Scientific Reports, 2016, 6, 26491.	1.6	50
106	Epitaxial stabilization and phase instability of VO ₂ polymorphs. Scientific Reports, 2016, 6, 19621.	1.6	114
107	Dynamic Scaling and Island Growth Kinetics in Pulsed Laser Deposition of SrTiO_3 . Physical Review Letters, 2016, 117, 206102.	2.9	17
108	Emerging magnetism and anomalous Hall effect in iridate-manganite heterostructures. Nature Communications, 2016, 7, 12721.	5.8	123

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109	Evidence for impact ionization in vanadium dioxide. <i>Physical Review B</i> , 2016, 94, .	1.1	12
110	Valence-state reflectometry of complex oxide heterointerfaces. <i>Npj Quantum Materials</i> , 2016, 1, .	1.8	23
111	Enhancing Perovskite Electrocatalysis through Strain Tuning of the Oxygen Deficiency. <i>Journal of the American Chemical Society</i> , 2016, 138, 7252-7255.	6.6	214
112	Growth Mode Transition in Complex Oxide Heteroepitaxy: Atomically Resolved Studies. <i>Crystal Growth and Design</i> , 2016, 16, 2708-2716.	1.4	13
113	Kinetics of Oxygen Surface Exchange on Epitaxial Ruddlesden-Popper Phases and Correlations to First-Principles Descriptors. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 244-249.	2.1	54
114	Enhanced Bifunctional Oxygen Catalysis in Strained LaNiO_3 Perovskites. <i>Journal of the American Chemical Society</i> , 2016, 138, 2488-2491.	6.6	310
115	Near-Ambient Pressure XPS of High-Temperature Surface Chemistry in $\text{Sr}_2\text{Co}_2\text{O}_5$ Thin Films. <i>Topics in Catalysis</i> , 2016, 59, 574-582.	1.3	29
116	Determination of ferroelectric contributions to electromechanical response by frequency dependent piezoresponse force microscopy. <i>Scientific Reports</i> , 2016, 6, 30579.	1.6	37
117	Structural and magnetic phase transitions in $\text{Bi}_4\text{T}_2\text{O}_{10}$	1.1	17
118	Structural and magnetic phase transitions in CeCu_6		

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127	Structural instability of the CoO ₄ tetrahedral chain in SrCoO ₃ δ thin films. Journal of Applied Physics, 2015, 118, .	1.1	17
128	Octahedral rotations in strained LaAlO ₃ /SrTiO ₃ (001) heterostructures. APL Materials, 2014, 2, 021102.	2.2	47
129	Growth control of the oxidation state in vanadium oxide thin films. Applied Physics Letters, 2014, 105, .	1.5	61
130	Ground-state and spin-wave dynamics in Brownmillerite SrCoO _{2.5} a combined hybrid functional and LSDA + <i>U</i> study. Journal of Physics Condensed Matter, 2014, 26, 036004.	0.7	13
131	Thermoelectrics: Thermopower Enhancement by Fractional Layer Control in 2D Oxide Superlattices (Adv. Mater. 39/2014). Advanced Materials, 2014, 26, 6799-6799.	11.1	0
132	Oxygen diffusion pathways in brownmillerite SrCoO _{2.5} : Influence of structure and chemical potential. Journal of Chemical Physics, 2014, 141, 084710.	1.2	64
133	Active control of magnetoresistance of organic spin valves using ferroelectricity. Nature Communications, 2014, 5, 4396.	5.8	51
134	Thermopower Enhancement by Fractional Layer Control in 2D Oxide Superlattices. Advanced Materials, 2014, 26, 6701-6705.	11.1	27
135	Nanoscale Spin-State Ordering in LaCoO ₃ Epitaxial Thin Films. Chemistry of Materials, 2014, 26, 2496-2501.	3.2	74
136	Transparent conducting oxides: A δ -doped superlattice approach. Scientific Reports, 2014, 4, 6021.	1.6	11
137	Dimensionality Control of d-orbital Occupation in Oxide Superlattices. Scientific Reports, 2014, 4, 6124.	1.6	28
138	Reversible redox reactions in an epitaxially stabilized SrCoO _x oxygen sponge. Nature Materials, 2013, 12, 1057-1063.	13.3	349
139	Direct observation of asymmetric domain wall motion in a ferroelectric capacitor. Acta Materialia, 2013, 61, 6765-6777.	3.8	41
140	Orienting Oxygen Vacancies for Fast Catalytic Reaction. Advanced Materials, 2013, 25, 6459-6463.	11.1	96
141	Reversal of the Lattice Structure in SrCoO _x Epitaxial Thin Films Studied by Real-Time Optical Spectroscopy and First-Principles Calculations. Physical Review Letters, 2013, 111, 097401.	2.9	73
142	Room-Temperature Multiferroic Hexagonal LuFeO ₃ Films. Physical Review Letters, 2013, 110, 237601.	2.9	195
143	Tunneling Electroresistance Induced by Interfacial Phase Transitions in Ultrathin Oxide Heterostructures. Nano Letters, 2013, 13, 5837-5843.	4.5	115
144	Oxygen-Vacancy-Induced Orbital Reconstruction of Ti Ions at the Interface of LaAlO ₃ A Resonant Soft-X-Ray Scattering Study. Physical Review Letters, 2013, 110, 017401.	2.9	43

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145	Topotactic Phase Transformation of the Brownmillerite SrCoO _{2.5} to the Perovskite SrCoO ₃ . Advanced Materials, 2013, 25, 3651-3656.	11.1	208
146	Domain- and symmetry-transition origins of reduced nanosecond piezoelectricity in ferroelectric/dielectric superlattices. New Journal of Physics, 2012, 14, 013034.	1.2	5
147	Strongly coupled phase transition in ferroelectric/correlated electron oxide heterostructures. Applied Physics Letters, 2012, 101, 042902.	1.5	29
148	Atomic Layer Engineering of Perovskite Oxides for Chemically Sharp Heterointerfaces. Advanced Materials, 2012, 24, 6423-6428.	11.1	49
149	Nanoengineering: Atomic Layer Engineering of Perovskite Oxides for Chemically Sharp Heterointerfaces (Adv. Mater. 48/2012). Advanced Materials, 2012, 24, 6422-6422.	11.1	0
150	Fractionally $\hat{\Gamma}$ -Doped Oxide Superlattices for Higher Carrier Mobilities. Nano Letters, 2012, 12, 4590-4594.	4.5	36
151	High rectification and photovoltaic effect in oxide nano-junctions. New Journal of Physics, 2012, 14, 093056.	1.2	15
152	Strain-Induced Spin States in Atomically Ordered Cobaltites. Nano Letters, 2012, 12, 4966-4970.	4.5	160
153	Wide bandgap tunability in complex transition metal oxides by site-specific substitution. Nature Communications, 2012, 3, 689.	5.8	237
154	Band gap tuning in ferroelectric Bi ₄ Ti ₃ O ₁₂ by alloying with La _x Ti _{1-x} O ₃ (x=0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1). J. Appl. Phys. 115, 084105 (2014).	1.5	38
155	Multilevel Data Storage Memory Using Deterministic Polarization Control. Advanced Materials, 2012, 24, 402-406.	11.1	129
156	High-Resolution Field Effect Sensing of Ferroelectric Charges. Nano Letters, 2011, 11, 1428-1433.	4.5	38
157	Direct observation of fatigue in epitaxially grown Pb(Zr,Ti)O ₃ thin films using second harmonic piezoresponse force microscopy. Applied Physics Letters, 2011, 99, .	1.5	12
158	Nanocone Tip $\hat{\Gamma}$ Film Solar Cells with Efficient Charge Transport. Advanced Materials, 2011, 23, 4381-4385.	11.1	23
159	Charge states and magnetic ordering in LaMnO ₃ . Far-Infrared and dc magnetotransport of CaMnO ₃ . Applied Physics Letters, 2011, 99, .	1.1	41
160	Far-Infrared and dc magnetotransport of CaMnO ₃ . Applied Physics Letters, 2011, 99, .	1.1	8
161	LaMnO ₃ Thin Films Grown by Using Pulsed Laser Deposition and Their Simple Recovery to a Stoichiometric Phase by Annealing. Journal of the Korean Physical Society, 2011, 58, 569-574.	0.3	20
162	Scaling Behavior of Amplitude-dependent Ferroelectric Hysteresis Loops in an Epitaxial PbZr _{0.2} Ti _{0.8} O ₃ Thin Film. Journal of the Korean Physical Society, 2011, 58, 599-603.	0.3	1

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163	Growth control of stoichiometry in LaMnO ₃ epitaxial thin films by pulsed laser deposition. Journal of Crystal Growth, 2010, 312, 2923-2927.	0.7	35
164	Atomic-Scale Compensation Phenomena at Polar Interfaces. Physical Review Letters, 2010, 105, 197602.	2.9	146
165	Local electronic and magnetic studies of an artificial La ₂ FeCrO ₆ double perovskite. Applied Physics Letters, 2010, 97, 013105.	1.5	47
166	Charge transport and magnetization profile at the interface between the correlated metal and the antiferromagnetic insulator. Physical Review B, 2010, 82, .	1.1	54
167	Nonlinear Hall effect and multichannel conduction in LaTiO ₃ . Physical Review B, 2010, 82, .	1.1	144
168	Component-specific electromechanical response in a ferroelectric/dielectric superlattice. Physical Review B, 2010, 82, .	1.1	10
169	Optical properties of ferroelectric Bi ₄ Ti ₃ O ₁₄ . Physical Review B, 2010, 82, .	1.1	4
170	ac dynamics of ferroelectric domains from an investigation of the frequency dependence of hysteresis loops. Physical Review B, 2010, 82, .	1.1	96
171	Piezoelectricity in the Dielectric Component of Nanoscale Dielectric-Ferroelectric Superlattices. Physical Review Letters, 2010, 104, 207601.	2.9	28
172	Strain-coupled ferroelectric polarization in BaTiO ₃ /CaTiO ₃ superlattices. Applied Physics Letters, 2009, 94, .	1.5	23
173	Nonlinear Dynamics of Domain-Wall Propagation in Epitaxial Ferroelectric Thin Films. Physical Review Letters, 2009, 102, 045701.	2.9	155
174	Stability of the unswitched polarization state of ultrathin epitaxial PbZr ₂ O ₇ large electric fields. Physical Review B, 2009, 80, .	1.1	16
175	Ferroelectric phase transitions in three-component short-period superlattices studied by ultraviolet Raman spectroscopy. Journal of Applied Physics, 2009, 105, 054106.	1.1	6
176	Effects of oxygen-reducing atmosphere annealing on LaMnO ₃ epitaxial thin films. Journal Physics D: Applied Physics, 2009, 42, 165401.	1.3	41
177	Multiple conducting carriers generated in LaAlO ₃ /SrTiO ₃ heterostructures. Applied Physics Letters, 2009, 95, .	1.5	104
178	Structural Response of BaTiO ₃ /CaTiO ₃ Superlattice to Applied Electric Fields. Materials Research Society Symposia Proceedings, 2009, 1199, 18.	0.1	0
179	Simultaneous Z-Contrast/Phase Contrast Imaging of Ferroelectric Thin Films. Microscopy and Microanalysis, 2009, 15, 1464-1465.	0.2	1
180	Quantitative Analysis of Nucleation and Growth of Ferroelectric Domain in Epitaxial Pb(Zr,Ti)O ₃ Thin Films. Journal of the Korean Physical Society, 2009, 55, 820-824.	0.3	7

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181	Effect of epitaxial strain on ferroelectric polarization in multiferroic BiFeO ₃ films. Applied Physics Letters, 2008, 92, .	1.5	137
182	Domain wall motion in epitaxial Pb(Zr,Ti)O ₃ capacitors investigated by modified piezoresponse force microscopy. Applied Physics Letters, 2008, 92, .	1.5	59
183	Nonlinear Piezoelectricity in Epitaxial Ferroelectrics at High Electric Fields. Physical Review Letters, 2008, 100, 027604.	2.9	50
184	Large ferroelectric polarization in antiferromagnetic BiFe _{0.5} Cr _{0.5} O ₃ epitaxial films. Applied Physics Letters, 2007, 91, .	1.5	56
185	Suppressed Dependence of Polarization on Epitaxial Strain in Highly Polar Ferroelectrics. Physical Review Letters, 2007, 98, 217602.	2.9	146
186	Publisher's Note: Suppressed Dependence of Polarization on Epitaxial Strain in Highly Polar Ferroelectrics [Phys. Rev. Lett.98, 217602 (2007)]. Physical Review Letters, 2007, 98, .	2.9	2
187	Dynamics of Step Bunching in Heteroepitaxial Growth on Vicinal Substrates. Physical Review Letters, 2007, 99, 055503.	2.9	31
188	Measurement of optical functions of highly oriented pyrolytic graphite in the visible. Physical Review B, 2007, 76, .	1.1	70
189	Ferroelectricity in Artificial Bicolor Oxide Superlattices. Advanced Materials, 2007, 19, 2460-2464.	11.1	21
190	Optical Study of the Free-Carrier Response of LaTiO_3 . Physical Review Letters, 2007, 99, 266801.	2.9	64
191	Quantitative mapping of switching behavior in piezoresponse force microscopy. Review of Scientific Instruments, 2006, 77, 073702.	0.6	193
192	Influence of miscut Y ₂ O ₃ -stabilized ZrO ₂ substrates on the azimuthal domain structure and ferroelectric properties of epitaxial La-substituted Bi ₄ Ti ₃ O ₁₂ films. Journal of Applied Physics, 2006, 100, 064101.	1.1	6
193	Antiferroelectricity in multiferroic BiCrO ₃ epitaxial films. Applied Physics Letters, 2006, 89, 162904.	1.5	72
194	Effect of strain on structure and charge order transitions in epitaxial Bi _{0.4} Ca _{0.6} MnO ₃ films on perovskite (001) and (011) substrates. Applied Physics Letters, 2006, 88, 202503.	1.5	22
195	Spatial resolution, information limit, and contrast transfer in piezoresponse force microscopy. Nanotechnology, 2006, 17, 3400-3411.	1.3	71
196	Microstructure of (110)-oriented epitaxial SrRuO ₃ thin films grown on off-cut single crystal YSZ(100) substrates. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 118, 60-65.	1.7	6
197	Infrared spectroscopy of CaTiO ₃ , SrTiO ₃ , BaTiO ₃ , Ba _{0.5} Sr _{0.5} TiO ₃ thin films, and (BaTiO ₃) ₅ /(SrTiO ₃) ₅ superlattice grown on SrRuO ₃ /SrTiO ₃ (001) substrates. Thin Solid Films, 2005, 486, 94-97.	0.8	12
198	Strong polarization enhancement in asymmetric three-component ferroelectric superlattices. Nature, 2005, 433, 395-399.	13.7	627

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