

Hans M Christen

List of Publications by Year in descending order

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167
papers

8,616
citations

44444

50
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56606

87
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170
all docs

170
docs citations

170
times ranked

10369
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of electronic energy dissipation on strain relaxation in irradiated concentrated solid solution alloys. <i>Current Opinion in Solid State and Materials Science</i> , 2019, 23, 107-115.	5.6	25
2	Electrically reversible cracks in an intermetallic film controlled by an electric field. <i>Nature Communications</i> , 2018, 9, 41.	5.8	53
3	Atomic-Scale Mechanisms of Defect-Induced Retention Failure in Ferroelectrics. <i>Nano Letters</i> , 2017, 17, 3556-3562.	4.5	43
4	Hidden Magnetic States Emergent Under Electric Field, In A Room Temperature Composite Magnetolectric Multiferroic. <i>Scientific Reports</i> , 2017, 7, 15460.	1.6	25
5	Ferroelectric Self-Poling, Switching, and Monoclinic Domain Configuration in BiFeO ₃ Thin Films. <i>Advanced Functional Materials</i> , 2016, 26, 5166-5173.	7.8	25
6	Direct Observation of Defect Range and Evolution in Ion-Irradiated Single Crystalline Ni and Ni Binary Alloys. <i>Scientific Reports</i> , 2016, 6, 19994.	1.6	131
7	Origin of thickness dependence of structural phase transition temperatures in highly strained BiFeO ₃ thin films. <i>APL Materials</i> , 2016, 4, 036106.	2.2	7
8	Giant Controllable Magnetization Changes Induced by Structural Phase Transitions in a Metamagnetic Artificial Multiferroic. <i>Scientific Reports</i> , 2016, 6, 22708.	1.6	39
9	Epitaxial Growth of Intermetallic MnPt Films on Oxides and Large Exchange Bias. <i>Advanced Materials</i> , 2016, 28, 118-123.	11.1	24
10	Ferromagnetism: Epitaxial Growth of Intermetallic MnPt Films on Oxides and Large Exchange Bias (<i>Adv. Mater.</i> 1/2016). <i>Advanced Materials</i> , 2016, 28, 204-204.	11.1	0
11	Full Electroresistance Modulation in a Mixed-Phase Metallic Alloy. <i>Physical Review Letters</i> , 2016, 116, 097203.	2.9	88
12	Dynamic Scaling and Island Growth Kinetics in Pulsed Laser Deposition of $\text{SrTiO}_3/\text{MnO}_2$. <i>Physical Review Letters</i> , 2016, 117, 206102.	2.9	17
13	Thin Films: Understanding Strain-Induced Phase Transformations in BiFeO ₃ Thin Films (<i>Adv. Sci.</i> 8/2015). <i>Advanced Science</i> , 2015, 2, .	5.6	1
14	Understanding Strain-Induced Phase Transformations in BiFeO ₃ Thin Films. <i>Advanced Science</i> , 2015, 2, 1500041.	5.6	15
15	Large resistivity modulation in mixed-phase metallic systems. <i>Nature Communications</i> , 2015, 6, 5959.	5.8	154
16	Stoichiometry control of complex oxides by sequential pulsed-laser deposition from binary-oxide targets. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	12
17	Focused-ion-beam induced damage in thin films of complex oxide BiFeO ₃ . <i>APL Materials</i> , 2014, 2, .	2.2	15
18	Interrelation between Structure and Magnetic Properties in La _{0.5} Sr _{0.5} CoO ₃ . <i>Advanced Materials Interfaces</i> , 2014, 1, 1400203.	1.9	20

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19	Surface Strontium Segregation of Solid Oxide Fuel Cell Cathodes Proved by In Situ Depth-Resolved X-ray Absorption Spectroscopy. ECS Electrochemistry Letters, 2014, 3, F23-F26.	1.9	38
20	A complete strain-temperature phase diagram for BiFeO ₃ films on SrTiO ₃ and LaAlO ₃ (O ₁) substrates. Journal Physics D: Applied Physics, 2014, 47, 034011.	1.3	16
21	Revealing the atomic structure and strontium distribution in nanometer-thick La _{0.8} Sr _{0.2} CoO ₃ grown on (001)-oriented SrTiO ₃ . Energy and Environmental Science, 2014, 7, 1166.	15.6	45
22	Strain response of magnetic order in perovskite-type oxide films. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20120441.	1.6	10
23	Super switching and control of in-plane ferroelectric nanodomains in strained thin films. Nature Communications, 2014, 5, 4415.	5.8	87
24	Smooth cubic commensurate oxides on gallium nitride. Journal of Applied Physics, 2014, 115, .	1.1	9
25	Anomalous Interface and Surface Strontium Segregation in (La _{1-x} Sr _x) ₂ CoO ₄ /La _{1-x} Sr _x Heterostructured Thin Films. Journal of Physical Chemistry Letters, 2014, 5, 1027-1034.	1.3	10
26	Strain And Symmetry-induced Structural Transitions in Ultra-thin BiFeO ₃ Films. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1610-C1610.	0.0	0
27	In Situ Ambient Pressure X-ray Photoelectron Spectroscopy of Cobalt Perovskite Surfaces under Cathodic Polarization at High Temperatures. Journal of Physical Chemistry C, 2013, 117, 16087-16094.	1.5	89
28	In Situ Studies of the Temperature-Dependent Surface Structure and Chemistry of Single-Crystalline (001)-Oriented La _{0.8} Sr _{0.2} CoO ₃ Perovskite Thin Films. Journal of Physical Chemistry Letters, 2013, 4, 1512-1518.	2.1	52
29	Tuning the Spin State in LaCoO ₃ Thin Films for Enhanced High-Temperature Oxygen Electrocatalysis. Journal of Physical Chemistry Letters, 2013, 4, 2493-2499.	2.1	64
30	Nanoscale Probing of Voltage Activated Oxygen Reduction/Evolution Reactions in Nanopatterned (La _x Sr _{1-x})CoO ₃ Cathodes. Advanced Energy Materials, 2013, 3, 788-797.	10.2	19
31	Phase Transitions, Phase Coexistence, and Piezoelectric Switching Behavior in Highly Strained BiFeO ₃ Films. Advanced Materials, 2013, 25, 5561-5567.	11.1	84
32	Infrared anomalous Hall effect in Ca _x Sr _{1-x} RuO ₃ films. Physical Review B, 2013, 88, .	1.1	4
33	Probing Bias-Dependent Electrochemical Gas-Solid Reactions in (La _x Sr _{1-x})CoO ₃ Cathode Materials. Advanced Functional Materials, 2013, 23, 5027-5036.	7.8	9
34	Strain Influence on the Oxygen Electrocatalysis of the (100)-Oriented Epitaxial La ₂ NiO ₄ Thin Films at Elevated Temperatures. Journal of Physical Chemistry C, 2013, 117, 18789-18795.	1.5	48
35	Spatially Resolved Mapping of Oxygen Reduction/Evolution Reaction on Solid-Oxide Fuel Cell Cathodes with Sub-10 nm Resolution. ACS Nano, 2013, 7, 3808-3814.	7.3	25
36	Oxygen electrocatalysis on (001)-oriented manganese perovskite films: Mn valency and charge transfer at the nanoscale. Energy and Environmental Science, 2013, 6, 1582.	15.6	146

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37	Antisite defects in La _{0.7} Sr _{0.3} MnO ₃ and La _{0.7} Sr _{0.3} FeO ₃ . Applied Physics Letters, 2013, 102, 151911.	1.5	6
38	Room-Temperature Multiferroic Hexagonal LuFeO_3 Films. Physical Review Letters, 2013, 110, 237601.	2.9	195
39	Strain-controlled switching kinetics of epitaxial PbZr _{0.52} Ti _{0.48} O ₃ films. New Journal of Physics, 2013, 15, 073021.	1.2	5
40	Magnetism of the tensile-strain-induced tetragonal state of SrRuO ₃ films. Physical Review B, 2013, 88, .	1.1	31
41	Unit cell orientation of tetragonal-like BiFeO ₃ thin films grown on highly miscut LaAlO ₃ substrates. Applied Physics Letters, 2013, 102, 221910.	1.5	10
42	Origin of Enhanced Chemical Capacitance in La _{0.8} Sr _{0.2} CoO _{3-δ} Thin Film Electrodes. Journal of the Electrochemical Society, 2013, 160, F931-F942.	1.3	20
43	Strain relaxation defects in perovskite oxide superlattices. Journal of Materials Research, 2012, 27, 1436-1444.	1.2	6
44	Surfactant assisted growth of MgO films on GaN. Applied Physics Letters, 2012, 101, 092904.	1.5	14
45	Strain dependence of transition temperatures and structural symmetry of BiFeO ₃ within the tetragonal-like structure. Applied Physics Letters, 2012, 101, .	1.5	23
46	Reversible Compositional Control of Oxide Surfaces by Electrochemical Potentials. Journal of Physical Chemistry Letters, 2012, 3, 40-44.	2.1	78
47	Oxygen Electrocatalysis on Epitaxial La _{0.6} Sr _{0.4} CoO _{3-δ} Perovskite Thin Films for Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2012, 159, F219-F225.	1.3	51
48	Probing oxygen vacancy concentration and homogeneity in solid-oxide fuel-cell cathode materials on the subunit-cell level. Nature Materials, 2012, 11, 888-894.	13.3	282
49	Water Dissociation on CeO ₂ (100) and CeO ₂ (111) Thin Films. Journal of Physical Chemistry C, 2012, 116, 19419-19428.	1.5	178
50	Antiferromagnetic transitions in tetragonal-like BiFeO ₃ . Physical Review B, 2012, 85, .	1.1	59
51	Surface strontium enrichment on highly active perovskites for oxygen electrocatalysis in solid oxide fuel cells. Energy and Environmental Science, 2012, 5, 6081.	15.6	307
52	In Situ Ambient Pressure X-ray Photoelectron Spectroscopy of Epitaxial Strontium Substituted Lanthanum Cobalt Oxides Near Operating Conditions Under Applied Potentials. ECS Meeting Abstracts, 2012, , .	0.0	0
53	Dielectric Constant Enhanced Hall Mobility in Complex Oxides. Advanced Materials, 2012, 24, 3965-3969.	11.1	24
54	Resonant x-ray reflectivity study of perovskite oxide superlattices. Applied Physics Letters, 2011, 99, 201908.	1.5	20

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55	Compositional tuning of the strain-induced structural phase transition and of ferromagnetism in $\text{Bi}_{1-x}\text{Ba}_x\text{FeO}_{3-\delta}$. Journal of Materials Research, 2011, 26, 1326-1331.	1.2	17
56	Strong strain dependence of ferroelectric coercivity in a BiFeO_3 film. Applied Physics Letters, 2011, 98, .	1.5	49
57	Correlated domain structure in perovskite oxide superlattices exhibiting spin-flop coupling. Physical Review B, 2011, 83, .	1.1	12
58	Stress-induced changes in BiFeO_3 . Physical Review B, 2011, 83, .	1.1	231
59	Enhanced oxygen reduction activity on surface-decorated perovskite thin films for solid oxide fuel cells. Energy and Environmental Science, 2011, 4, 3689.	15.6	200
60	Temperature-Driven Structural Phase Transition in Tetragonal-Like BiFeO_3 . Applied Physics Express, 2011, 4, 095801.	1.1	46
61	Quantitative determination of energy enhanced interlayer transport in pulsed laser deposition of SrTiO_3 . Physical Review B, 2011, 84, .	1.1	15
62	Magnetoelastic response of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{SrTiO}_3$ superlattices to reversible strain. Physical Review B, 2011, 84, .	1.1	31
63	Potassium tantalate substrates for neutron experiments on antiferromagnetic perovskite films. Journal of Physics: Conference Series, 2010, 251, 012021.	0.3	0
64	Applications of aberration corrected scanning transmission electron microscopy and electron energy loss spectroscopy to thin oxide films and interfaces. International Journal of Materials Research, 2010, 101, 21-26.	0.1	5
65	Anomalous Oxidation States in Multilayers for Fuel Cell Applications. Advanced Functional Materials, 2010, 20, 2664-2674.	7.8	20
66	Catalytic Activity Enhancement for Oxygen Reduction on Epitaxial Perovskite Thin Films for Solid Oxide Fuel Cells. Angewandte Chemie - International Edition, 2010, 49, 5344-5347.	7.2	133
67	Synthesis of Complex-oxide Nanorods via Pulsed-laser Deposition. Materials Research Society Symposia Proceedings, 2010, 1256, 1.	0.1	0
68	Magneto-optical properties and charge-spin coupling in the molecular $(2,3\text{-dmpyH})_2\text{CuBr}_4$ spin-ladder material. Physical Review B, 2010, 81, .	1.1	17
69	Applying uniform reversible strain to epitaxial oxide films. Applied Physics Letters, 2010, 96, .	1.5	82
70	Infrared anomalous Hall effect in SrRuO_3 . Exploring evidence for crossover to intrinsic behavior. Physical Review B, 2010, 81, .	1.1	13
71	Strain engineering to control the magnetic and magnetotransport properties of $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ thin films. Applied Physics Letters, 2010, 97, .	1.5	52
72	Wide-range strain tunability provided by epitaxial LaAlScO_3 template films. New Journal of Physics, 2010, 12, 113053.	1.2	8

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73	Oxygen Reduction Kinetics Enhancement on a Heterostructured Oxide Surface for Solid Oxide Fuel Cells. Journal of Physical Chemistry Letters, 2010, 1, 3149-3155.	2.1	136
74	Controlling the magnetic properties of LaMnO ₃ thin films on SrTiO ₃ (100) by deposition in a O ₂ /Ar gas mixture. Journal of Physics Condensed Matter, 2010, 22, 146007.	0.7	30
75	Proximity to a ferroelectric instability in Ba _{1-x} CaxZrO ₃ . Journal of Applied Physics, 2010, 108, 054105.	1.1	4
76	Structural and magnetic properties of epitaxial Fe ₂₅ Pt ₇₅ . Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2009, 27, 770-775.	0.9	12
77	Competing interactions in ferromagnetic/antiferromagnetic perovskite superlattices. Physical Review B, 2009, 80, .	1.1	41
78	Magnetic structure of La _{0.7} Sr _{0.3} MnO ₃ /La _{0.7} Sr _{0.3} FeO ₃ superlattices. Applied Physics Letters, 2009, 94, .	1.5	31
79	Characterizing the Two- and Three-Dimensional Resolution of an Improved Aberration-Corrected STEM. Microscopy and Microanalysis, 2009, 15, 441-453.	0.2	40
80	Atomic Resolution Mapping of Inequivalent O Sites in Complex Oxides. Microscopy and Microanalysis, 2009, 15, 434-435.	0.2	0
81	Interfaces in perovskite heterostructures. Applied Physics A: Materials Science and Processing, 2008, 93, 807-811.	1.1	12
82	Altering the catalytic activity of thin metal catalyst films for controlled growth of chemical vapor deposited vertically aligned carbon nanotube arrays. Applied Physics A: Materials Science and Processing, 2008, 93, 1005-1009.	1.1	8
83	Recent advances in pulsed-laser deposition of complex oxides. Journal of Physics Condensed Matter, 2008, 20, 264005.	0.7	215
84	Effect of epitaxial strain on ferroelectric polarization in multiferroic BiFeO ₃ films. Applied Physics Letters, 2008, 92, .	1.5	137
85	The effect of strain and strain symmetry on the charge-order transition in Bi _{0.4} Ca _{0.6} MnO ₃ films. Phase Transitions, 2008, 81, 717-727.	0.6	4
86	SrTiO ₃ on piezoelectric PMN-PT(001) for application of variable strain. Journal of Applied Physics, 2008, 104, 054108.	1.1	28
87	Spin correlations in the model spin chain materials $\text{V}_x\text{O}_y\text{H}_z\text{P}_w$	1.1	1
88	Chemical-order-induced magnetic exchange bias in epitaxial FePt ₃ films. Physical Review B, 2008, 77, .	1.1	14
89	$\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Formation by Processing of Laser-Ablated, Fluorine-Free Precursor Films. IEEE Transactions on Applied Superconductivity, 2007, 17, 3624-3627.	1.1	0
90	Determination of the infrared complex magnetoconductivity tensor in itinerant ferromagnets from Faraday and Kerr measurements. Physical Review B, 2007, 75, .	1.1	28

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91	Large ferroelectric polarization in antiferromagnetic BiFe _{0.5} Cr _{0.5} O ₃ epitaxial films. Applied Physics Letters, 2007, 91, .	1.5	56
92	Suppressed Dependence of Polarization on Epitaxial Strain in Highly Polar Ferroelectrics. Physical Review Letters, 2007, 98, 217602.	2.9	146
93	Composition dependence of the anomalous Hall effect in Ca _x Sr _{1-x} RuO ₃ films. Physical Review B, 2007, 76, .	1.1	16
94	Dynamics of Step Bunching in Heteroepitaxial Growth on Vicinal Substrates. Physical Review Letters, 2007, 99, 055503.	2.9	31
95	Angular distribution of ions transmitted by an anodic nanocapillary array. Journal of Physics: Conference Series, 2007, 58, 323-326.	0.3	12
96	Factors that influence particle formation during pulsed electron deposition of YBCO precursors. Physica C: Superconductivity and Its Applications, 2007, 459, 47-51.	0.6	26
97	Influence of different substrates on phase separation in La _{1-x} Pr _y CaxMnO ₃ thin films. Journal of Applied Physics, 2006, 99, 08S901.	1.1	52
98	Direct Experimental Evidence for Atomic Tunneling of Europium in Crystalline Eu ₈ Ga ₁₆ Ge ₃₀ . Physical Review Letters, 2006, 97, 017401.	2.9	70
99	Antiferroelectricity in multiferroic BiCrO ₃ epitaxial films. Applied Physics Letters, 2006, 89, 162904.	1.5	72
100	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
101	Dielectric and optical properties of epitaxial rare-earth scandate films and their crystallization behavior. Applied Physics Letters, 2006, 88, 262906.	1.5	74
102	LASER-BASED SYNTHESIS, DIAGNOSTICS, AND CONTROL OF SINGLE-WALLED CARBON NANOTUBES AND NANOHORNS FOR COMPOSITES AND BIOLOGICAL NANOVECTORS. , 2006, , 205-223.		3
103	Preliminary investigation of KTN as a surface acoustic wave infrared/thermal detector. Sensors and Actuators A: Physical, 2005, 119, 358-364.	2.0	16
104	R&D of RABiTS-based coated conductors: Conversion of ex situ YBCO superconductor using a novel pulsed electron-beam deposited precursor. Physica C: Superconductivity and Its Applications, 2005, 426-431, 878-886.	0.6	9
105	Strong polarization enhancement in asymmetric three-component ferroelectric superlattices. Nature, 2005, 433, 395-399.	13.7	627
106	Surface stability of epitaxial SrRuO ₃ films. Surface Science, 2005, 581, 118-132.	0.8	58
107	Enhancement of flux pinning and critical currents in YBa ₂ Cu ₃ O _{7-δ} films by nanoscale iridium pretreatment of substrate surfaces. Journal of Applied Physics, 2005, 98, 114309.	1.1	80
108	Persistent Step-Flow Growth of Strained Films on Vicinal Substrates. Physical Review Letters, 2005, 95, 095501.	2.9	119

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109	A laser-deposition approach to compositional-spread discovery of materials on conventional sample sizes. <i>Measurement Science and Technology</i> , 2005, 16, 21-31.	1.4	20
110	Pulsed electron deposition of fluorine-based precursors for YBa ₂ Cu ₃ O _{7-x} -coated conductors. <i>Superconductor Science and Technology</i> , 2005, 18, 1168-1175.	1.8	19
111	Progress in the deposition of MgB ₂ thin films. <i>Superconductor Science and Technology</i> , 2004, 17, S196-S201.	1.8	35
112	Superconducting gap structure and pinning in disordered MgB ₂ films. <i>Superconductor Science and Technology</i> , 2004, 17, S350-S354.	1.8	7
113	Thermal stability of epitaxial SrRuO ₃ films as a function of oxygen pressure. <i>Applied Physics Letters</i> , 2004, 84, 4107-4109.	1.5	71
114	High-throughput growth temperature optimization of ferroelectric Sr _x Ba _{1-x} Nb ₂ O ₆ epitaxial thin films using a temperature gradient method. <i>Applied Physics Letters</i> , 2004, 84, 1350-1352.	1.5	31
115	Chemical solution deposition of lanthanum zirconate barrier layers applied to low-cost coated-conductor fabrication. <i>Journal of Materials Research</i> , 2004, 19, 2117-2123.	1.2	44
116	Surface stability of epitaxial SrRuO ₃ thin films in vacuum. <i>Journal of Materials Research</i> , 2004, 19, 3447-3450.	1.2	14
117	Continuous composition-spread thin films of transition metal oxides by pulsed-laser deposition. <i>Applied Surface Science</i> , 2004, 223, 35-38.	3.1	49
118	Rapid Growth of Long, Vertically Aligned Carbon Nanotubes through Efficient Catalyst Optimization Using Metal Film Gradients. <i>Nano Letters</i> , 2004, 4, 1939-1942.	4.5	88
119	Evolution of transport and magnetic properties near the ferromagnetic quantum critical point in the series Ca _x Sr _{1-x} RuO ₃ . <i>Physical Review B</i> , 2004, 70, .	1.1	62
120	Spectroscopic Imaging of Single Atoms Within a Bulk Solid. <i>Physical Review Letters</i> , 2004, 92, 095502.	2.9	299
121	Nonlinear microwave response of an MgB ₂ thin film. <i>Superconductor Science and Technology</i> , 2004, 17, 681-684.	1.8	10
122	Solution processing of lanthanum zirconate films as single buffer layers for high J_c YBCO coated conductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2003, 13, 2658-2660.	1.1	24
123	LaMnO ₃ : a single oxide buffer layer for high- J_c YBa ₂ /Cu ₃ O//sub 7- δ coated conductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2003, 13, 2661-2664.	1.1	18
124	Ferroelectric and antiferroelectric coupling in superlattices of paraelectric perovskites at room temperature. <i>Physical Review B</i> , 2003, 68, .	1.1	72
125	Near-field microwave microscope with improved sensitivity and spatial resolution. <i>Review of Scientific Instruments</i> , 2003, 74, 3167-3170.	0.6	26
126	An improved continuous compositional-spread technique based on pulsed-laser deposition and applicable to large substrate areas. <i>Review of Scientific Instruments</i> , 2003, 74, 4058-4062.	0.6	49

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127	Direct electrical heating of metal tape substrates for coated conductor deposition. IEEE Transactions on Applied Superconductivity, 2003, 13, 2622-2624.	1.1	10
128	Growth of oxide seed layers on ni and other technologically interesting metal substrates: issues related to formation and control of sulfur superstructures for texture optimization. IEEE Transactions on Applied Superconductivity, 2003, 13, 2646-2650.	1.1	15
129	The microwave surface impedance of MgB ₂ thin films. Superconductor Science and Technology, 2003, 16, 1-6.	1.8	29
130	Lanthanum zirconate: A single buffer layer processed by solution deposition for coated conductor fabrication. Journal of Materials Research, 2002, 17, 2181-2184.	1.2	44
131	Antiferroelectric Behavior in Symmetric KNbO ₃ /KTaO ₃ Superlattices. Physical Review Letters, 2002, 88, 097601.	2.9	98
132	Microwave surface resistance of MgB ₂ . Applied Physics Letters, 2002, 80, 2347-2349.	1.5	29
133	Hydrogen-assisted pulsed-laser deposition of epitaxial CeO ₂ films on (001)InP. Applied Physics Letters, 2002, 80, 106-108.	1.5	7
134	Buried superconducting layers comprised of magnesium diboride nanocrystals formed by ion implantation. Applied Physics Letters, 2002, 80, 4786-4788.	1.5	16
135	Effective vortex pinning in MgB ₂ thin films. Superconductor Science and Technology, 2002, 15, 1392-1397.	1.8	8
136	Structure of the superconducting gap in MgB ₂ from point-contact spectroscopy. Superconductor Science and Technology, 2002, 15, 526-532.	1.8	40
137	Single buffer layers of LaMnO ₃ or La _{0.7} Sr _{0.3} MnO ₃ for the development of YBa ₂ Cu ₃ O _{7-δ} -coated conductors: A comparative study. Journal of Materials Research, 2002, 17, 2193-2196.	1.2	26
138	Epitaxial titanium diboride films grown by pulsed-laser deposition. Applied Physics Letters, 2002, 80, 1963-1965.	1.5	13
139	Growth of high current density MgB ₂ films using ex-situ precursor approach. Physica C: Superconductivity and Its Applications, 2002, 378-381, 1252-1255.	0.6	10
140	Epitaxial superlattices grown by a PLD-based continuous compositional-spread technique. Applied Surface Science, 2002, 189, 216-221.	3.1	22
141	Far-Infrared Optical Conductivity Gap in Superconducting MgB ₂ Films. Physical Review Letters, 2001, 88, 027003.	2.9	112
142	Growth mechanism of superconducting MgB ₂ films prepared by various methods. Journal of Materials Research, 2001, 16, 2759-2762.	1.2	50
143	Superconducting magnesium diboride films with T _c ≈ 24 K grown by pulsed laser deposition with in situ anneal. Physica C: Superconductivity and Its Applications, 2001, 353, 157-161.	0.6	69
144	High temperature superconducting films on flexible substrates for cryoelectronics. Physica C: Superconductivity and Its Applications, 2001, 357-360, 1368-1372.	0.6	2

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145	Degradation of superconducting properties in MgB ₂ films by exposure to water. Superconductor Science and Technology, 2001, 14, 425-428.	1.8	30
146	Superconducting MgB ₂ films via precursor postprocessing approach. Applied Physics Letters, 2001, 78, 3669-3671.	1.5	130
147	Superconducting magnesium diboride films on Si with T _c ≈ 42 K grown via vacuum annealing from stoichiometric precursors. Applied Physics Letters, 2001, 79, 2603-2605.	1.5	48
148	Continuous compositional-spread technique based on pulsed-laser deposition and applied to the growth of epitaxial films. Review of Scientific Instruments, 2001, 72, 2673-2678.	0.6	78
149	Low-loss YBa ₂ Cu ₃ O ₇ films on flexible, polycrystalline-yttria-stabilized zirconia tapes for cryoelectronic applications. Applied Physics Letters, 2001, 78, 1888-1890.	1.5	11
150	Magnetic penetration depth measurements in MgB ₂ sintered pellets and thin films. Physical Review B, 2001, 65, .	1.1	18
151	Unusual Hall effect in superconducting MgB ₂ films. Physical Review B, 2001, 64, .	1.1	48
152	Magnetically Tunable Microwave Filters based on YBCO/YIG/GGG Heterostructures. , 2000, 4, 305-310.		5
153	Title is missing!. , 2000, 4, 279-287.		11
154	Optimization of materials and design for electrically tunable microwave filters. Integrated Ferroelectrics, 1999, 24, 247-256.	0.3	2
155	Pulsed laser deposition of solid-solution films using segmented targets. Thin Solid Films, 1998, 312, 156-159.	0.8	40
156	Field-dependent dielectric permittivity of paraelectric superlattice structures. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 56, 200-203.	1.7	41
157	Epitaxial HTS thin films grown by PLD with a beam homogenizer. Applied Surface Science, 1998, 127-129, 477-480.	3.1	5
158	Growth of nonlinear optical thin films of KTa _{1-x} Nb _x O ₃ on GaAs by pulsed laser deposition for integrated optics. Applied Physics Letters, 1998, 73, 3806-3808.	1.5	28
159	Long-range ferroelectric interactions in KTaO ₃ /KNbO ₃ superlattice structures. Applied Physics Letters, 1998, 72, 2535-2537.	1.5	90
160	X-Ray Diffraction Measurement of the Effect of Layer Thickness on the Ferroelectric Transition in Epitaxial KTaO ₃ /KNbO ₃ Multilayers. Physical Review Letters, 1998, 80, 4317-4320.	2.9	164
161	Semiconducting epitaxial films of metastable SrRu _{0.5} Sn _{0.5} O ₃ grown by pulsed laser deposition. Applied Physics Letters, 1997, 70, 2147-2149.	1.5	29
162	Properties Of Cosb ₃ Films Grown by Pulsed Laser Deposition. Materials Research Society Symposia Proceedings, 1997, 478, 217.	0.1	11

#	ARTICLE	IF	CITATIONS
163	High-temperature structural behavior of SrRuO ₃ . Physica B: Condensed Matter, 1997, 241-243, 358-360.	1.3	33
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