Gertjan Koster

List of Publications by Year
in descending order

162 papers	7,712 citations	71102 41 h-index	54911 84 g-index
166 all docs	166 docs citations	166 times ranked	7159 citing authors

#	Article	IF	Citations
1	Quasi-ideal strontium titanate crystal surfaces through formation of strontium hydroxide. Applied Physics Letters, 1998, 73, 2920-2922.	3.3	661
2	Structure, physical properties, and applications of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>SrRuO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>thin films. Reviews of Modern Physics, 2012, 84, 253-298.	45.6	550
3	Origin of Charge Density atLaAlO3onSrTiO3Heterointerfaces: Possibility of Intrinsic Doping. Physical Review Letters, 2007, 98, 196802.	7.8	537
4	Polar Kerr-Effect Measurements of the High-Temperature<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Cu</mml:mi><mml:m mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>6</mml:mn><mml:mo>+</mml:mo><mml:mi>x</mml:mi></mml:mrow></m Evidence for Broken Symmetry near the Pseudogap Temperature. Physical Review Letters, 2008, 100, 127002.	7.8	331
5	Misfit strain accommodation in epitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi><mml:mi>B</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>perovsk Lattice rotations and lattice modulations. Physical Review B, 2011, 83, .	3.2	319
6	Metallic and Insulating Interfaces of Amorphous SrTiO₃-Based Oxide Heterostructures. Nano Letters, 2011, 11, 3774-3778.	9.1	304
7	Structureâ€“Property Relation of SrTiO₃/LaAlO₃ Interfaces. Advanced Materials, 2009, 21, 1665-1677.	21.0	292
8	Controlled lateral anisotropy in correlated manganite heterostructures by interface-engineered oxygen octahedral coupling. Nature Materials, 2016, 15, 425-431.	27.5	292
9	In situmonitoring during pulsed laser deposition of complex oxides using reflection high energy electron diffraction under high oxygen pressure. Applied Physics Letters, 1997, 70, 1888-1890.	3.3	242
10	Towards Oxide Electronics: a Roadmap. Applied Surface Science, 2019, 482, 1-93.	6.1	236
11	Extreme mobility enhancement ofÂtwo-dimensional electron gases at oxide interfaces byÂcharge-transfer-induced modulationÂdoping. Nature Materials, 2015, 14, 801-806.	27.5	174
12	Critical thickness for itinerant ferromagnetism in ultrathin films of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>SrRuO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2009, 79, .	3.2	170
13	Imposed layer-by-layer growth by pulsed laser interval deposition. Applied Physics Letters, 1999, 74, 3729-3731.	3.3	129
14	Strong uniaxial in-plane magnetic anisotropy of (001)- and (011)-oriented<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.67</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> films on<mml:math xmlns:. Physical Review B, 2009, 79, .	3.2	107
15	High-Temperature Magnetic Insulating Phase in Ultrathin<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>La</mml:mi><mml:mn>0.67</mml:mn></mml:msub><mml:msub><mml:mi>Sr</mml:mi><mml:mi> Physical Review Letters, 2012, 109, 157207.	7.8	106
16	Optimized fabrication of high-quality La_{0.67}Sr_{0.33}MnO₃ thin films considering all essential characteristics. Journal Physics D: Applied Physics, 2011, 44, 205001.	2.8	105
17	Room temperature epitaxial stabilization of a tetragonal phase in ARuO3 (A=Ca and Sr) thin films. Applied Physics Letters, 2008, 93, .	3.3	103
18	Dependence of the electronic structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Sr</mml:mi><mml:mi mathvariant="normal">Ru</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>and its degree of correlation on cation off-stoichiometry. Physical Review B, 2007, 76, .	3.2	102

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19	Parallel Electron-Hole Bilayer Conductivity from Electronic Interface Reconstruction. Physical Review Letters, 2010, 104, 166804.	7.8	102
20	Surface morphology determined by (001) single-crystal SrTiO3 termination. Physica C: Superconductivity and Its Applications, 2000, 339, 215-230.	1.2	90
21	Defect Engineering in Oxide Heterostructures by Enhanced Oxygen Surface Exchange. Advanced Functional Materials, 2013, 23, 5240-5248.	14.9	88
22	Spin chirality fluctuation in two-dimensional ferromagnets with perpendicular magnetic anisotropy. Nature Materials, 2019, 18, 1054-1059.	27.5	85
23	Symmetry and lattice mismatch induced strain accommodation near and away from correlated perovskite interfaces. Applied Physics Letters, 2014, 105, .	3.3	77
24	Atomically Defined Rareâ€Earth Scandate Crystal Surfaces. Advanced Functional Materials, 2010, 20, 3490-3496.	14.9	72
25	Preventing the Reconstruction of the Polar Discontinuity at Oxide Heterointerfaces. Advanced Functional Materials, 2012, 22, 2235-2240.	14.9	72
26	Hard x-ray photoemission and density functional theory study of the internal electric field in SrTiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>/LaAlO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>oxide heterostructures. Physical Review B, 2013, 87, .	3.2	64
27	Research Update: Stoichiometry controlled oxide thin film growth by pulsed laser deposition. APL Materials, 2015, 3, .	5.1	61
28	Thickness Dependent Properties in Oxide Heterostructures Driven by Structurally Induced Metalâ€“Oxygen Hybridization Variations. Advanced Functional Materials, 2017, 27, 1606717.	14.9	61
29	Electronic Reconstruction at the Isopolar<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>LaTiO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow> An X-Ray Photoemission and Density-Functional Theory Study. Physical Review Letters, 2014, 113, 237402.	7.8	56
30	Metalâ€“insulator-transition engineering by modulation tilt-control in perovskite nickelates for room temperature optical switching. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9515-9520.	7.1	56
31	Tetragonal CuO: End member of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml:math>transition metal monoxides. Physical Review B, 2009, 79, .	3.2	55
32	Epitaxial growth of oxides with pulsed laser interval deposition. Journal of Crystal Growth, 2000, 211, 98-105.	1.5	50
33	Quantum oscillations and subband properties of the two-dimensional electron gas at the LaAlO3/SrTiO3 interface. APL Materials, 2014, 2, .	5.1	50
34	Experimental investigation of electronic properties of buried heterointerfaces ofLaAlO3onSrTiO3. Physical Review B, 2007, 76, .	3.2	48
35	Influence of charge compensation mechanisms on the sheet electron density at conducting LaAlO3/SrTiO3-interfaces. Applied Physics Letters, 2012, 100, .	3.3	48
36	Functional oxide interfaces. MRS Bulletin, 2013, 38, 1017-1023.	3.5	47

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37	Quantum Anomalous Hall State in Ferromagnetic SrRuO3 (111) Bilayers. Physical Review Letters, 2017, 119, 026402.	7.8	47
38	Direct patterning of functional interfaces in oxide heterostructures. Applied Physics Letters, 2012, 100, .	3.3	45
39	Synthesis of KCa₂Nb₃O₁₀ Crystals with Varying Grain Sizes and Their Nanosheet Monolayer Films As Seed Layers for PiezoMEMS Applications. ACS Applied Materials & Interfaces, 2015, 7, 27473-27478.	8.0	45
40	Epitaxial oxide growth on polar (111) surfaces. Applied Physics Letters, 2011, 99, .	3.3	42
41	Uniaxial contribution to the magnetic anisotropy of La0.67Sr0.33MnO3 thin films induced by orthorhombic crystal structure. Journal of Magnetism and Magnetic Materials, 2011, 323, 2632-2638.	2.3	42
42	Anisotropic electrical transport properties of a two-dimensional electron gas at SrTiO3â€“LaAlO3 interfaces. Applied Physics Letters, 2011, 98, .	3.3	42
43	[illegible] display= 'inline' ><mml:msup><mml:mrow /><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>states probed by x-ray photoemission on LaAlO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>/SrTiO<mml:math [illegible]	3.2	41
44	Local Control over Nucleation of Epitaxial Thin Films by Seed Layers of Inorganic Nanosheets. ACS Applied Materials & Interfaces, 2014, 6, 2777-2785.	8.0	41
45	Highly Oriented Growth of Piezoelectric Thin Films on Silicon Using Two-Dimensional Nanosheets as Growth Template Layer. ACS Applied Materials & Interfaces, 2016, 8, 31120-31127.	8.0	41
46	Prediction of thickness limits of ideal polar ultrathin films. Physical Review B, 2012, 85, .	3.2	36
47	Domain Selectivity in BiFeO₃ Thin Films by Modified Substrate Termination. Advanced Functional Materials, 2016, 26, 2882-2889.	14.9	35
48	Influence of the surface treatment on the homoepitaxial growth of SrTiO3. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 56, 209-212.	3.5	34
49	Magnetic anisotropy and magnetization reversal of La0.67Sr0.33MnO3 thin films on SrTiO3(110). Journal of Applied Physics, 2010, 108, 103906.	2.5	33
50	Enhanced Local Magnetization by Interface Engineering in Perovskiteâ€Type Correlated Oxide Heterostructures. Advanced Materials Interfaces, 2015, 2, 1400416.	3.7	33
51	Strain-induced single-domain growth of epitaxial SrRuO3 layers on SrTiO3: A high-temperature x-ray diffraction study. Applied Physics Letters, 2007, 91, .	3.3	32
52	Interface-engineered oxygen octahedral coupling in manganite heterostructures. Applied Physics Reviews, 2017, 4, 041103.	11.3	32
53	Localized Control of Curie Temperature in Perovskite Oxide Film by Capping-Layer-Induced Octahedral Distortion. Physical Review Letters, 2017, 119, 177203.	7.8	31
54	Stabilization of phase-pure rhombohedral <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>HfZr</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> in pulsed laser deposited thin films. Physical Review Materials, 2020, 4, .	2.4	31

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55	Experimental Evidence for Oxygen Sublattice Control in Polar Infinite Layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>SrCuO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2013, 111, 096102.	7.8	28
56	Controlling Piezoelectric Responses in Pb(Zr_{0.52}Ti_{0.48})O₃ Films through Deposition Conditions and Nanosheet Buffer Layers on Glass. ACS Applied Materials & Interfaces, 2017, 9, 35947-35957.	8.0	28
57	Influence of the oxidation state of SrTiO₃ plasmas for stoichiometric growth of pulsed laser deposition films identified by laser induced fluorescence. APL Materials, 2015, 3, 106103.	5.1	26
58	Direct observation of the electronic states of photoexcited hematite with ultrafast 2p3d X-ray absorption spectroscopy and resonant inelastic X-ray scattering. Physical Chemistry Chemical Physics, 2020, 22, 2685-2692.	2.8	26
59	Longâ€Range Domain Structure and Symmetry Engineering by Interfacial Oxygen Octahedral Coupling at Heterostructure Interface. Advanced Functional Materials, 2016, 26, 6627-6634.	14.9	25
60	Enhancing the Energyâ€Storage Density and Breakdown Strength in PbZrO₃/Pb_{0.9}La_{0.1}Zr_{0.52}Ti_{0.48}O₃ Derived Antiferroelectric/Relaxorâ€Ferroelectric Multilayers. Advanced Energy Materials, 2022, 12, .	19.3	25
61	Strainâ€Engineered Metalâ€toâ€Insulator Transition and Orbital Polarization in Nickelate Superlattices Integrated on Silicon. Advanced Materials, 2020, 32, e2004995.	21.0	24
62	Spatially Controlled Octahedral Rotations and Metalâ€“Insulator Transitions in Nickelate Superlattices. Nano Letters, 2021, 21, 1295-1302.	9.1	24
63	Epitaxial ferroelectric oxides on silicon with perspectives for future device applications. APL Materials, 2021, 9, .	5.1	23
64	Imposed layer-by-layer growth with pulsed laser interval deposition. Applied Surface Science, 2000, 168, 223-226.	6.1	22
65	Epitaxial EuO thin films by pulsed laser deposition monitored by in situ x-ray photoelectron spectroscopy. Thin Solid Films, 2010, 518, 5173-5176.	1.8	22
66	Submicron patterning of epitaxial PbZr0.52Ti0.48O3 heterostructures. Applied Physics Letters, 2013, 102, .	3.3	21
67	Multistability in Bistable Ferroelectric Materials toward Adaptive Applications. Advanced Functional Materials, 2016, 26, 5748-5756.	14.9	20
68	In-situ monitoring by reflective high energy electron diffraction during pulsed laser deposition. Applied Surface Science, 1999, 138-139, 17-23.	6.1	19
69	Interfacial dielectric layer as an origin of polarization fatigue in ferroelectric capacitors. Scientific Reports, 2020, 10, 7310.	3.3	19
70	Imposed layer-by-layer growth by pulsed laser interval deposition. Applied Physics A: Materials Science and Processing, 1999, 69, S17-S22.	2.3	18
71	Magnetic domain engineering in SrRuO3 thin films. Npj Quantum Materials, 2020, 5, .	5.2	18
72	Structure of singly terminated polar DyScO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>(110) surfaces. Physical Review B, 2012, 85, .	3.2	17

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73	Properties of epitaxial, (001)- and (110)-oriented (PbMg_{1/3}Nb_{2/3}O₃)_{2/3}-(PbTiO₃)_{1/3} films on silicon described by polarization rotation. Science and Technology of Advanced Materials, 2016, 17, 45-57.	6.1	17
74	Epitaxial lift-off of freestanding (011) and (111) SrRuO3 thin films using a water sacrificial layer. Scientific Reports, 2021, 11, 12435.	3.3	17
75	In-situ growth monitoring during PLD of oxides using RHEED at high oxygen pressure. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 56, 223-227.	3.5	16
76	Anisotropic stress relief mechanism in epitaxial La0.67Sr0.33MnO3 films. Applied Physics Letters, 2009, 95, 152508.	3.3	16
77	Self-organization of SrRu03 nanowires on ordered oxide surface terminations. MRS Communications, 2011, 1, 17-21.	1.8	16
78	Epitaxy on Demand. Advanced Functional Materials, 2015, 25, 5140-5148.	14.9	16
79	Hysteretic Characteristics of Pulsed Laser Deposited 0.5Ba(Zr_{0.2}Ti_{0.8})O₃â€“0.5(Ba_{0.7}Ca_{0.3})TiO₃/ZnO Bilayers. ACS Applied Materials & Interfaces, 2018, 10, 15240-15249.	8.3	16
80	Epitaxial Stressâ€Free Growth of High Crystallinity Ferroelectric PbZr_{0.52}Ti_{0.48}O₃ on GaN/AlGaN/Si(111) Substrate. Advanced Materials Interfaces, 2018, 5, 1700921.	3.7	16
81	Growth mechanism of epitaxial YSZ on Si by Pulsed Laser Deposition. Scientific Reports, 2018, 8, 5774.	3.3	16
82	Tailoring Vanadium Dioxide Film Orientation Using Nanosheets: a Combined Microscopy, Diffraction, Transport, and Soft Xâ€Ray in Transmission Study. Advanced Functional Materials, 2020, 30, 1900028.	14.9	16
83	In-situ monitoring during pulsed laser deposition using RHEED at high pressure. Applied Surface Science, 1998, 127-129, 633-638.	6.1	15
84	Determination of the spin-flip time in ferromagnetic SrRuO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>from time-resolved Kerr measurements. Physical Review B, 2011, 83, .	3.2	15
85	A New Approach in Layer-by-layer Growth of Oxide Materials by Pulsed Laser Deposition. , 2000, 4, 311-318.		14
86	Complex plume stoichiometry during pulsed laser deposition of SrVO3 at low oxygen pressures. Applied Physics Letters, 2018, 113, .	3.3	14
87	Structure and properties of (Sr,Ca)CuO2â€“BaCuO2 superlattices grown by pulsed laser interval deposition. Physica C: Superconductivity and Its Applications, 2001, 353, 167-183.	1.2	13
88	Local probing of coupled interfaces between two-dimensional electron and hole gases in oxide heterostructures by variable-temperature scanning tunneling spectroscopy. Physical Review B, 2012, 86, .	3.2	13
89	Growth mechanism of epitaxial SrTiO₃ on a (1 Ã— 2) + (2 Ã— 1) reconstructed Sr(1/2 ML)/Si(001) surface. Journal of Materials Chemistry C, 2020, 8, 518-527.	5.5	13
90	Signatures of enhanced out-of-plane polarization in asymmetric BaTiO3 superlattices integrated on silicon. Nature Communications, 2022, 13, 265.	12.8	13

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91	In Situ Initial Growth Studies of SrTiO₃ on SrTiO₃ by Time Resolved High Pressure RHEED. Materials Research Society Symposia Proceedings, 1998, 526, 33.	0.1	12
92	High-T_csuperconducting thin films with composition control on a sub-unit cell level; the effect of the polar nature of the cuprates. Journal of Physics Condensed Matter, 2008, 20, 264007.	1.8	12
93	Dielectric-permittivity-driven charge carrier modulation at oxide interfaces. Physical Review B, 2010, 81, .	3.2	11
94	Manipulating oxygen sublattice in ultrathin cuprates: A new direction to engineer oxides. Journal of Materials Research, 2015, 30, 463-476.	2.6	11
95	Ferroelectric switching dynamics in 0.5Ba(Zr0.2Ti0.8)O3-0.5(Ba0.7Ca0.3)TiO3 thin films. Applied Physics Letters, 2018, 113, 082903.	3.3	11
96	Co valence transformation in isopolar <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>LaCo</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mi>LaTi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> perovskite heterostructures via interfacial engineering. Physical Review Materials, 2020, 4, .	2.4	11
97	Imposed layer-by-layer growth by pulsed laser interval deposition. Applied Physics A: Materials Science and Processing, 1999, 69, S17-S22.	2.3	10
98	Spatial and temporal mapping of Al and AlO during oxidation in pulsed laser ablation of LaAlO₃. Journal of Instrumentation, 2013, 8, C10021-C10021.	1.2	10
99	Magnons in tetragonal CuO. Physical Review B, 2015, 92, .	3.2	10
100	Tunable and stable in time ferroelectric imprint through polarization coupling. APL Materials, 2016, 4, .	5.1	10
101	Stabilization of the Perovskite Phase in the Yâ€“Biâ€“O System By Using a BaBiO 3 Buffer Layer. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800679.	2.4	10
102	Wet Etching Methods for Perovskite Substrates. Materials Research Society Symposia Proceedings, 1999, 587, O3.6.1.	0.1	9
103	Active multilayer mirrors for reflectance tuning at extreme ultraviolet (EUV) wavelengths. Journal Physics D: Applied Physics, 2012, 45, 494001.	2.8	9
104	Uniaxial magnetic anisotropy induced low field anomalous anisotropic magnetoresistance in manganite thin films. APL Materials, 2014, 2, .	5.1	9
105	Growth studies of heteroepitaxial oxide thin films using reflection high-energy electron diffraction (RHEED). , 2015, , 3-29.		9
106	Quenched Magnon excitations by oxygen sublattice reconstruction in (SrCuO2)n/(SrTiO3)2 superlattices. Scientific Reports, 2016, 6, 32896.	3.3	9
107	Modified spin relaxation mechanism by tunable coupling between interfacial two-dimensional electron gases in correlated oxide heterostructures. Physical Review B, 2017, 96, .	3.2	9
108	Atomic layer deposition of SiO2â€“GeO2 multilayers. Applied Physics Letters, 2020, 117, .	3.3	9

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109	<i>In situ</i> characterization of thin film growth. , 2011, , .		9
110	Charge instabilities in the ionic model of metal oxides:â€ƒImportance of polarization energy. Physical Review B, 2002, 66, .	3.2	8
111	Shear at Twin Domain Boundaries inYBa2Cu3O7â^'x. Physical Review Letters, 2004, 92, 216105.	7.8	8
112	Atomic scale investigation of a PbTiO3/SrRuO3/DyScO3 heterostructure. Applied Physics Letters, 2013, 102, .	3.3	8
113	Fabrication of piezodriven, free-standing, all-oxide heteroepitaxial cantilevers on silicon. APL Materials, 2014, 2, .	5.1	8
114	Patterning of Epitaxial Perovskites from Micro and Nano Molded Stencil Masks. Advanced Functional Materials, 2014, 24, 6853-6861.	14.9	8
115	Integration of epitaxial Pb(Zr0.52Ti0.48)O3 films on GaN/AlGaN/GaN/Si(111) substrates using rutile TiO2 buffer layers. Thin Solid Films, 2015, 591, 66-71.	1.8	8
116	Laser-induced fluorescence analysis of plasmas for epitaxial growth of YBiO3 films with pulsed laser deposition. APL Materials, 2016, 4, .	5.1	8
117	Integration of Single Oriented Oxide Superlattices on Silicon Using Various Template Techniques. ACS Applied Materials & Interfaces, 2020, 12, 42925-42932.	8.0	8
118	Use of real-time Fourier transform infrared reflectivity as an in situ monitor of YBa2Cu3O7 film deposition and processing. Applied Physics Letters, 2007, 90, 261917.	3.3	7
119	Experimental evidence for anisotropic double exchange interaction driven anisotropic transport in manganite heterostructures. Scientific Reports, 2017, 7, 2654.	3.3	7
120	Oxygen in Complex Oxide Thin Films Grown by Pulsed Laser Deposition: a Perspective. Journal of Superconductivity and Novel Magnetism, 2020, 33, 205-212.	1.8	7
121	Metal-insulator transition of SrVO 3 ultrathin films embedded in SrVO 3 / SrTiO 3 superlattices. Applied Physics Letters, 2020, 117, 133105.	3.3	7
122	Growth mode and strain effect on relaxor ferroelectric domains in epitaxial 0.67Pb(Mg_{1/3}Nb_{2/3})O₃â€“0.33PbTiO₃/SrRuO₃ heterostructures. RSC Advances, 2021, 11, 1222-1232.	3.6	7
123	Thermal-strain-engineered ferromagnetism of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>LaMn</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mi>SrTi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> heterostructures grown on silicon. Physical Review Materials, 2020, 4, .	2.4	7
124	Control of oxygen sublattice structure in ultra-thin SrCuO2 films studied by X-ray photoelectron diffraction. APL Materials, 2013, 1, .	5.1	6
125	Atomic structure of Sr/Si(0â€²0â€²1)(1â€²Ã—â€²2) surfaces prepared by Pulsed laser deposition. Applied Surface Science, 2019, 471, 664-669.	6.1	6
126	On the Importance of the Work Function and Electron Carrier Density of Oxide Electrodes for the Functional Properties of Ferroelectric Capacitors. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900520.	2.4	6

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127	Interface degradation and field screening mechanism behind bipolar-cycling fatigue in ferroelectric capacitors. APL Materials, 2021, 9, .	5.1	6
128	Femtosecond Charge Density Modulations in Photoexcited CuWO₄. Journal of Physical Chemistry C, 2021, 125, 7329-7336.	3.1	6
129	The ab-anisotrophy of twinfree YBa2Cu3O7-Î´ films above and below Tc. Physica C: Superconductivity and Its Applications, 1997, 282-287, 665-666.	1.2	5
130	In-situ monitoring during PLD of YBa/sub 2/Cu/sub 3/O/sub 7-Î´/ using RHEED at high oxygen pressure. IEEE Transactions on Applied Superconductivity, 1999, 9, 1547-1550.	1.7	5
131	Preparation and properties of amorphousMgB2â€•MgOsuperstructures: Model disordered superconductor. Physical Review B, 2008, 77, .	3.2	5
132	Reflection high-energy electron diffraction (RHEED) for in situ characterization of thin film growth. , 2011, , 3-28.		5
133	Shape Control of Ca₂Nb₃O₁₀ Nanosheets: Paving the Way for Monolithic Integration of Functional Oxides with CMOS. ACS Applied Nano Materials, 2020, 3, 9487-9493.	5.0	5
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