Quanxi Jia

List of Publications by Year in descending order

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474 papers	20,506 citations	11235 73 h-index	19470 122 g-index
491 all docs	491 docs citations	491 times ranked	19308 citing authors

#	Article	IF	Citations
1	The Role of Oxygen Transfer in Oxide Heterostructures on Functional Properties. Advanced Materials Interfaces, 2022, 9, .	1.9	1
2	Role of Defects and Power Dissipation on Ferroelectric Memristive Switching. Advanced Electronic Materials, 2022, 8, .	2.6	10
3	Strain Engineering: A Pathway for Tunable Functionalities of Perovskite Metal Oxide Films. Nanomaterials, 2022, 12, 835.	1.9	13
4	Reducing Leakage Current and Enhancing Polarization in Multiferroic 3D Super-nanocomposites by Microstructure Engineering. Nanotechnology, 2022, , .	1.3	0
5	Correlation between thickness dependent nanoscale structural chemistry and superconducting properties of ultrathin epitaxial NbN films. Materials Chemistry and Physics, 2022, 282, 125962.	2.0	5
6	Superconducting niobium nitride: a perspective from processing, microstructure, and superconducting property for single photon detectors. Journal of Physics Condensed Matter, 2022, 34, 374003.	0.7	9
7	Regulating off-centering distortion maximizes photoluminescence in halide perovskites. National Science Review, 2021, 8, nwaa288.	4.6	70
8	Overcoming the Anisotropic Growth Limitations of Freeâ€Standing Singleâ€Crystal Halide Perovskite Films. Angewandte Chemie - International Edition, 2021, 60, 2629-2636.	7.2	24
9	High performance, electroforming-free, thin film memristors using ionic Na_{0.5}Bi_{0.5}TiO₃. Journal of Materials Chemistry C, 2021, 9, 4522-4531.	2.7	10
10	A pathway to desired functionalities in vertically aligned nanocomposites and related architectures. MRS Bulletin, 2021, 46, 115-122.	1.7	19
11	Ultrathin epitaxial NbN superconducting films with high upper critical field grown at low temperature. Materials Research Letters, 2021, 9, 336-342.	4.1	10
12	Growth of ferroic metal oxide films with desired properties by polymer-assisted deposition. , 2021, , .		0
13	Self-biased magnetoelectric switching at room temperature in three-phase ferroelectricâ€“antiferromagneticâ€“ferrimagnetic nanocomposites. Nature Electronics, 2021, 4, 333-341.	13.1	18
14	Chalcogenide perovskite BaZrS3 thin-film electronic and optoelectronic devices by low temperature processing. Nano Energy, 2021, 85, 105959.	8.2	46
15	Proton switching molecular magnetoelectricity. Nature Communications, 2021, 12, 4602.	5.8	10
16	Engineering ferromagnetic lines in graphene by local oxidation and hydrogenation using nanoscale lithography. Journal Physics D: Applied Physics, 2021, 54, 074002.	1.3	1
17	Electroforming-Free HfO₂:CeO₂ Vertically Aligned Nanocomposite Memristors with Anisotropic Dielectric Response. ACS Applied Electronic Materials, 2021, 3, 5278-5286.	2.0	8
18	Realization of BaZrS3 chalcogenide perovskite thin films for optoelectronics. Nano Energy, 2020, 68, 104317.	8.2	83

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19	Structural and Optical Properties of Phase-Pure UO₂, Î±-U₃O₈, and Î±-UO₃ Epitaxial Thin Films Grown by Pulsed Laser Deposition. ACS Applied Materials & Interfaces, 2020, 12, 35232-35241.	4.0	27
20	Ti-Alloying of BaZrS₃ Chalcogenide Perovskite for Photovoltaics. ACS Omega, 2020, 5, 18579-18583.	1.6	54
21	Couplings of Polarization with Interfacial Deep Trap and Schottky Interface Controlled Ferroelectric Memristive Switching. Advanced Functional Materials, 2020, 30, 2000664.	7.8	50
22	Induced ferroelectric phases in SrTiO₃ by a nanocomposite approach. Nanoscale, 2020, 12, 18193-18199.	2.8	15
23	Enhanced magnetocaloric performance in manganite bilayers. Journal of Applied Physics, 2020, 127, .	1.1	7
24	Competing Interface and Bulk Effectâ€“Driven Magnetoelectric Coupling in Vertically Aligned Nanocomposites. Advanced Science, 2019, 6, 1901000.	5.6	22
25	Metallic interface induced by electronic reconstruction in crystalline-amorphous bilayer oxide films. Science Bulletin, 2019, 64, 1567-1572.	4.3	2
26	3D strain-induced superconductivity in La ₂ CuO _{4+Î´} using a simple vertically aligned nanocomposite approach. Science Advances, 2019, 5, eaav5532.	4.7	31
27	Magnetic and tunable dielectric properties of DyCrO3 thin films. Journal of Materials Science, 2019, 54, 8984-8994.	1.7	14
28	Strain Enhanced Functionality in a Bottomâ€Up Approach Enabled 3D Superâ€Nanocomposites. Advanced Functional Materials, 2019, 29, 1900442.	7.8	17
29	Magnetoelectric Radical Hydrocarbons. Advanced Materials, 2019, 31, e1806263.	11.1	4
30	Metal Oxide Nanocomposites: A Perspective from Strain, Defect, and Interface. Advanced Materials, 2019, 31, e1803241.	11.1	119
31	Nanoscale magnetization inhomogeneity within single phase nanopillars. Physical Review Materials, 2019, 3, .	0.9	5
32	Role of temperature and oxygen content on structural and electrical properties of LaBaCo2O5+Î´ thin films. Applied Physics Letters, 2018, 112, 073905.	1.5	8
33	Enhanced Metalâ€“Insulator Transition Performance in Scalable Vanadium Dioxide Thin Films Prepared Using a Moisture-Assisted Chemical Solution Approach. ACS Applied Materials & Interfaces, 2018, 10, 8341-8348.	4.0	34
34	Upper limit for the effect of elastic bending stress on the saturation magnetization of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>0.8</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mrow><mml:mn>0.2</mml:mn></mml:mrow></mml:msub><mml:mi>Mn</mml:mi><mml:msu	1.1	4
35	Correlation of structural and electrical properties of PrBaCo2O5+Î´ thin films at high temperature. Journal of Materiomics, 2018, 4, 51-55.	2.8	8
36	Enhanced Performance of Field-Effect Transistors Based on Black Phosphorus Channels Reduced by Galvanic Corrosion of Al Overlayers. ACS Applied Materials & Interfaces, 2018, 10, 18895-18901.	4.0	9

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37	Unraveling thickness-dependent spin relaxation in colossal magnetoresistance manganite films. Applied Physics Letters, 2018, 113, 012402.	1.5	2
38	Electrical-current-induced magnetic hysteresis in self-assembled vertically aligned La2/3Sr1/3MnO3:ZnO nanopillar composites. Physical Review Materials, 2018, 2, .	0.9	2
39	Stoichiometry control and electronic and transport properties of pyrochlore <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">I</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant	0.9	7
40	Hidden Interface Driven Exchange Coupling in Oxide Heterostructures. Advanced Materials, 2017, 29, 1700672.	11.1	19
41	Oxygen Vacancy-Tuned Physical Properties in Perovskite Thin Films with Multiple B-site Valance States. Scientific Reports, 2017, 7, 46184.	1.6	49
42	Oxygen content tailored magnetic and electronic properties in cobaltite double perovskite thin films. Applied Physics Letters, 2017, 110, .	1.5	21
43	Colossal Terahertz Magnetoresistance at Room Temperature in Epitaxial La_{0.7}Sr_{0.3}MnO₃ Nanocomposites and Single-Phase Thin Films. Nano Letters, 2017, 17, 2506-2511.	4.5	23
44	Magnetic, electronic, and optical properties of double perovskite Bi2FeMnO6. APL Materials, 2017, 5, .	2.2	38
45	Epitaxial thin films of pyrochlore iridate Bi2+xIr2-yO7-Î´: structure, defects and transport properties. Scientific Reports, 2017, 7, 7740.	1.6	29
46	Pressure-induced dramatic changes in organicâ€“inorganic halide perovskites. Chemical Science, 2017, 8, 6764-6776.	3.7	74
47	Surface oxidation and thermoelectric properties of indium-doped tin telluride nanowires. Nanoscale, 2017, 9, 13014-13024.	2.8	20
48	Nonlinear polaron dynamics in colossal magnetoresistance manganites driven by intense THz pulses. , 2017, , .		0
49	 Ultrafast Strain Dynamics at a Ferroelectric/Ferromagnetic Oxide Interface. , 2016, , .		0
50	Stabilizing new bismuth compounds in thin film form. Journal of Materials Research, 2016, 31, 3530-3537.	1.2	8
51	Epitaxial growth and physical properties of ternary nitride thin films by polymer-assisted deposition. Applied Physics Letters, 2016, 109, 081907.	1.5	2
52	Oxygen vacancy-driven evolution of structural and electrical properties in SrFeO3â^Î´ thin films and a method of stabilization. Applied Physics Letters, 2016, 109, .	1.5	21
53	Self-Assembled Epitaxial Auâ€“Oxide Vertically Aligned Nanocomposites for Nanoscale Metamaterials. Nano Letters, 2016, 16, 3936-3943.	4.5	91
54	Conducting Interface in Oxide Homojunction: Understanding of Superior Properties in Black TiO₂. Nano Letters, 2016, 16, 5751-5755.	4.5	92

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55	Self-Assembled Magnetic Metallic Nanopillars in Ceramic Matrix with Anisotropic Magnetic and Electrical Transport Properties. ACS Applied Materials & Interfaces, 2016, 8, 20283-20291.	4.0	39
56	Enhanced Structural Stability and Photo Responsiveness of CH₃NH₃SnI₃ Perovskite via Pressureâ€Induced Amorphization and Recrystallization. Advanced Materials, 2016, 28, 8663-8668.	11.1	176
57	Turning antiferromagnetic Sm_{0.34}Sr_{0.66}MnO₃ into a 140 K ferromagnet using a nanocomposite strain tuning approach. Nanoscale, 2016, 8, 8083-8090.	2.8	25
58	Fluorineâ€Doped Antiperovskite Electrolyte for Allâ€Solidâ€State Lithiumâ€Ion Batteries. Angewandte Chemie, 2016, 128, 10119-10122.	1.6	29
59	Interfaceâ€Coupled BiFeO₃/BiMnO₃ Superlattices with Magnetic Transition Temperature up to 410 K. Advanced Materials Interfaces, 2016, 3, 1500597.	1.9	14
60	Fluorineâ€Doped Antiperovskite Electrolyte for Allâ€Solidâ€State Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2016, 55, 9965-9968.	7.2	192
61	Role of scaffold network in controlling strain and functionalities of nanocomposite films. Science Advances, 2016, 2, e1600245.	4.7	80
62	Self-assembled oxide films with tailored nanoscale ionic and electronic channels for controlled resistive switching. Nature Communications, 2016, 7, 12373.	5.8	81
63	Mastering the interface for advanced all-solid-state lithium rechargeable batteries. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13313-13317.	3.3	237
64	Site-mixing effect on the XMCD spectrum in double perovskite Bi2FeMnO6. Applied Physics Letters, 2016, 108, 242907.	1.5	11
65	Two-Dimensional Layered Oxide Structures Tailored by Self-Assembled Layer Stacking via Interfacial Strain. ACS Applied Materials & Interfaces, 2016, 8, 16845-16851.	4.0	26
66	Antiperovskite Li₃OCl Superionic Conductor Films for Solidâ€State Liâ€Ion Batteries. Advanced Science, 2016, 3, 1500359.	5.6	162
67	Obtaining ultimate functionalities in nanocomposites: Design, control, and fabrication. MRS Bulletin, 2015, 40, 719-724.	1.7	46
68	Field-dependent magnetization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BiFe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>in an ultrathin<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>0.7</mml:mn></mml:mrow></mml:msub><mml:mi	1.1	13
69	Heterointerface design and strain tuning in epitaxial BiFeO3:CoFe2O4 nanocomposite films. Applied Physics Letters, 2015, 107, .	1.5	27
70	Atomic-scale EDS Mapping for Chemical Imaging and Quantification of Interdiffusion in Self-assembled Vertically Aligned Nanocomposite Thin Films. Microscopy and Microanalysis, 2015, 21, 2249-2250.	0.2	0
71	Strain Tuning and Strong Enhancement of Ionic Conductivity in SrZrO₃â€“RE₂O₃ (RE = Sm, Eu, Gd, Dy, and Er) Nanocomposite Films. Advanced Functional Materials, 2015, 25, 4328-4333.	7.8	54
72	Strain Localization in Thin Films of Bi(Fe,Mn)O3 Due to the Formation of Stepped Mn4+-Rich Antiphase Boundaries. Nanoscale Research Letters, 2015, 10, 407.	3.1	11

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73	New strain states and radical property tuning of metal oxides using a nanocomposite thin film approach. APL Materials, 2015, 3, 062507.	2.2	37
74	Modification of structure and magnetic anisotropy of epitaxial CoFe2O4 films by hydrogen reduction. Applied Physics Letters, 2015, 106, .	1.5	11
75	Strong perpendicular exchange bias in epitaxial La_{0.7}Sr_{0.3}MnO₃:BiFeO₃nanocomposite films through vertical interfacial coupling. Nanoscale, 2015, 7, 13808-13815.	2.8	43
76	Synthetic magnetoelectric coupling in a nanocomposite multiferroic. Scientific Reports, 2015, 5, 9089.	1.6	21
77	Configuration of ripple domains and their topological defects formed under local mechanical stress on hexagonal monolayer graphene. Scientific Reports, 2015, 5, 9390.	1.6	10
78	Perpendicular Exchange-Biased Magnetotransport at the Vertical Heterointerfaces in La_{0.7}Sr_{0.3}MnO₃:NiO Nanocomposites. ACS Applied Materials & Interfaces, 2015, 7, 21646-21651.	4.0	40
79	Strongly enhanced oxygen ion transport through samarium-doped CeO2 nanopillars in nanocomposite films. Nature Communications, 2015, 6, 8588.	5.8	145
80	Ionic Conductivity Increased by Two Orders of Magnitude in Micrometer-Thick Vertical Yttria-Stabilized ZrO₂ Nanocomposite Films. Nano Letters, 2015, 15, 7362-7369.	4.5	90
81	Strain relaxation and enhanced perpendicular magnetic anisotropy in BiFeO3:CoFe2O4 vertically aligned nanocomposite thin films. Applied Physics Letters, 2014, 104, .	1.5	45
82	Room Temperature Ferrimagnetism and Ferroelectricity in Strained, Thin Films of BiFe_{0.5}Mn_{0.5}O₃. Advanced Functional Materials, 2014, 24, 7478-7487.	7.8	38
83	Ferroelectric and ferromagnetic properties of epitaxial BiFeO3-BiMnO3 films on ion-beam-assisted deposited TiN buffered flexible Hastelloy. Journal of Applied Physics, 2014, 115, .	1.1	8
84	Role of the interface on radiation damage in the SrTiO3/LaAlO3 heterostructure under Ne2+ ion irradiation. Journal of Applied Physics, 2014, 115, .	1.1	10
85	Ultrafast optical manipulation of interfacial magnetoelectric coupling. , 2014, , .		0
86	Using ultrashort optical pulses to couple ferroelectric and ferromagnetic order in an oxide heterostructure. Nature Communications, 2014, 5, 5832.	5.8	30
87	Textured metastable VO2 (B) thin films on SrTiO3 substrates with significantly enhanced conductivity. Applied Physics Letters, 2014, 104, .	1.5	41
88	Method for controlling energy density for reliable pulsed laser deposition of thin films. Review of Scientific Instruments, 2014, 85, 025111.	0.6	10
89	Orientation-specific amorphization and intercalated recrystallization at ion-irradiated SrTiO₃/MgO interfaces. Journal of Materials Research, 2014, 29, 1699-1710.	1.2	14
90	Effect of Mn Doping on the Properties of Sol-gel Derived Pb_{0.3}Sr_{0.7}TiO₃Thin Films. Ferroelectrics, 2014, 470, 227-233.	0.3	2

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91	High quality epitaxial thin films of actinide oxides, carbides, and nitrides: Advancing understanding of electronic structure of f-element materials. Coordination Chemistry Reviews, 2014, 266-267, 137-154.	9.5	45
92	Chemical solution derived planarization layers for highly aligned IBAD-MgO templates. Superconductor Science and Technology, 2014, 27, 022002.	1.8	30
93	Linking Interfacial Step Structure and Chemistry with Locally Enhanced Radiationâ€Induced Amorphization at Oxide Heterointerfaces. Advanced Materials Interfaces, 2014, 1, 1300142.	1.9	25
94	Interfacial coupling in heteroepitaxial vertically aligned nanocomposite thin films: From lateral to vertical control. Current Opinion in Solid State and Materials Science, 2014, 18, 6-18.	5.6	98
95	Nucleation and growth of epitaxial metal-oxide films based on polymer-assisted deposition. Chemical Society Reviews, 2014, 43, 2141-2146.	18.7	27
96	Interlayer Effects on Oxygen Reduction Kinetics in Porous Electrodes of La0.5Sr0.5CoO3-Î´. Journal of the Electrochemical Society, 2014, 161, F398-F404.	1.3	3
97	Li-rich anti-perovskite Li₃OCl films with enhanced ionic conductivity. Chemical Communications, 2014, 50, 11520-11522.	2.2	130
98	Role of the interface on the magnetoelectric properties of BaTiO₃thin films deposited on polycrystalline Ni foils. Journal of Materials Chemistry C, 2014, 2, 708-714.	2.7	31
99	Induced Magnetization in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>La</mml:mi></mml:mrow><mml:mrow><mml:mn>0.7</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.3</mml:mn></mml:mrow></mml:msub></mml:math>MnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>/SrTiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>Heterostructures. Physical Review Letters, 2014, 113, 047204.	7.6	59
100	Novel Electroformingâ€Free Nanoscaffold Memristor with Very High Uniformity, Tunability, and Density. Advanced Materials, 2014, 26, 6284-6289.	11.1	75
101	Structural and transport properties of epitaxial Ba(Fe1âˆ’xCox)2As2thin films on various substrates. Superconductor Science and Technology, 2014, 27, 115010.	1.8	12
102	Precise Tuning of (YBa₂Cu₃O_{7â€Î´})_{1â€x}:(BaZrO₃)_x Thin Film Nanocomposite Structures. Advanced Functional Materials, 2014, 24, 5240-5245.	7.8	49
103	Chemical Quantification of Atomic-Scale EDS Maps under Thin Specimen Conditions. Microscopy and Microanalysis, 2014, 20, 1782-1790.	0.2	43
104	Evolution of microstructure, strain and physical properties in oxide nanocomposite films. Scientific Reports, 2014, 4, 5426.	1.6	33
105	Role of microstructures on the M1-M2 phase transition in epitaxial VO2 thin films. Scientific Reports, 2014, 4, 4854.	1.6	91
106	Ultrafast optical manipulation of interfacial magnetoelectric coupling. , 2014, , .		0
107	Influence of film thickness in THz active metamaterial devices: A comparison between superconductor and metal split-ring resonators. Applied Physics Letters, 2013, 103, .	1.5	25
108	Photoinduced stabilization and enhancement of the ferroelectric polarization in Ba<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.1</mml:mn></mml:mrow></mml:msub></mml:math>Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.9</mml:mn></mml:mrow></mml:msub></mml:math>TiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mml:	1.1	17

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109	Nickel substituted LiMn2O4 cathode with durable high-rate capability for Li-ion batteries. RSC Advances, 2013, 3, 18441.	1.7	33
110	Vertically aligned nanocomposite La0.8Sr0.2MnO3â^'Î´/Zr0.92Y0.08O1.96 thin films as electrode/electrolyte interfacial layer for solid oxide reversible fuel cells. International Journal of Hydrogen Energy, 2013, 38, 16320-16327.	3.8	29
111	Microstructure, vertical strain control and tunable functionalities in self-assembled, vertically aligned nanocomposite thin films. Acta Materialia, 2013, 61, 2783-2792.	3.8	153
112	Optical band gap of NpO2 and PuO2 from optical absorbance of epitaxial films. Journal of Applied Physics, 2013, 113, .	1.1	58
113	Strain-Induced Ferromagnetism and Magnetoresistance in Epitaxial Thin Films of LaCoO₃ Prepared by Polymer-Assisted Deposition. Chemistry of Materials, 2013, 25, 55-58.	3.2	42
114	Polymer-assisted-deposition: a chemical solution route for a wide range of materials. Chemical Society Reviews, 2013, 42, 439-449.	18.7	90
115	A New Class of Roomâ€Temperature Multiferroic Thin Films with Bismuthâ€Based Supercell Structure. Advanced Materials, 2013, 25, 1028-1032.	11.1	78
116	Ultrafast carrier dynamics and radiative recombination in multiferroic BiFeO3single crystals and thin films. EPJ Web of Conferences, 2013, 41, 03018.	0.1	2
117	A novel carbon nanotube/polymer composite film for counter electrodes of dye-sensitized solar cells. Polymer Chemistry, 2013, 4, 1680.	1.9	25
118	Radiation damage in heteroepitaxial BaTiO3 thin films on SrTiO3 under Ne ion irradiation. Journal of Applied Physics, 2013, 113, .	1.1	21
119	Preparation of Epitaxial Uranium Dicarbide Thin Films by Polymer-Assisted Deposition. Chemistry of Materials, 2013, 25, 4373-4377.	3.2	15
120	Atomic-scale chemical quantification of oxide interfaces using energy-dispersive X-ray spectroscopy. Applied Physics Letters, 2013, 102, .	1.5	37
121	Nonlinear high-temperature superconducting terahertz metamaterials. New Journal of Physics, 2013, 15, 105016.	1.2	35
122	Role of boundaries on low-field magnetotransport properties of La_{0.7}Sr_{0.3}MnO₃-based nanocomposite thin films. Journal of Materials Research, 2013, 28, 1707-1714.	1.2	22
123	Role of boundaries on low-field magnetotransport properties of La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.7</mml:mn></mml:mrow></mml:msub></mml:math>Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.3</mml:mn></mml:mrow></mml:msub></mml:math>MnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow />	1.1	3
124	Magnetotransport properties of quasi-one-dimensionally channeled vertically aligned heteroepitaxial nanomazes. Applied Physics Letters, 2013, 102, .	1.5	34
125	Research Updates: Epitaxial strain relaxation and associated interfacial reconstructions: The driving force for creating new structures with integrated functionality. APL Materials, 2013, 1, .	2.2	29
126	Frequency shifts of the E2high Raman mode due to residual stress in epitaxial ZnO thin films. Applied Physics Letters, 2013, 103, .	1.5	18

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127	Upper critical magnetic field and vortex-free state in very thin epitaxial Î´-MoN films grown by polymer-assisted deposition. Superconductor Science and Technology, 2013, 26, 105023.	1.8	19
128	Defect Distributions and Transport in Nanocomposites: A Theoretical Perspective. Materials Research Letters, 2013, 1, 193-199.	4.1	19
129	Optical and x-ray time resolved study of the structural transition in mixed valence manganites. EPJ Web of Conferences, 2013, 41, 03002.	0.1	0
130	Coupling between antiferromagnetic and superconducting order in an oxide heterostructure revealed using ultrafast optical spectroscopy. , 2013, , .		0
131	Polymer-Assisted Deposition. , 2013, , 141-158.		3
132	Characterization of irradiation damage distribution near TiO₂/SrTiO₃ interfaces using coherent acoustic phonon interferometry. Applied Physics Letters, 2012, 100, 251603.	1.5	12
133	Epitaxial growth and metal-insulator transition of vanadium oxide thin films with controllable phases. Applied Physics Letters, 2012, 101, 071902.	1.5	58
134	Coexistence of bi-stable memory and mono-stable threshold resistance switching phenomena in amorphous NbOx films. Applied Physics Letters, 2012, 100, .	1.5	40
135	Femtosecond dynamics of the structural transition in mixed valence manganites. Physical Review B, 2012, 86, .	1.1	19
136	Nanotwins and stacking faults in high-strength epitaxial Ag/Al multilayer films. Applied Physics Letters, 2012, 101, .	1.5	97
137	Coexistence of coupled magnetic phases in epitaxial TbMnO3 films revealed by ultrafast optical spectroscopy. Applied Physics Letters, 2012, 101, .	1.5	24
138	Aligned carbon nanotubes sandwiched in epitaxial NbC film for enhanced superconductivity. Nanoscale, 2012, 4, 2268.	2.8	11
139	Growth Dynamics of Barium Titanate Thin Films on Polycrystalline Ni Foils Using Polymer-Assisted Deposition Technique. ACS Applied Materials & Interfaces, 2012, 4, 2199-2203.	4.0	19
140	Extremely High Tunability and Low Loss in Nanoscaffold Ferroelectric Films. Nano Letters, 2012, 12, 4311-4317.	4.5	69
141	Ultrafast carrier dynamics and radiative recombination in multiferroic BiFeO3. Applied Physics Letters, 2012, 100, .	1.5	77
142	Tuning of defects in ZnO nanorod arrays used in bulk heterojunction solar cells. Nanoscale Research Letters, 2012, 7, 655.	3.1	46
143	Magneto-resistance up to 60 Tesla in topological insulator Bi2Te3 thin films. Applied Physics Letters, 2012, 101, .	1.5	94
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