

# Xiaoqing Pan

## List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/2857508/publications.pdf](https://exaly.com/author-pdf/2857508/publications.pdf)

Version: 2024-02-01

527  
papers

37,411  
citations

2932

92  
h-index

3690

177  
g-index

551  
all docs

551  
docs citations

551  
times ranked

36702  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Phosphorus Modulation in Iron Single-Atom Catalysts for Peroxidase Mimicking. <i>Advanced Materials</i> , 2024, 36, .	24.0	50
2	Distribution of Pt single atom coordination environments on anatase TiO <sub>2</sub> supports controls reactivity. <i>Nature Communications</i> , 2024, 15, .	13.0	7
3	Cu Promoted the Dynamic Evolution of Ni-Based Catalysts for Polyethylene Terephthalate Plastic Upcycling. <i>ACS Catalysis</i> , 2024, 14, 5314-5325.	11.5	4
4	Engineering of a charged incoherent BiFeO <sub>3</sub> /SrTiO <sub>3</sub> interface. <i>APL Materials</i> , 2024, 12, .	4.7	0
5	Neural network kinetics for exploring diffusion multiplicity and chemical ordering in compositionally complex materials. <i>Nature Communications</i> , 2024, 15, .	13.0	3
6	Exceptional electronic transport and quantum oscillations in thin bismuth crystals grown inside van der Waals materials. <i>Nature Materials</i> , 2024, 23, 741-746.	26.3	0
7	Direct in-situ imaging of electrochemical corrosion of Pd-Pt core-shell electrocatalysts. <i>Nature Communications</i> , 2024, 15, .	13.0	1
8	Strained single crystal high entropy oxide manganite thin films. <i>Applied Physics Letters</i> , 2024, 125, .	3.2	0
9	Grain boundaries are Brownian ratchets. <i>Science</i> , 2024, 385, 980-985.	19.8	0
10	Grain rotation mechanisms in nanocrystalline materials: Multiscale observations in Pt thin films. <i>Science</i> , 2024, 386, 49-54.	19.8	0
11	Probing charge density in materials with atomic resolution in real space. <i>Nature Reviews Physics</i> , 2023, 5, 117-132.	19.0	6
12	Selective NO <sub>x</sub> Electroreduction to Ammonia on Isolated Ru Sites. <i>ACS Nano</i> , 2023, 17, 3483-3491.	15.1	30
13	Two-Dimensional Fe-N-C Single-Atomic-Site Catalysts with Boosted Peroxidase-Like Activity for a Sensitive Immunoassay. <i>Analytical Chemistry</i> , 2023, 95, 4521-4528.	6.7	9
14	Steering Bidirectional Sulfur Redox via Geometric/Electronic Mediator Comodulation for Li-S Batteries. <i>ACS Nano</i> , 2023, 17, 6002-6010.	15.1	24
15	Toward Imaging Defect-Mediated Energy Transfer between Single Nanocrystal Donors and Single Molecule Acceptors. , 2023, 1, 168-178.		2
16	Atomic-scale origin of the low grain-boundary resistance in perovskite solid electrolyte Li <sub>0.375</sub> Sr <sub>0.4375</sub> Ta <sub>0.75</sub> Zr <sub>0.25</sub> O <sub>3</sub> . <i>Nature Communications</i> , 2023, 14, .	13.0	21
17	Multiscale electric-field imaging of polarization vortex structures in PbTiO <sub>3</sub> /SrTiO <sub>3</sub> superlattices. <i>APL Materials</i> , 2023, 11, .	4.7	1
18	Selective Formation of Acetic Acid and Methanol by Direct Methane Oxidation Using Rhodium Single-Atom Catalysts. <i>Journal of the American Chemical Society</i> , 2023, 145, 11415-11419.	14.5	14

#	ARTICLE	IF	CITATIONS
19	Dislocation-Assisted Quasi-Two-Dimensional Semiconducting Nanochannels Embedded in Perovskite Thin Films. <i>Nano Letters</i> , 2023, 23, 5409-5416.	9.4	0
20	Elucidating electrochemical nitrate and nitrite reduction over atomically-dispersed transition metal sites. <i>Nature Communications</i> , 2023, 14, .	13.0	55
21	Strain-Driven Bidirectional Spin Orientation Control in Epitaxial High Entropy Oxide Films. <i>Advanced Science</i> , 2023, 10, .	12.3	2
22	Giant Thermal Transport Tuning at a Metal/Ferroelectric Interface. <i>Advanced Materials</i> , 2022, 34, e2105778.	24.0	15
23	Probing molecular vibrations by monochromated electron microscopy. <i>Trends in Chemistry</i> , 2022, 4, 76-90.	8.9	7
24	A MnO <sub>2</sub> enhanced atomically dispersed iron-nitrogen-carbon catalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5981-5989.	10.4	20
25	Visualization and validation of twin nucleation and early-stage growth in magnesium. <i>Nature Communications</i> , 2022, 13, 20.	13.0	30
26	Catalysts by pyrolysis: Direct observation of transformations during re-pyrolysis of transition metal-nitrogen-carbon materials leading to state-of-the-art platinum group metal-free electrocatalyst. <i>Materials Today</i> , 2022, 53, 58-70.	17.9	30
27	Flexoelectric Domain Walls Originated from Structural Phase Transition in Epitaxial BiVO <sub>4</sub> Films. <i>Small</i> , 2022, 18, e2107540.	11.0	10
28	Electronic reconstruction at the polar (111)-oriented oxide interface. <i>APL Materials</i> , 2022, 10, .	4.7	4
29	Stability-limiting heterointerfaces of perovskite photovoltaics. <i>Nature</i> , 2022, 605, 268-273.	35.8	306
30	High-density switchable skyrmion-like polar nanodomains integrated on silicon. <i>Nature</i> , 2022, 603, 63-67.	35.8	96
31	Ferroelectricity in a semiconducting all-inorganic halide perovskite. <i>Science Advances</i> , 2022, 8, eabj5881.	10.8	53
32	Direct observation of elemental fluctuation and oxygen octahedral distortion-dependent charge distribution in high entropy oxides. <i>Nature Communications</i> , 2022, 13, 2358.	13.0	52
33	Highly Durable and Selective Fe- and Mo-Based Atomically Dispersed Electrocatalysts for Nitrate Reduction to Ammonia via Distinct and Synergized NO <sub>2</sub> <sup>+</sup> Pathways. <i>ACS Catalysis</i> , 2022, 12, 6651-6662.	11.5	76
34	Manipulating Coordination Structures of Mixed-Valence Copper Single Atoms on 1T-MoS <sub>2</sub> for Efficient Hydrogen Evolution. <i>ACS Catalysis</i> , 2022, 12, 7687-7695.	11.5	33
35	Nanoscale imaging of phonon dynamics by electron microscopy. <i>Nature</i> , 2022, 606, 292-297.	35.8	45
36	Interface-Guided Formation of 2D Ultrathin MnO <sub>2</sub> Nanosheets with Abundant Oxygen Defects for High Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2022, 5, 6962-6969.	5.2	4

#	ARTICLE	IF	CITATIONS
37	Robust palladium hydride catalyst for electrocatalytic formate formation with high CO tolerance. <i>Applied Catalysis B: Environmental</i> , 2022, 316, 121659.	20.4	22
38	Chiral molecular intercalation superlattices. <i>Nature</i> , 2022, 606, 902-908.	35.8	96
39	Three-dimensional electron ptychography of organic-inorganic hybrid nanostructures. <i>Nature Communications</i> , 2022, 13, .	13.0	17
40	Single-Atomic Site Catalyst Enhanced Lateral Flow Immunoassay for Point-of-Care Detection of Herbicide. <i>Research</i> , 2022, 2022, .	5.8	9
41	Bifunctional hydroformylation on heterogeneous Rh-WO <sub>x</sub> pair site catalysts. <i>Nature</i> , 2022, 609, 287-292.	35.8	111
42	Disconnection-mediated Twin/Twin-junction migration in FCC metals. <i>Acta Materialia</i> , 2022, 240, 118339.	7.9	6
43	Enhanced polarization and abnormal flexural deformation in bent freestanding perovskite oxides. <i>Nature Communications</i> , 2022, 13, .	13.0	43
44	Synergistic Electrocatalytic Syngas Production from Carbon Dioxide by Bi-Metallic Atomically Dispersed Catalysts. <i>ChemElectroChem</i> , 2022, 9, .	3.5	4
45	Engineering Atomic Single Metal-Fe <sub>4</sub> Cl Sites with Enhanced Oxygen-Reduction Activity for High-Performance Proton Exchange Membrane Fuel Cells. <i>ACS Nano</i> , 2022, 16, 15165-15174.	15.1	80
46	Curvature-Induced One-Dimensional Phonon Polaritons at Edges of Folded Boron Nitride Sheets. <i>Nano Letters</i> , 2022, 22, 9319-9326.	9.4	3
47	Strong electrostatic adsorption approach to the synthesis of sub-three nanometer intermetallic platinum-cobalt oxygen reduction catalysts. <i>Nano Energy</i> , 2021, 79, 105465.	16.3	72
48	Fe-N-C Electrocatalysts' Durability: Effects of Single Atoms' Mobility and Clustering. <i>ACS Catalysis</i> , 2021, 11, 484-494.	11.5	63
49	Solar-assisted co-electrolysis of glycerol and water for concurrent production of formic acid and hydrogen. <i>Journal of Materials Chemistry A</i> , 2021, 9, 19975-19983.	10.4	29
50	Machine Learning Method Reveals Hidden Strong Metal-Support Interaction in Microscopy Datasets. <i>Small Methods</i> , 2021, 5, 2100035.	9.5	13
51	Directly Probing the Local Coordination, Charge State, and Stability of Single Atom Catalysts by Advanced Electron Microscopy: A Review. <i>Small</i> , 2021, 17, e2006482.	11.0	58
52	Computational Studies of Lipid-Wrapped Gold Nanoparticle Transport Through Model Lung Surfactant Monolayers. <i>Journal of Physical Chemistry B</i> , 2021, 125, 1392-1401.	2.7	9
53	Trazodone effects on developing brain. <i>Translational Psychiatry</i> , 2021, 11, 85.	4.9	15
54	Data-Driven Modeling and Cyclic Scheduling for Ethylene Cracking Furnace System with Inventory Constraints. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 3687-3698.	3.7	13

#	ARTICLE	IF	CITATIONS
55	Effective Electrochemical Modulation of SERS Intensity Assisted by Core-Shell Nanoparticles. <i>Analytical Chemistry</i> , 2021, 93, 4441-4448.	6.7	18
56	High-order superlattices by rolling up van der Waals heterostructures. <i>Nature</i> , 2021, 591, 385-390.	35.8	195
57	Activating a Two-Dimensional PtSe <sub>2</sub> Basal Plane for the Hydrogen Evolution Reaction through the Simultaneous Generation of Atomic Vacancies and Pt Clusters. <i>Nano Letters</i> , 2021, 21, 3857-3863.	9.4	47
58	Highly Dispersive Cerium Atoms on Carbon Nanowires as Oxygen Reduction Reaction Electrocatalysts for Zn-Air Batteries. <i>Nano Letters</i> , 2021, 21, 4508-4515.	9.4	104
59	Atomistic insights into the nucleation and growth of platinum on palladium nanocrystals. <i>Nature Communications</i> , 2021, 12, 3215.	13.0	23
60	In Situ Observations of the Dynamics of Pd@Pt Core-Shell Nanoparticles in Electrolyte. <i>Microscopy and Microanalysis</i> , 2021, 27, 234-236.	0.4	2
61	Revealing Abnormal Phonon Polaritons Confined at the Edge of Curved Two-Dimensional Boron Nitride. <i>Microscopy and Microanalysis</i> , 2021, 27, 130-132.	0.4	0
62	Phonon Reflections from Nanostructured Interfaces Imaged by Momentum-Averaged and Resolved Vibrational EELS. <i>Microscopy and Microanalysis</i> , 2021, 27, 1204-1206.	0.4	1
63	Disconnection-mediated twin junction migration mechanism in FCC metals. <i>Microscopy and Microanalysis</i> , 2021, 27, 3100-3102.	0.4	0
64	Investigating the Degradation of Nb <sub>2</sub> O <sub>5</sub> Thin Films Across 10,000 Lithiation/Delithiation Cycles. <i>ACS Applied Energy Materials</i> , 2021, 4, 6542-6552.	5.2	11
65	Synthesis of Heteroatom Rh-ReO <sub>x</sub> Atomically Dispersed Species on Al <sub>2</sub> O <sub>3</sub> and Their Tunable Catalytic Reactivity in Ethylene Hydroformylation. <i>Microscopy and Microanalysis</i> , 2021, 27, 1570-1571.	0.4	1
66	Controllable Growth of Copper on TiO <sub>2</sub> Nanoparticles Through Coupled Effects of Solution Viscosity and Photoreduction Rate. <i>Microscopy and Microanalysis</i> , 2021, 27, 2346-2348.	0.4	0
67	Probing phonon propagation in materials by angle-resolved and angle-averaged vibrational EELS. <i>Microscopy and Microanalysis</i> , 2021, 27, 118-120.	0.4	0
68	High-Throughput Intelligent Analysis of High and Low-Loss EELS. <i>Microscopy and Microanalysis</i> , 2021, 27, 626-628.	0.4	0
69	Direct observation of polarization-induced two-dimensional electron/hole gases at ferroelectric-insulator interface. <i>Microscopy and Microanalysis</i> , 2021, 27, 712-713.	0.4	4
70	Observation of a charged incoherent BiFeO <sub>3</sub> /SrTiO <sub>3</sub> interface. <i>Microscopy and Microanalysis</i> , 2021, 27, 1454-1455.	0.4	0
71	Probing the Dynamics of Phase Transformation in Nanostructures by STEM Imaging and Spectroscopy. <i>Microscopy and Microanalysis</i> , 2021, 27, 1964-1966.	0.4	0
72	Space- and Angle-Resolved Vibrational Spectroscopy to Probe the Local Phonon Modes at Planar Defects. <i>Microscopy and Microanalysis</i> , 2021, 27, 1190-1192.	0.4	0

#	ARTICLE	IF	CITATIONS
73	Atomic-resolution study of charge transfer effects at the $\text{LaTiO}_3/\text{La}_2\text{O}_3$ interface. <i>Physical Review B</i> , 2021, 104, .	5.1	23
74	Exsolution of Embedded Ni-Fe-Co Nanoparticles: Implications for Dry Reforming of Methane. <i>ACS Applied Nano Materials</i> , 2021, 4, 8626-8636.	9.0	6
75	Emergent properties at oxide interfaces controlled by ferroelectric polarization. <i>Npj Computational Materials</i> , 2021, 7, .	10.8	16
76	Capturing 3D atomic defects and phonon localization at the 2D heterostructure interface. <i>Science Advances</i> , 2021, 7, eabi6699.	21.9	53
77	Laser-irradiated Holey Graphene-Supported Single-Atom Catalyst towards Hydrogen Evolution and Oxygen Reduction. <i>Advanced Energy Materials</i> , 2021, 11, 2101619.	16.3	66
78	Stone-Wales defect-rich carbon-supported dual-metal single atom sites for Zn-air batteries. <i>Nano Energy</i> , 2021, 90, 106488.	35.8	125
79	Single-defect phonons imaged by electron microscopy. <i>Nature</i> , 2021, 589, 65-69.	5.2	8
80	Direct observation of polarization-induced two-dimensional electron/hole gases at ferroelectric-insulator interface. <i>Npj Quantum Materials</i> , 2021, 6, .	2.5	9
81	Emergence of near-boundary segregation zones in face-centered cubic multiprincipal element alloys. <i>Physical Review Materials</i> , 2021, 5, .	13.0	22
82	In-plane quasi-single-domain BaTiO <sub>3</sub> via interfacial symmetry engineering. <i>Nature Communications</i> , 2021, 12, 6784.	13.0	58
83	Experimental observation of localized interfacial phonon modes. <i>Nature Communications</i> , 2021, 12, 6901.	1.9	16
84	Thickness and defocus dependence of inter-atomic electric fields measured by scanning diffraction. <i>Ultramicroscopy</i> , 2020, 208, 112850.	6.4	74
85	Boosting the activity of Fe-N <sub>x</sub> moieties in Fe-N-C electrocatalysts via phosphorus doping for oxygen reduction reaction. <i>Science China Materials</i> , 2020, 63, 965-971.	2.2	2
86	Enhanced electrical properties of La <sub>1.9</sub> Nd <sub>0.1</sub> Ti <sub>2</sub> O <sub>7</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 1853-1860.	3.2	1
87	Anomalous Linear Layer-Dependent Blue Shift of Ultraviolet-Range Interband Transition in Two-Dimensional MoS <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2020, 124, 1609-1616.	14.5	182
88	Uniformity Is Key in Defining Structure-Function Relationships for Atomically Dispersed Metal Catalysts: The Case of Pt/CeO <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2020, 142, 169-184.	24.5	29
89	Spontaneous Solar Syngas Production from CO <sub>2</sub> Driven by Energetically Favorable Wastewater Microbial Anodes. <i>Joule</i> , 2020, 4, 2149-2161.	10.1	90
90	Tailoring a Three-Phase Microenvironment for High-Performance Oxygen Reduction Reaction in Proton Exchange Membrane Fuel Cells. <i>Matter</i> , 2020, 3, 1774-1790.		

#	ARTICLE	IF	CITATIONS
91	Probing Local Vibration Modes at Single Planar Defects by Vibrational Spectroscopy. Microscopy and Microanalysis, 2020, 26, 952-953.	0.4	0
92	Selective Methanol Carbonylation to Acetic Acid on Heterogeneous Atomically Dispersed $\text{ReO}_4/\text{SiO}_2$ Catalysts. Journal of the American Chemical Society, 2020, 142, 14178-14189.	14.5	62
93	From ion to atom to dendrite: Formation and nanomechanical behavior of electrodeposited lithium. MRS Bulletin, 2020, 45, 891-904.	4.1	10
94	Size-Dependent Nickel-Based Electrocatalysts for Selective $\text{CO}_2$ Reduction. Angewandte Chemie - International Edition, 2020, 59, 18572-18577.	14.6	117
95	Size-Dependent Nickel-Based Electrocatalysts for Selective $\text{CO}_2$ Reduction. Angewandte Chemie, 2020, 132, 18731-18736.	2.1	36
96	Epitaxial antiperovskite/perovskite heterostructures for materials design. Science Advances, 2020, 6, eaba4017.	10.8	23
97	In Situ TEM Studies of Catalysts Using Windowed Gas Cells. Catalysts, 2020, 10, 779.	3.5	26
98	Durable hybrid electrocatalysts for proton exchange membrane fuel cells. Nano Energy, 2020, 77, 105192.	16.3	25
99	Dynamic evolution and reversibility of single-atom Ni(II) active site in 1T-MoS <sub>2</sub> electrocatalysts for hydrogen evolution. Nature Communications, 2020, 11, 4114.	13.0	122
100	Solid-phase hetero epitaxial growth of $\hat{\Gamma}$ -phase formamidinium perovskite. Nature Communications, 2020, 11, 5514.	13.0	83
101	2D metal-organic framework for stable perovskite solar cells with minimized lead leakage. Nature Nanotechnology, 2020, 15, 934-940.	30.1	276
102	Crystallinity after decarboxylation of a metal-carboxylate framework: indestructible porosity for catalysis. Dalton Transactions, 2020, 49, 11902-11910.	3.4	11
103	Highly active and stable stepped Cu surface for enhanced electrochemical $\text{CO}_2$ reduction to $\text{C}_2\text{H}_4$ . Nature Catalysis, 2020, 3, 804-812.	28.0	354
104	Single particle tunneling spectrum of superconducting $\text{Nd}_{1-x}\text{Sr}_x\text{NiO}_2$ thin films. Nature Communications, 2020, 11, 6027.	13.0	124
105	Observation of Charge Separation along $\text{BiFeO}_3$ $109^\circ$ Domain Walls by Using Low-convergence Angle 4-Dimensional Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2020, 26, 234-235.	0.4	0
106	Multiscale Electric Field Imaging of Vortices in $\text{PbTiO}_3$ - $\text{SrTiO}_3$ Superlattice. Microscopy and Microanalysis, 2020, 26, 466-468.	0.4	1
107	Anomalous Linear Layer-dependent Blue Shift of Interband Transition in Two-Dimensional Materials. Microscopy and Microanalysis, 2020, 26, 634-635.	0.4	0
108	Polarization in Ferroelectric $\text{BiFeO}_3$ Imaged in 3D Using Four-dimensional Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2020, 26, 1132-1134.	0.4	0

#	ARTICLE	IF	CITATIONS
109	Low Dose Electron Ptychography for Cryo-biological Imaging. <i>Microscopy and Microanalysis</i> , 2020, 26, 1488-1490.	0.4	0
110	Directly Probing Local Coordination, Charge State and Stability of Single Atom Catalysts. <i>Microscopy and Microanalysis</i> , 2020, 26, 2468-2469.	0.4	1
111	Low-dose phase retrieval of biological specimens using cryo-electron ptychography. <i>Nature Communications</i> , 2020, 11, 2773.	13.0	84
112	Manipulating magnetoelectric energy landscape in multiferroics. <i>Nature Communications</i> , 2020, 11, 2836.	13.0	50
113	General synthesis of two-dimensional van der Waals heterostructure arrays. <i>Nature</i> , 2020, 579, 368-374.	35.8	440
114	Spontaneous Hall effect enhanced by local Ir moments in epitaxial $P\text{r}^2\text{IrO}_7$ . <i>Nature</i> , 2020, 579, 368-374.	3.3	19
115	Optimization of Pt $\delta^+$ -Oxygen-Containing Species Anodes for Ethanol Oxidation Reaction: High Performance of Pt-AuSnO <sub>2</sub> Electro catalyst. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2846-2853.	4.8	11
116	Strain-Induced Corrosion Kinetics at Nanoscale Are Revealed in Liquid: Enabling Control of Corrosion Dynamics of Electrocatalysis. <i>CHEM</i> , 2020, 6, 2257-2271.	12.1	59
117	Anisotropic and hierarchical SiC@SiO <sub>2</sub> nanowire aerogel with exceptional stiffness and stability for thermal superinsulation. <i>Science Advances</i> , 2020, 6, eaay6689.	10.8	193
118	The grain boundary mobility tensor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4533-4538.	7.5	42
119	Giant Uniaxial Strain Ferroelectric Domain Tuning in Freestanding PbTiO <sub>3</sub> Films. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901604.	4.1	46
120	Improved Electrical Properties of Layer Structured La <sub>2</sub> Ti <sub>1.96</sub> V <sub>0.04</sub> O <sub>7</sub> Ceramics. <i>Journal of Electronic Materials</i> , 2020, 49, 2584-2595.	2.2	7
121	Engineering of octahedral rotations and electronic structure in ultrathin SrIrO <sub>3</sub> films. <i>Physical Review B</i> , 2020, 101, .	11.3	17
122	Pt <sub>3</sub> Ag alloy wavy nanowires as highly effective electrocatalysts for ethanol oxidation reaction. <i>Nano Research</i> , 2020, 13, 1472-1478.	10.5	62
123	Aged metastable high-entropy alloys with heterogeneous lamella structure for superior strength-ductility synergy. <i>Acta Materialia</i> , 2020, 199, 602-612.	7.9	87
124	Compressed Intermetallic PdCu for Enhanced Electrocatalysis. <i>ACS Energy Letters</i> , 2020, 5, 3672-3680.	18.2	54
125	Transmission Electron Microscopy of Catalytic Nanomaterials at Atomic Resolution. <i>Microscopy and Microanalysis</i> , 2019, 25, 2054-2055.	0.4	0
126	Measuring Charge State at the Single-Atomic-Column-Base with Four-Dimensional Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2019, 25, 16-17.	0.4	0



#	ARTICLE	IF	CITATIONS
127	Machine Learning for Challenging EELS and EDS Spectral Decomposition. <i>Microscopy and Microanalysis</i> , 2019, 25, 180-181.	0.4	4
128	Strong Electronic Interaction of Amorphous Fe <sub>2</sub> O <sub>3</sub> Nanosheets with Single-Atom Pt toward Enhanced Carbon Monoxide Oxidation. <i>Advanced Functional Materials</i> , 2019, 29, 1904278.	16.3	61
129	Investigating the Nature of the Active Sites for the CO <sub>2</sub> Reduction Reaction on Carbon-Based Electrocatalysts. <i>ACS Catalysis</i> , 2019, 9, 7668-7678.	11.5	60
130	PtCuNi Tetrahedra Catalysts with Tailored Surfaces for Efficient Alcohol Oxidation. <i>Nano Letters</i> , 2019, 19, 5431-5436.	9.4	97
131	Intrinsic Conductance of Domain Walls in BiFeO <sub>3</sub> . <i>Advanced Materials</i> , 2019, 31, e1902099.	24.0	40
132	Structures and electronic properties of domain walls in BiFeO <sub>3</sub> thin films. <i>National Science Review</i> , 2019, 6, 669-683.	9.4	21
133	Differential Surface Elemental Distribution Leads to Significantly Enhanced Stability of PtNi-Based ORR Catalysts. <i>Matter</i> , 2019, 1, 1567-1580.	10.1	85
134	Synthesis of Heteroatom ReO <sub>x</sub> Atomically Dispersed Species on Al <sub>2</sub> O <sub>3</sub> and Their Tunable Catalytic Reactivity in Ethylene Hydroformylation. <i>ACS Catalysis</i> , 2019, 9, 10899-10912.	11.5	88
135	Electron ptychography using an ultrafast direct electron detector. <i>Microscopy and Microanalysis</i> , 2019, 25, 20-21.	0.4	1
136	Mapping the Nanoscale Redshift of Optical Phonon Modes in a Strained Quantum Dot System. <i>Microscopy and Microanalysis</i> , 2019, 25, 626-627.	0.4	1
137	High Spatial Resolution Low-Voltage Electron Imaging and Spectroscopy of Two-Dimensional Materials and Semiconductor Nanostructures. <i>Microscopy and Microanalysis</i> , 2019, 25, 468-469.	0.4	0
138	Tuning Electronic Structure and Lattice Diffusion Barrier of Ternary Pt-In-Ni for Both Improved Activity and Stability Properties in Oxygen Reduction Electrocatalysis. <i>ACS Catalysis</i> , 2019, 9, 11431-11437.	11.5	41
139	Highly crystalline ReSe <sub>2</sub> atomic layers synthesized by chemical vapor transport. <i>Informa Mater</i> , 2019, 1, 552-558.	20.4	26
140	<i>In situ</i> Cathodoluminescence and Monitoring Electronic Structure Change Using Optical TEM Holder. <i>Microscopy and Microanalysis</i> , 2019, 25, 2302-2303.	0.4	1
141	Impact of Heat Treatment on the Electrochemical Properties of Carbon-Supported Octahedral Pt-In Ni Nanoparticles. <i>ACS Catalysis</i> , 2019, 9, 11189-11198.	11.5	33
142	Probing Thermal-induced Phonon Energy Shift of SiC in Nanoscale by <i>In situ</i> Vibrational Spectroscopy. <i>Microscopy and Microanalysis</i> , 2019, 25, 622-623.	0.4	2
143	In Situ Observations of Abnormal Pore Size Changes of a Zirconium Based Metal-Organic Framework Using Atomic Resolution S/TEM and EELS. <i>Microscopy and Microanalysis</i> , 2019, 25, 1486-1487.	0.4	1
144	Developing Multifunctional and High Resolution In-situ TEM Holders. <i>Microscopy and Microanalysis</i> , 2019, 25, 1854-1855.	0.4	0

#	ARTICLE	IF	CITATIONS
145	Charge Density Mapping via Scanning Diffraction in Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2019, 25, 18-19.	0.4	0
146	Observation of Strong Polarization Enhancement in Ferroelectric Tunnel Junctions. <i>Nano Letters</i> , 2019, 19, 6812-6818.	9.4	20
147	Unexpected Strong Thermally Induced Phonon Energy Shift for Mapping Local Temperature. <i>Nano Letters</i> , 2019, 19, 7494-7502.	9.4	18
148	3D Electron Ptychography. <i>Microscopy and Microanalysis</i> , 2019, 25, 1802-1803.	0.4	2
149	Observation of Dislocation-Assisted 2-Dimensional Conductive Channels Embedded in Perovskite Thin Films. <i>Microscopy and Microanalysis</i> , 2019, 25, 2410-2411.	0.4	0
150	Platinum-trimer decorated cobalt-palladium core-shell nanocatalyst with promising performance for oxygen reduction reaction. <i>Nature Communications</i> , 2019, 10, 440.	13.0	126
151	Rational Design of Graphene-Supported Single Atom Catalysts for Hydrogen Evolution Reaction. <i>Advanced Energy Materials</i> , 2019, 9, 1803689.	21.9	310
152	Probing the dynamics of nanoparticle formation from a precursor at atomic resolution. <i>Science Advances</i> , 2019, 5, eaau9590.	10.8	42
153	In situ Scanning Transmission Electron Microscopy with Atomic Resolution under Atmospheric Pressure. <i>Microscopy Today</i> , 2019, 27, 16-21.	0.5	1
154	Perfect Andreev reflection due to the Klein paradox in a topological superconducting state. <i>Nature</i> , 2019, 570, 344-348.	35.8	39
155	Secondary-Atom-Assisted Synthesis of Single Iron Atoms Anchored on N-Doped Carbon Nanowires for Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2019, 9, 5929-5934.	11.5	158
156	Freestanding crystalline oxide perovskites down to the monolayer limit. <i>Nature</i> , 2019, 570, 87-90.	35.8	431
157	Surface erosion events controlled the evolution of plate tectonics on Earth. <i>Nature</i> , 2019, 570, 52-57.	35.8	126
158	Real-time studies of ferroelectric domain switching: a review. <i>Reports on Progress in Physics</i> , 2019, 82, 126502.	20.2	55
159	Single-atom tailoring of platinum nanocatalysts for high-performance multifunctional electrocatalysis. <i>Nature Catalysis</i> , 2019, 2, 495-503.	28.0	504
160	Structural evolution of atomically dispersed Pt catalysts dictates reactivity. <i>Nature Materials</i> , 2019, 18, 746-751.	26.3	446
161	Epitaxial growth of bronze phase titanium dioxide by molecular beam epitaxy. <i>AIP Advances</i> , 2019, 9, .	1.3	6
162	Highly Uniform Resistive Switching in HfO <sub>2</sub> Films Embedded with Ordered Metal Nanoisland Arrays. <i>Advanced Functional Materials</i> , 2019, 29, 1808430.	16.3	48

#	ARTICLE	IF	CITATIONS
163	Atomic Resolution Defocused Electron Ptychography at Low Dose with a Fast, Direct Electron Detector. Scientific Reports, 2019, 9, 3919.	3.4	50
164	Nitrogen-coordinated single iron atom catalysts derived from metal organic frameworks for oxygen reduction reaction. Nano Energy, 2019, 61, 60-68.	16.3	201
165	Probing vacancy behavior across complex oxide heterointerfaces. Science Advances, 2019, 5, eaau8467.	10.8	22
166	Atomically engineering activation sites onto metallic 1T-MoS <sub>2</sub> catalysts for enhanced electrochemical hydrogen evolution. Nature Communications, 2019, 10, 982.	13.0	339
167	Oxidation-Induced Atom Diffusion and Surface Restructuring in Faceted Ternary Pt-Cu-Ni Nanoparticles. Chemistry of Materials, 2019, 31, 1720-1728.	6.9	30
168	Mott insulator to metal transition driven by oxygen incorporation in epitaxial LaTiO <sub>3</sub> films. Applied Physics Letters, 2019, 115, .	3.2	14
169	Building trans-national and multi-disciplinary academic curricula through adaptation of a project-based approach. AIP Conference Proceedings, 2019, , .	0.2	13
170	Rh single atoms on TiO <sub>2</sub> dynamically respond to reaction conditions by adapting their site. Nature Communications, 2019, 10, 4488.	13.0	214
171	Real-space charge-density imaging with sub-Ångström resolution by four-dimensional electron microscopy. Nature, 2019, 575, 480-484.	35.8	139
172	Self-Assembled Ferroelectric Nanoarray. ACS Applied Materials & Interfaces, 2019, 11, 2205-2210.	8.2	10
173	Exploring the neurocognitive correlates of challenging behaviours in young people with autism spectrum disorder. Autism, 2019, 23, 1152-1164.	4.4	13
174	(Invited) Probing the Structure and Dynamic Behaviors of Heterogeneous Functional Materials with the Atomic Resolution in Real-Time. ECS Meeting Abstracts, 2019, , .	0.0	0
175	Developed one-pot synthesis of dual-color CdSe quantum dots for white light-emitting diode application. Journal of Materials Chemistry C, 2018, 6, 3089-3096.	5.5	17
176	Nanoscale kinetics of asymmetrical corrosion in core-shell nanoparticles. Nature Communications, 2018, 9, 1011.	13.0	94
177	Outbound medical tourists from China: An update on motivations, deterrents, and needs. International Journal of Healthcare Management, 2018, 11, 217-224.	1.9	17
178	Stable iridium dinuclear heterogeneous catalysts supported on metal-oxide substrate for solar water oxidation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2902-2907.	7.5	238
179	Self-assembling epitaxial growth of a single crystalline CoFe <sub>2</sub> O <sub>4</sub> nanopillar array via dual-target pulsed laser deposition. Journal of Materials Chemistry C, 2018, 6, 4854-4860.	5.5	5
180	Robust memristors based on layered two-dimensional materials. Nature Electronics, 2018, 1, 130-136.	18.7	585

#	ARTICLE	IF	CITATIONS
181	Discovery of a magnetic conductive interface in PbZr <sub>0.2</sub> Ti <sub>0.8</sub> O <sub>3</sub> /SrTiO <sub>3</sub> heterostructures. Nature Communications, 2018, 9, 685.	13.0	21
182	Intercorrelated In-Plane and Out-of-Plane Ferroelectricity in Ultrathin Two-Dimensional Layered Semiconductor In <sub>2</sub> Se <sub>3</sub> . Nano Letters, 2018, 18, 1253-1258.	9.4	555
183	Giant Photoresponse in Quantized SrRuO <sub>3</sub> Monolayer at Oxide Interfaces. ACS Photonics, 2018, 5, 1041-1049.	6.8	25
184	Tuning Fe concentration in epitaxial gallium ferrite thin films for room temperature multiferroic properties. Acta Materialia, 2018, 145, 488-495.	7.9	29
185	Smart Pd Catalyst with Improved Thermal Stability Supported on High-Surface-Area LaFeO <sub>3</sub> Prepared by Atomic Layer Deposition. Journal of the American Chemical Society, 2018, 140, 4841-4848.	14.5	92
186	Direct Demonstration of the Emergent Magnetism Resulting from the Multivalence Mn in a LaMnO <sub>3</sub> Epitaxial Thin Film System. Advanced Electronic Materials, 2018, 4, 1800055.	5.3	31
187	Controlling the magic size of white light-emitting CdSe quantum dots. Nanoscale, 2018, 10, 10256-10261.	5.7	10
188	Defect-Induced Hedgehog Polarization States in Multiferroics. Physical Review Letters, 2018, 120, 137602.	8.0	54
189	A study on simultaneous catalytic ozonation of HgO and NO using Mn-TiO <sub>2</sub> catalyst at low flue gas temperatures. Chemical Papers, 2018, 72, 1347-1361.	2.2	5
190	Engineering Temperature-Dependent Carrier Concentration in Bulk Composite Materials via Temperature-Dependent Fermi Level Offset. Advanced Energy Materials, 2018, 8, 1701623.	21.9	21
191	Core-Shell Nanostructured Cobalt-Platinum Electrocatalysts with Enhanced Durability. ACS Catalysis, 2018, 8, 35-42.	11.5	74
192	Double-tilt in situ TEM Holder with Ultra-high Stability. Microscopy and Microanalysis, 2018, 24, 1890-1891.	0.4	0
193	Defect-assisted Reorganization of Ferroelectric Domain Walls Revealed by Aberration-corrected Electron Microscopy. Microscopy and Microanalysis, 2018, 24, 104-105.	0.4	0
194	Combined In Situ and Ex Situ Study on Synthesis of Nanostructured Catalyst in Solid State. Microscopy and Microanalysis, 2018, 24, 288-289.	0.4	0
195	Investigating Thermal Behavior of Surface Phonon in SiC by in-situ Vibrational Spectroscopy. Microscopy and Microanalysis, 2018, 24, 416-417.	0.4	0
196	In situ Scanning Transmission Electron Microscopy with Atomic Resolution under Atmospheric Pressures. Microscopy and Microanalysis, 2018, 24, 234-235.	0.4	1
197	Hollow Electron Ptychographic Diffractive Imaging. Physical Review Letters, 2018, 121, 146101.	8.0	28
198	Direct in Situ Observation and Analysis of the Formation of Palladium Nanocrystals with High-Index Facets. Nano Letters, 2018, 18, 7004-7013.	9.4	46

#	ARTICLE	IF	CITATIONS
199	Nanosecond-Laser-Based Charge Transfer Plasmon Engineering of Solution-Assembled Nanodimers. Nano Letters, 2018, 18, 7014-7020.	9.4	24
200	Anisotropic polarization-induced conductance at a ferroelectric-insulator interface. Nature Nanotechnology, 2018, 13, 1132-1136.	30.1	59
201	Promotion of Ternary Pt-Sn-Ag Catalysts toward Ethanol Oxidation Reaction: Revealing Electronic and Structural Effects of Additive Metals. ACS Energy Letters, 2018, 3, 2550-2557.	18.2	43
202	Deconvolution of octahedral Pt <sub>3</sub> Ni nanoparticle growth pathway from in situ characterizations. Nature Communications, 2018, 9, 4485.	13.0	38
203	Large Negative-Thermal-Quenching Effect in Phonon-Induced Light Emissions in Mn <sup>4+</sup> -Activated Fluoride Phosphor for Warm-White Light-Emitting Diodes. ACS Omega, 2018, 3, 13704-13710.	3.6	42
204	Electronic structure of ferromagnetic semiconductor CrGeTe <sub>3</sub> by angle-resolved photoemission spectroscopy. Physical Review B, 2018, 98, .	3.0	16
205	Control of Epitaxial BaFe <sub>2</sub> As <sub>2</sub> Atomic Configurations with Substrate Surface Terminations. Nano Letters, 2018, 18, 6347-6352.	9.4	16
206	Electrophoretic Deposition of Mesoporous Niobium(V)Oxide Nanoscopic Films. Chemistry of Materials, 2018, 30, 6549-6558.	6.9	17
207	Layer-Dependent Chemically Induced Phase Transition of Two-Dimensional MoS <sub>2</sub> . Nano Letters, 2018, 18, 3435-3440.	9.4	75
208	In situ Atmospheric Transmission Electron Microscopy of Catalytic Nanomaterials. MRS Advances, 2018, 3, 2297-2303.	1.0	2
209	Combining <i>In-Situ</i> Transmission Electron Microscopy and Infrared Spectroscopy for Understanding Dynamic and Atomic-Scale Features of Supported Metal Catalysts. Journal of Physical Chemistry C, 2018, 122, 25143-25157.	3.2	43
210	Neighboring Pt Atom Sites in an Ultrathin FePt Nanosheet for the Efficient and Highly CO-Tolerant Oxygen Reduction Reaction. Nano Letters, 2018, 18, 5905-5912.	9.4	86
211	Control of Domain Structures in Multiferroic Thin Films through Defect Engineering. Advanced Materials, 2018, 30, e1802737.	24.0	34
212	Chemically specific termination control of oxide interfaces via layer-by-layer mean inner potential engineering. Nature Communications, 2018, 9, 2965.	13.0	37
213	End-On Bound Iridium Dinuclear Heterogeneous Catalysts on WO <sub>3</sub> for Solar Water Oxidation. ACS Central Science, 2018, 4, 1166-1172.	12.1	70
214	Surface-Engineered PtNi-O Nanostructure with Record-High Performance for Electrocatalytic Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2018, 140, 9046-9050.	14.5	409
215	Accordion Strain Accommodation Mechanism within the Epitaxially Constrained Electrode. ACS Energy Letters, 2018, 3, 1848-1853.	18.2	5
216	Double-tilt in situ TEM holder with ultra-high stability. Ultramicroscopy, 2018, 192, 1-6.	1.9	10

#	ARTICLE	IF	CITATIONS
217	Fast and Low-dose Electron Ptychography. <i>Microscopy and Microanalysis</i> , 2018, 24, 224-225.	0.4	3
218	Investigation of Surface and Bulk Vibrational Modes in SiC Polytypes using Spatially Resolved Monochromated HREELS. <i>Microscopy and Microanalysis</i> , 2018, 24, 462-463.	0.4	0
219	In-situ TEM Characterization of Ultra-robust Memristors Based on Fully Layered Two-dimensional Materials. <i>Microscopy and Microanalysis</i> , 2018, 24, 1886-1887.	0.4	1
220	In Situ TEM Probing of Ferroelectric Switching under Electrical Bias. <i>Microscopy and Microanalysis</i> , 2018, 24, 1812-1813.	0.4	1
221	Deterministic, Reversible, and Nonvolatile Low-Voltage Writing of Magnetic Domains in Epitaxial BaTiO <sub>3</sub> /Fe <sub>3</sub> O <sub>4</sub> Heterostructure. <i>ACS Nano</i> , 2018, 12, 9558-9567.	15.1	44
222	The Expression of Transcription Factors Mecp2 and CREB Is Modulated in Inflammatory Pelvic Pain. <i>Frontiers in Systems Neuroscience</i> , 2018, 12, 69.	2.7	7
223	Acoustic confinement phenomena in oxide multifunctional nanophononic devices. <i>Physical Review Materials</i> , 2018, 2, .	2.5	7
224	<i>In Situ</i> Observation of Rh-CaTiO <sub>3</sub> Catalysts during Reduction and Oxidation Treatments by Transmission Electron Microscopy. <i>ACS Catalysis</i> , 2017, 7, 1579-1582.	11.5	55
225	Two-Dimensional Semiconductors Grown by Chemical Vapor Transport. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3611-3615.	14.6	101
226	Tunable, Endotaxial Inclusion of Crystalline Pt-Based Nanoparticles Inside a High-Quality Bronze TiO <sub>2</sub> Matrix. <i>Chemistry of Materials</i> , 2017, 29, 2016-2023.	6.9	2
227	High-surface-area, iron-oxide films prepared by atomic layer deposition on $\gamma$ -Al <sub>2</sub> O <sub>3</sub> . <i>Applied Catalysis A: General</i> , 2017, 534, 70-77.	4.5	39
228	Quantitative and Atomic-Scale View of CO-Induced Pt Nanoparticle Surface Reconstruction at Saturation Coverage via DFT Calculations Coupled with <i>In Situ</i> TEM and IR. <i>Journal of the American Chemical Society</i> , 2017, 139, 4551-4558.	14.5	207
229	High-Surface Area Ceria-Zirconia Films Prepared by Atomic Layer Deposition. <i>Catalysis Letters</i> , 2017, 147, 1464-1470.	2.7	16
230	In Situ Atomic-Scale Observation of the Two-Dimensional Co(OH) <sub>2</sub> Transition at Atmospheric Pressure. <i>Chemistry of Materials</i> , 2017, 29, 4572-4579.	6.9	26
231	Atomic-Scale Mechanisms of Defect-Induced Retention Failure in Ferroelectrics. <i>Nano Letters</i> , 2017, 17, 3556-3562.	9.4	45
232	High-resolution characterization of multiferroic heterojunction using aberration-corrected scanning transmission electron microscopy. <i>Applied Physics Letters</i> , 2017, 110, .	3.2	10
233	Uniform Pt/Pd Bimetallic Nanocrystals Demonstrate Platinum Effect on Palladium Methane Combustion Activity and Stability. <i>ACS Catalysis</i> , 2017, 7, 4372-4380.	11.5	130
234	Altered expression and modulation of the two-pore-domain (K <sub>2</sub> P) mechanogated potassium channel TREK-1 in overactive human detrusor. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F535-F546.	2.9	8

#	ARTICLE	IF	CITATIONS
235	Two-Dimensional Semiconductors Grown by Chemical Vapor Transport. <i>Angewandte Chemie</i> , 2017, 129, 3665-3669.	2.1	10
236	GaP/GaN Heterojunctions for Efficient Solar-Driven Water Oxidation. <i>Small</i> , 2017, 13, 1603574.	11.0	12
237	High-Performance Doped Silver Films: Overcoming Fundamental Material Limits for Nanophotonic Applications. <i>Advanced Materials</i> , 2017, 29, 1605177.	24.0	95
238	Atomic interpretation of high activity on transition metal and nitrogen-doped carbon nanofibers for catalyzing oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3336-3345.	10.4	89
239	Boosting phonon-induced luminescence in red fluoride phosphors via composition-driven structural transformations. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12105-12111.	5.5	11
240	Interfacial B-site atomic configuration in polar (111) and non-polar (001) SrIrO <sub>3</sub> /SrTiO <sub>3</sub> heterostructures. <i>APL Materials</i> , 2017, 5, .	4.7	3
241	In situ Study of Dynamics of CuAu Alloy Nanoparticles on Oxide Supports. <i>Microscopy and Microanalysis</i> , 2017, 23, 954-955.	0.4	0
242	Platinum-Based Nanowires as Active Catalysts toward Oxygen Reduction Reaction: In Situ Observation of Surface-Diffusion-Assisted, Solid-State Oriented Attachment. <i>Advanced Materials</i> , 2017, 29, 1703460.	24.0	111
243	Nanoscale Bubble Domains and Topological Transitions in Ultrathin Ferroelectric Films. <i>Advanced Materials</i> , 2017, 29, 1702375.	24.0	125
244	Increasing convex order on generalized aggregation of SAI random variables with applications. <i>Journal of Applied Probability</i> , 2017, 54, 685-700.	0.8	5
245	Catalyst Architecture for Stable Single Atom Dispersion Enables Site-Specific Spectroscopic and Reactivity Measurements of CO Adsorbed to Pt Atoms, Oxidized Pt Clusters, and Metallic Pt Clusters on TiO <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2017, 139, 14150-14165.	14.5	564
246	Epitaxial thin films of Dirac semimetal antiperovskite Cu <sub>3</sub> PdN. <i>APL Materials</i> , 2017, 5, .	4.7	13
247	An efficient and reliable growth method for epitaxial complex oxide films by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2017, 111, .	3.2	12
248	New Atomic-Scale Insight into Self-Regeneration of Pt-CaTiO <sub>3</sub> Catalysts: Incipient Redox-Induced Structures Revealed by a Small-Angle Tilting STEM Technique. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17348-17353.	3.2	27
249	Electron ptychographic microscopy for three-dimensional imaging. <i>Nature Communications</i> , 2017, 8, 163.	13.0	96
250	A strain-induced new phase diagram and unusually high Curie temperature in manganites. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7813-7819.	5.5	6
251	In situ atomic-scale observation of oxygen-driven core-shell formation in Pt <sub>3</sub> Co nanoparticles. <i>Nature Communications</i> , 2017, 8, 204.	13.0	111
252	Electron Ptychography: From 2D to 3D Reconstructions. <i>Microscopy and Microanalysis</i> , 2017, 23, 346-347.	0.4	0

#	ARTICLE	IF	CITATIONS
253	In-situ observation of Rh-CaTiO <sub>3</sub> catalysts during reduction and oxidation treatments by transmission electron microscopy. <i>Microscopy and Microanalysis</i> , 2017, 23, 948-949.	0.4	0
254	Interaction between Ferroelectric Polarization and Defects in BiFeO <sub>3</sub> Thin Films. <i>Microscopy and Microanalysis</i> , 2017, 23, 1604-1605.	0.4	0
255	Atomic-Scale Investigations of Domain Walls in Polycrystalline BiFeO <sub>3</sub> . <i>Microscopy and Microanalysis</i> , 2017, 23, 1618-1619.	0.4	0
256	Partial Ferroelastic Domain Mediated Ferroelectric Domain Switching. <i>Microscopy and Microanalysis</i> , 2017, 23, 1624-1625.	0.4	0
257	Transmission electron microscopy with atomic resolution under atmospheric pressures. <i>MRS Communications</i> , 2017, 7, 798-812.	1.8	25
258	Revealing Surface Elemental Composition and Dynamic Processes Involved in Facet-Dependent Oxidation of Pt <sub>3</sub> Co Nanoparticles via <i>in Situ</i> Transmission Electron Microscopy. <i>Nano Letters</i> , 2017, 17, 4683-4688.	9.4	74
259	High-surface-area ceria prepared by ALD on Al <sub>2</sub> O <sub>3</sub> support. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 430-437.	20.4	59
260	Adsorbate-mediated strong metal-support interactions in oxide-supported Rh catalysts. <i>Nature Chemistry</i> , 2017, 9, 120-127.	14.1	665
261	Calculation of the Electric Field Based on Average Momentum Transfer Using Pixelated Electron Detector in STEM. <i>Microscopy and Microanalysis</i> , 2017, 23, 2104-2105.	0.4	0
262	Giant Ferroelectric Polarization in Ultrathin Ferroelectrics via Boundary Condition Engineering. <i>Advanced Materials</i> , 2017, 29, 1701475.	24.0	50
263	Ex-situ and in-situ Microscopy Study of ZrO <sub>2</sub> -stabilized Pd/Al <sub>2</sub> O <sub>3</sub> Catalysts. <i>Microscopy and Microanalysis</i> , 2016, 22, 782-783.	0.4	0
264	Transmission Electron Microscopy at Atmospheric Pressure. <i>Microscopy and Microanalysis</i> , 2016, 22, 726-727.	0.4	0
265	Evolution of Au <sub>25</sub> (SR) <sub>18</sub> Nanoclusters on Ceria Surfaces during in situ Electron Beam Irradiation. <i>Microscopy and Microanalysis</i> , 2016, 22, 1278-1279.	0.4	0
266	Giant Resistive Switching via Control of Ferroelectric Charged Domain Walls. <i>Advanced Materials</i> , 2016, 28, 6574-6580.	24.0	83
267	Metastable honeycomb SrTiO <sub>3</sub> /SrIrO <sub>3</sub> heterostructures. <i>Applied Physics Letters</i> , 2016, 108, .	3.2	24
268	Size Effect on Spontaneous Flux-closure Domains in BiFeO <sub>3</sub> Thin Films. <i>Microscopy and Microanalysis</i> , 2016, 22, 1596-1597.	0.4	2
269	Towards 3D electron ptychographic reconstruction. <i>Microscopy and Microanalysis</i> , 2016, 22, 464-465.	0.4	0
270	High resolution characterization of grain boundaries in Cu <sub>2</sub> ZnSnSe <sub>4</sub> solar cells synthesized by nanoparticle selenization. <i>Solar Energy Materials and Solar Cells</i> , 2016, 157, 171-177.	6.2	4



#	ARTICLE	IF	CITATIONS
271	Revealing particle growth mechanisms by combining high-surface-area catalysts made with monodisperse particles and electron microscopy conducted at atmospheric pressure. Journal of Catalysis, 2016, 337, 240-247.	6.4	38
272	Polar metals by geometric design. Nature, 2016, 533, 68-72.	35.8	273
273	Enhanced conductivity at orthorhombic-rhombohedral phase boundaries in BiFeO <sub>3</sub> thin films. NPG Asia Materials, 2016, 8, e297-e297.	8.2	23
274	Controlled Synthesis of Lead-Free and Stable Perovskite Derivative Cs <sub>2</sub> Ni <sub>6</sub> Nanocrystals via a Facile Hot-Injection Process. Chemistry of Materials, 2016, 28, 8132-8140.	6.9	326
275	Switching the curl of polarization vectors by an irrotational electric field. Physical Review B, 2016, 94, .	3.3	19
276	Dynamical Observation and Detailed Description of Catalysts under Strong Metal-Support Interaction. Nano Letters, 2016, 16, 4528-4534.	9.4	247
277	Origin of the metal-insulator transition in ultrathin films of $L_{a-x}S_{x-2}S_{r-2}S_{m-2}$	3.3	86
278	In-situ Study of Coarsening Mechanisms of Supported Metal Particles in Reducing Gas. Microscopy and Microanalysis, 2015, 21, 643-644.	0.4	0
279	Atomic-scale Mechanisms of Defect-Induced Retention Failure in Ferroelectric Materials. Microscopy and Microanalysis, 2015, 21, 1307-1308.	0.4	0
280	Enhancement of Oxygen Contrast in a STEM HAADF Image of Perovskite Oxide SrTiO <sub>3</sub> Using Maximum Entropy Method. Microscopy and Microanalysis, 2015, 21, 123-124.	0.4	0
281	In situ electron microscopy of ferroelectric domains. MRS Bulletin, 2015, 40, 53-61.	4.1	13
282	Polarization-Dependent Raman Spectroscopy of Epitaxial TiO <sub>2</sub> (B) Thin Films. Chemistry of Materials, 2015, 27, 7896-7902.	6.9	32
283	A Joint Theoretical and Experimental Study of Phase Equilibria and Evolution in Pt-Doped Calcium Titanate under Redox Conditions. Chemistry of Materials, 2015, 27, 18-28.	6.9	13
284	Interface-related resistive switching in BiFeO <sub>3</sub> thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 1727-1731.	2.2	0
285	Magnetostratigraphy of the Kelasu section in the Baicheng depression, Southern Tian Shan, northwestern China. Journal of Asian Earth Sciences, 2015, 111, 492-504.	2.3	23
286	Dynamic structural evolution of supported palladium-ceria core-shell catalysts revealed by in situ electron microscopy. Nature Communications, 2015, 6, 7778.	13.0	106
287	Stochastic comparisons of weighted sums of arrangement increasing random variables. Statistics and Probability Letters, 2015, 102, 42-50.	0.8	8
288	Atomic structure of defects and interfaces in TiO <sub>2</sub> -B and Ca:TiO <sub>2</sub> -B (CaTi <sub>5</sub> O <sub>11</sub> ) films grown on SrTiO <sub>3</sub> . CrystEngComm, 2015, 17, 4309-4315.	2.4	6

#	ARTICLE	IF	CITATIONS
289	$\text{p-Si/SnO}_2/\text{Fe}_2\text{O}_3$ Core/Shell/Shell Nanowire Photocathodes for Neutral pH Water Splitting. <i>Advanced Functional Materials</i> , 2015, 25, 2609-2615.	16.3	47
290	Creating high quality $\text{CaTiO}_2\text{-B}$ ( $\text{CaTi}_5\text{O}_{11}$ ) and $\text{TiO}_2\text{-B}$ epitaxial thin films by pulsed laser deposition. <i>Chemical Communications</i> , 2015, 51, 8584-8587.	4.2	15
291	Atomic and electronic structures of superconducting $\text{BaFe}_2\text{As}_2$ . <i>Physical Review B</i> , 2015, 91, .		
292	Enhanced electrical and magnetic properties in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ thin films deposited on $\text{CaTiO}_3$ -buffered silicon substrates. <i>APL Materials</i> , 2015, 3, 062504.	4.7	19
293	Lithiation of Rutile $\text{TiO}_2$ -Coated Si NWs Observed by in Situ TEM. <i>Chemistry of Materials</i> , 2015, 27, 6929-6933.	6.9	17
294	Improved Thermal Stability and Methane-Oxidation Activity of $\text{Pd/Al}_2\text{O}_3$ Catalysts by Atomic Layer Deposition of $\text{ZrO}_2$ . <i>ACS Catalysis</i> , 2015, 5, 5696-5701.	11.5	122
295	Comparison of precious metal doped and impregnated perovskite oxides for TWC application. <i>Catalysis Today</i> , 2015, 258, 535-542.	4.8	24
296	In-situ TEM Observation of Electrochemical Cycling of a $\text{Si/TiO}_2$ Composite NW. <i>Microscopy and Microanalysis</i> , 2014, 20, 454-455.	0.4	0
297	Robust topological surface state in Kondo insulator $\text{SmB}_6$ thin films. <i>Applied Physics Letters</i> , 2014, 105, 222403.	3.2	42
298	Plasmonic tuning of aluminum doped zinc oxide nanostructures by atomic layer deposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 948-952.	2.4	26
299	Epitaxial growth of $\text{ZnO}$ on (111) Si free of an amorphous interlayer. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 105302.	2.9	9
300	Syntectonic emplacement of Late Cretaceous mafic dyke swarms in coastal southeastern China: Insights from magnetic fabrics, rock magnetism and field evidence. <i>Tectonophysics</i> , 2014, 637, 328-340.	2.2	13
301	Atomic and electronic structures of lattice mismatched $\text{Cu}_2\text{O/TiO}_2$ interfaces. <i>Applied Physics Letters</i> , 2014, 104, .	3.2	7
302	Estrous Cycle Dependent Fluctuations of Regulatory Neuropeptides in the Lower Urinary Tract of Female Rats upon Colon-Bladder Cross-Sensitization. <i>PLoS ONE</i> , 2014, 9, e94872.	2.5	7
303	Nature of the two-step temperature-programmed decomposition of $\text{PdO}$ supported on alumina. <i>Applied Catalysis A: General</i> , 2014, 475, 420-426.	4.5	23
304	Elastic strain engineering of ferroic oxides. <i>MRS Bulletin</i> , 2014, 39, 118-130.	4.1	399
305	A perturbation theory study of electron vortices in electromagnetic fields: The case of infinitely long line charge and magnetic dipole. <i>Micron</i> , 2014, 63, 9-14.	2.2	2
306	Electronic Properties of Isosymmetric Phase Boundaries in Highly Strained $\text{Ca}^{\delta}$ -Doped $\text{BiFeO}_3$ . <i>Advanced Materials</i> , 2014, 26, 4376-4380.	24.0	68

#	ARTICLE	IF	CITATIONS
307	Ferroelastic domain switching dynamics under electrical and mechanical excitations. <i>Nature Communications</i> , 2014, 5, 3801.	13.0	140
308	Response of the human detrusor to stretch is regulated by TREK <sup>1</sup> , a two-pore domain (K <sub>2</sub> P <sub>2</sub> ) mechano-gated potassium channel. <i>Journal of Physiology</i> , 2014, 592, 3013-3030.	2.9	27
309	Water-Free Titania "Bronze Thin Films with Superfast Lithium-Ion Transport. <i>Advanced Materials</i> , 2014, 26, 7365-7370.	24.0	31
310	Coronavirus-induced demyelination of neural pathways triggers neurogenic bladder overactivity in a mouse model of multiple sclerosis. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F612-F622.	2.9	19
311	In situ TEM observation of the structural transformation of rutile TiO <sub>2</sub> nanowire during electrochemical lithiation. <i>Chemical Communications</i> , 2014, 50, 9932.	4.2	35
312	Electrochemical dynamics of nanoscale metallic inclusions in dielectrics. <i>Nature Communications</i> , 2014, 5, 4232.	13.0	531
313	Origins of interlayer formation and misfit dislocation displacement in the vicinity of InAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2014, 105, 032107.	3.2	2
314	Monodispersed mesoporous silica spheres with various mesopore symmetries. <i>Journal of Colloid and Interface Science</i> , 2014, 418, 61-65.	9.5	13
315	Investigation of the stability of Platinum nanoparticles incorporated in mesoporous silica with different pore sizes. <i>Journal of Colloid and Interface Science</i> , 2014, 421, 22-26.	9.5	6
316	First-order morphological transition of ferroelastic domains in ferroelectric thin films. <i>Acta Materialia</i> , 2014, 75, 188-197.	7.9	16
317	Mechanical and Electrical Control of Charged Domain Walls in Ferroelectric Materials. <i>Microscopy and Microanalysis</i> , 2014, 20, 1546-1547.	0.4	0
318	Lack of transient receptor potential vanilloid 1 channel modulates the development of neurogenic bladder dysfunction induced by cross-sensitization in afferent pathways. <i>Journal of Neuroinflammation</i> , 2013, 10, 3.	7.4	20
319	Mechanisms of InAs/GaAs quantum dot formation during annealing of In islands. <i>Applied Physics Letters</i> , 2013, 103, .	3.2	8
320	Phase Transitions, Phase Coexistence, and Piezoelectric Switching Behavior in Highly Strained BiFeO <sub>3</sub> Films. <i>Advanced Materials</i> , 2013, 25, 5561-5567.	24.0	87
321	ZnO/CuO Heterojunction Branched Nanowires for Photoelectrochemical Hydrogen Generation. <i>ACS Nano</i> , 2013, 7, 11112-11120.	15.1	283
322	Atomic-scale mechanisms of ferroelastic domain-wall-mediated ferroelectric switching. <i>Nature Communications</i> , 2013, 4, .	13.0	157
323	Enhancing thermopower and hole mobility in bulk p-type half-Heuslers using full-Heusler nanostructures. <i>Nanoscale</i> , 2013, 5, 9419.	5.7	45
324	Atomic Scale Structure Changes Induced by Charged Domain Walls in Ferroelectric Materials. <i>Nano Letters</i> , 2013, 13, 5218-5223.	9.4	59

#	ARTICLE	IF	CITATIONS
325	Three-dimensional ZnO/Si broom-like nanowire heterostructures as photoelectrochemical anodes for solar energy conversion. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 2561-2568.	1.9	9
326	Epitaxial Al <sub>2</sub> O <sub>3</sub> capacitors for low microwave loss superconducting quantum circuits. <i>APL Materials</i> , 2013, 1, .	4.7	9
327	Tuning properties of columnar nanocomposite oxides. <i>Applied Physics Letters</i> , 2013, 103, 043112.	3.2	10
328	$\text{BiFeO}_3$ Domain Wall Energies and Structures: A Combined Experimental and Density Functional Theory Study. <i>Physical Review Letters</i> , 2013, 110, 267601.	8.0	61
329	Gap states in Pentacene Thin Film Induced by Inert Gas Exposure. <i>Physical Review Letters</i> , 2013, 110, 267602.	8.0	114
330	Controlled synthesis of spinel ZnFe <sub>2</sub> O <sub>4</sub> decorated ZnO heterostructures as peroxidase mimetics for enhanced colorimetric biosensing. <i>Chemical Communications</i> , 2013, 49, 7656.	4.2	71
331	Artificially engineered superlattices of pnictide superconductors. <i>Nature Materials</i> , 2013, 12, 392-396.	26.3	71
332	Alumina supported Pt-Mo <sub>2</sub> C catalysts for the water-gas shift reaction. <i>Journal of Catalysis</i> , 2013, 304, 92-99.	6.4	40
333	Large Enhancements of Thermopower and Carrier Mobility in Quantum Dot Engineered Bulk Semiconductors. <i>Journal of the American Chemical Society</i> , 2013, 135, 7486-7495.	14.5	115
334	Differential effects of intravesical resiniferatoxin on excitability of bladder spinal neurons upon colon-bladder cross-sensitization. <i>Brain Research</i> , 2013, 1491, 213-224.	2.3	16
335	Epitaxial growth of ZnTe on GaSb(100) using in situ ZnCl <sub>2</sub> surface clean. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2013, 31, 03C118.	1.3	2
336	Surface-termination-dependent Pd bonding and aggregation of nanoparticles on LaFeO <sub>3</sub> (001). <i>Journal of Chemical Physics</i> , 2013, 138, 144705.	3.0	10
337	Bladder outlet obstruction triggers neural plasticity in sensory pathways and contributes to impaired sensitivity in erectile dysfunction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R837-R845.	1.8	8
338	ON ORDERINGS BETWEEN WEIGHTED SUMS OF RANDOM VARIABLES. <i>Probability in the Engineering and Informational Sciences</i> , 2013, 27, 85-97.	1.0	7
339	Combinatorial search of superconductivity in Fe-B composition spreads. <i>APL Materials</i> , 2013, 1, .	4.7	20
340	Some inequalities of linear combinations of independent random variables: II. <i>Bernoulli</i> , 2013, 19, .	1.4	7
341	Magnetic and structural properties of BiFeO <sub>3</sub> thin films grown epitaxially on SrTiO <sub>3</sub> /Si substrates. <i>Journal of Applied Physics</i> , 2013, 113, .	2.3	28
342	Anisotropic growth of zinc oxide pillars on silver nanoparticles by oblique angle deposition. <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 710-713.	1.2	0

#	ARTICLE	IF	CITATIONS
343	Reversible precipitation/dissolution of precious-metal clusters in perovskite-based catalyst materials: Bulk versus surface re-dispersion. <i>Journal of Catalysis</i> , 2012, 293, 145-148.	6.4	93
344	Analysis of defect-free GaSb/GaAs(001) quantum dots grown on the Sb-terminated (2 $\times$ 8) surface. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2012, 30, .	1.3	14
345	Electrical transport in ion beam created InAs nanospikes. <i>Nanotechnology</i> , 2012, 23, 315301.	2.7	1
346	Observation of conducting filament growth in nanoscale resistive memories. <i>Nature Communications</i> , 2012, 3, 732.	13.0	993
347	Evolution of self-assembled type-II ZnTe/ZnSe nanostructures: Structural and electronic properties. <i>Journal of Applied Physics</i> , 2012, 111, 093524.	2.3	1
348	Magma flow inferred from magnetic fabrics in Wanning gabbro pluton and diabase dykes, Hainan. <i>Science Bulletin</i> , 2012, 57, 1982-1989.	1.6	2
349	Direct Observations of Retention Failure in Ferroelectric Memories. <i>Advanced Materials</i> , 2012, 24, 1106-1110.	24.0	56
350	Enhancement of Ferroelectric Polarization Stability by Interface Engineering. <i>Advanced Materials</i> , 2012, 24, 1209-1216.	24.0	123
351	Poster: Polar Dielectrics, Optics, and Ionics. , 2012, , 633-663.		0
352	Dependence of Epitaxial $\text{Ba}_{1-x}\text{Co}_x\text{Fe}_2\text{As}_2$ Thin Films Properties on $\text{SrTiO}_3$ Template Thickness. <i>IEEE Transactions on Applied Superconductivity</i> , 2011, 21, 2882-2886.	1.6	8
353	Spontaneous Vortex Nanodomain Arrays at Ferroelectric Heterointerfaces. <i>Nano Letters</i> , 2011, 11, 828-834.	9.4	427
354	Spin-flip phenomena at the Co   graphene   Co interfaces. <i>Applied Physics Letters</i> , 2011, 98, .	3.2	12
355	Experimental evidence of ferroelectric negative capacitance in nanoscale heterostructures. <i>Applied Physics Letters</i> , 2011, 99, .	3.2	267
356	High Activity Carbide Supported Catalysts for Water Gas Shift. <i>Journal of the American Chemical Society</i> , 2011, 133, 2378-2381.	14.5	258
357	Self-Regeneration of Pd $\text{LaFeO}_3$ Catalysts: New Insight from Atomic-Resolution Electron Microscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 18090-18093.	14.5	97
358	Revealing the role of defects in ferroelectric switching with atomic resolution. <i>Nature Communications</i> , 2011, 2, 591.	13.0	221
359	Magnetostratigraphic Construct of Awate Section in the North Tarim Basin: the Impulse Uplift of Tianshan Range. <i>Chinese Journal of Geophysics</i> , 2011, 54, 334-342.	0.2	17
360	Self-assembled oxide nanopillars in epitaxial $\text{BaFe}_2\text{As}_2$ thin films for vortex pinning. <i>Applied Physics Letters</i> , 2011, 98, .	3.2	42

#	ARTICLE	IF	CITATIONS
361	Tailoring a two-dimensional electron gas at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> (001) interface by epitaxial strain. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4720-4724.	7.5	223
362	Template engineering of Co-doped BaFe <sub>2</sub> As <sub>2</sub> single-crystal thin films. , 2010, , 321-326.		0
363	Ferroelastic switching for nanoscale non-volatile magnetoelectric devices. Nature Materials, 2010, 9, 309-314.	26.3	424
364	Template engineering of Co-doped BaFe <sub>2</sub> As <sub>2</sub> single-crystal thin films. Nature Materials, 2010, 9, 397-402.	26.3	186
365	Optical properties of ZnO/Zn <sub>0.9</sub> Mg <sub>0.1</sub> O multiple quantum wells grown on (111) Si using buffer assisted pulsed-laser deposition. Journal of Applied Physics, 2010, 107, .	2.3	10
366	Strong vortex pinning in Co-doped BaFe <sub>2</sub> As <sub>2</sub> single crystal thin films. Applied Physics Letters, 2010, 96, .	3.2	68
367	Effect of GaN interlayer on polarity control of epitaxial ZnO thin films grown by molecular beam epitaxy. Applied Physics Letters, 2010, 97, .	3.2	10
368	Tunable band gap in Bi(Fe <sub>1-x</sub> Mnx)O <sub>3</sub> films. Applied Physics Letters, 2010, 96, .	3.2	71
369	Origin of Rh and Pd agglomeration on the $\text{CeO}_2$ Physical Review B, 2010, 82, .	3.3	18
370	Resistance switching in polycrystalline BiFeO <sub>3</sub> thin films. Applied Physics Letters, 2010, 97, .	3.2	139
371	Inter-granular glassy phases in the low-CaO-doped HfP <sub>3</sub> N <sub>4</sub> ceramics: a review. International Journal of Materials Research, 2010, 101, 66-74.	0.4	7
372	Microstructure, optical, and electrical properties of p-type SnO thin films. Applied Physics Letters, 2010, 96, .	3.2	155
373	Origin of suppressed polarization in BiFeO <sub>3</sub> films. Applied Physics Letters, 2010, 97, .	3.2	27
374	Vacancy-mediated diffusion of carbon in cobalt and its influence on CO activation. Physical Chemistry Chemical Physics, 2010, 12, 7848.	2.9	38
375	Study of defect-dipoles in an epitaxial ferroelectric thin film. Applied Physics Letters, 2010, 96, .	3.2	61
376	Effect of CdSe Nanoparticles on the Growth of Te Nanowires: Greater Length and Tortuosity and Nonmonotonic Concentration Effect. Journal of Physical Chemistry C, 2010, 114, 2428-2433.	3.2	3
377	Creation of a two-dimensional electron gas at an oxide interface on silicon. Nature Communications, 2010, 1, 94.	13.0	160
378	Experimental colitis triggers the release of substance P and calcitonin gene-related peptide in the urinary bladder via TRPV1 signaling pathways. Experimental Neurology, 2010, 225, 262-273.	4.1	73

#	ARTICLE	IF	CITATIONS
379	Ferroelectricity in Strain-Free $\text{SrTiO}_3$ Thin Films. Physical Review Letters, 2010, 104, 197601.	8.0	239
380	Bipolar resistance switching in multiferroic $\text{BiFeO}_3$ polycrystalline films. , 2010, , .		0
381	Structural and thermoelectric properties of $\text{Bi}_2\text{Sr}_2\text{Co}_2\text{O}_y$ thin films on $\text{LaAlO}_3$ (100) and fused silica substrates. Applied Physics Letters, 2009, 94, 022110.	3.2	38
382	Microstructure and transport properties of $\text{ZnO:Mn}$ diluted magnetic semiconductor thin films. Journal of Applied Physics, 2009, 105, 053708.	2.3	16
383	Epitaxial $\text{ZnO}$ films on (111) Si substrates with $\text{Sc}_2\text{O}_3$ buffer layers. Applied Physics Letters, 2009, 94, .	3.2	38
384	Temperature-dependent Hall and photoluminescence evidence for conduction-band edge shift induced by alloying $\text{ZnO}$ with magnesium. Applied Physics Letters, 2009, 95, .	3.2	10
385	Optical properties of antimony-doped p-type $\text{ZnO}$ films fabricated by pulsed laser deposition. Journal of Applied Physics, 2009, 105, .	2.3	33
386	Domain Engineering for Enhanced Ferroelectric Properties of Epitaxial (001) $\text{BiFeO}$ Thin Films. Advanced Materials, 2009, 21, 817-823.	24.0	281
387	Structural, optical, magnetic and electrical properties of $\text{Zn}_{1-x}\text{Co}_x\text{O}$ thin films. Journal of Materials Science: Materials in Electronics, 2009, 20, 60-73.	2.2	5
388	Weak-link behavior of grain boundaries in superconducting $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ bicrystals. Applied Physics Letters, 2009, 95, .	3.2	167
389	Stripe domain structure in epitaxial (001) $\text{BiFeO}_3$ thin films on orthorhombic $\text{TbScO}_3$ substrate. Applied Physics Letters, 2009, 94, .	3.2	77
390	Growth of $\text{ZnO}$ nanoparticles and nanorods with ultrafast pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2008, 93, 813-818.	2.4	31
391	A Thin Film Approach to Engineering Functionality into Oxides. Journal of the American Ceramic Society, 2008, 91, 2429-2454.	3.8	459
392	Violet luminescence in phosphorus-doped $\text{ZnO}$ epitaxial films. Applied Physics Letters, 2008, 92, .	3.2	24
393	Critical thickness of high structural quality $\text{SrTiO}_3$ films grown on orthorhombic (101) $\text{DyScO}_3$ . Journal of Applied Physics, 2008, 104, .	2.3	61
394	Effects of defects on the electrical and optical properties of $\text{ZnO}$ thin films. , 2008, , .		1
395	Strain-Induced Polarization Rotation in Epitaxial (001) $\text{BiFeO}_3$ Thin Films. Physical Review Letters, 2008, 101, 107602.	8.0	229
396	Electron carrier concentration dependent magnetization and transport properties in $\text{ZnO:Co}$ diluted magnetic semiconductor thin films. Journal of Applied Physics, 2008, 104, .	2.3	32

#	ARTICLE	IF	CITATIONS
397	Microstructure and electrical properties of p-type phosphorus-doped ZnO films. Journal Physics D: Applied Physics, 2008, 41, 025103.	2.9	19
398	Role of interface on structure and properties of epitaxial ferroelectric thin films. , 2008, , .		0
399	Electrical and optical properties of phosphorus-doped p-type ZnO films grown by metalorganic chemical vapor deposition. Journal of Applied Physics, 2008, 103, 023708.	2.3	48
400	ZnO epitaxy on (111) Si using epitaxial Lu <sub>2</sub> O <sub>3</sub> buffer layers. Applied Physics Letters, 2008, 92, .	3.2	41
401	Influence of symmetry mismatch on heteroepitaxial growth of perovskite thin films. Applied Physics Letters, 2008, 93, .	3.2	39
402	Optical band gap of BiFeO <sub>3</sub> grown by molecular-beam epitaxy. Applied Physics Letters, 2008, 92, .	3.2	351
403	Strain tunability of spontaneous polarization and enhanced ferroelectric properties in epitaxial (001) BiFeO <sub>3</sub> thin films. , 2008, , .		0
404	Epitaxial growth and magnetic properties of the first five members of the layered Sr <sub>n+1</sub> Ru <sub>n</sub> O <sub>3n+1</sub> oxide series. Applied Physics Letters, 2007, 90, 022507.	3.2	66
405	Microstructure and strain relaxation of epitaxial PrScO <sub>3</sub> thin films grown on (001) SrTiO <sub>3</sub> substrates. Applied Physics Letters, 2007, 91, .	3.2	10
406	Adsorption-controlled molecular-beam epitaxial growth of BiFeO <sub>3</sub> . Applied Physics Letters, 2007, 91, .	3.2	92
407	Interplay Between Grain Boundary Grooving, Stress, and Dealloying in the Agglomeration of NiSi <sub>1-x</sub> Ge <sub>x</sub> Films. Electrochemical and Solid-State Letters, 2007, 10, H53.	2.3	9
408	Preparation of p-type ZnMgO thin films by Sb doping method. Journal Physics D: Applied Physics, 2007, 40, 4241-4244.	2.9	22
409	Morphology, structure, and nucleation of out-of-phase boundaries (OPBs) in epitaxial films of layered oxides. Journal of Materials Research, 2007, 22, 1439-1471.	2.6	87
410	Ultrafast pulsed laser ablation for synthesis of nanocrystals. , 2007, , .		3
411	Fully Transparent Thin-Film Transistor Devices Based on SnO <sub>2</sub> Nanowires. Nano Letters, 2007, 7, 2463-2469.	9.4	287
412	Ultrafast pulsed laser ablation for synthesis of nanocrystals. , 2007, , .		1
413	Nanoparticle generation in ultrafast pulsed laser ablation of nickel. Applied Physics Letters, 2007, 90, 044103.	3.2	85
414	Ferroelectric domain structures of epitaxial (001) BiFeO <sub>3</sub> thin films. Applied Physics Letters, 2007, 90, 072907.	3.2	74



#	ARTICLE	IF	CITATIONS
415	Microstructure and properties of epitaxial antimony-doped p-type ZnO films fabricated by pulsed laser deposition. Applied Physics Letters, 2007, 90, 242108.	3.2	80
416	Acoustic Bragg mirrors and cavities made using piezoelectric oxides. Applied Physics Letters, 2007, 90, 042909.	3.2	34
417	Interface structure and strain relaxation in BaTiO <sub>3</sub> thin films grown on GdScO <sub>3</sub> and DyScO <sub>3</sub> substrates with buried coherent SrRuO <sub>3</sub> layer. Applied Physics Letters, 2007, 91, .	3.2	31
418	Effect of alloy composition on dispersion stability and catalytic activity for NO oxidation over alumina-supported Pt/Pd catalysts. Catalysis Letters, 2007, 116, 1-8.	2.7	82
419	Synthesis and ferroelectric properties of epitaxial BiFeO <sub>3</sub> thin films grown by sputtering. Applied Physics Letters, 2006, 88, 242904.	3.2	253
420	Structure, optical, and magnetic properties of sputtered manganese and nitrogen-codoped ZnO films. Applied Physics Letters, 2006, 88, 082111.	3.2	71
421	High-Performance Transparent Conducting Oxide Nanowires. Nano Letters, 2006, 6, 2909-2915.	9.4	188
422	Nano- $\gamma$ -Al <sub>2</sub> O <sub>3</sub> by liquid-feed flame spray pyrolysis. Nature Materials, 2006, 5, 710-712.	26.3	94
423	Single domain strain relaxed PrScO <sub>3</sub> template on miscut substrates. Applied Physics Letters, 2006, 89, 221904.	3.2	14
424	Substitution-induced phase transition and enhanced multiferroic properties of Bi <sub>1-x</sub> LaxFeO <sub>3</sub> ceramics. Applied Physics Letters, 2006, 88, 162901.	3.2	353
425	Structural evidence for enhanced polarization in a commensurate short-period BaTiO <sub>3</sub> /SrTiO <sub>3</sub> superlattice. Applied Physics Letters, 2006, 89, 092905.	3.2	82
426	Ferromagnetism in inhomogeneous Zn <sub>1-x</sub> CoxO thin films. Journal of Applied Physics, 2006, 100, 063910.	2.3	45
427	A New Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> Phase Produced by Liquid-Feed Flame Spray Pyrolysis (LF-FSP). Advanced Materials, 2005, 17, 830-833.	24.0	74
428	Formation and evolution of epitaxial Co <sub>5</sub> Ge <sub>7</sub> on Ge(001) surface by reactive deposition inside an ultrahigh-vacuum transmission electron microscope. Applied Physics Letters, 2005, 86, 071904.	3.2	22
429	Formation and evolution of epitaxial Co <sub>5</sub> Ge <sub>7</sub> film on Ge (001) surface by solid-state reaction in an in situ ultrahigh-vacuum transmission electron microscope. Applied Physics Letters, 2005, 87, 211909.	3.2	16
430	Structural and transport properties of epitaxial Na <sub>x</sub> CoO <sub>2</sub> thin films. Applied Physics Letters, 2005, 87, 172104.	3.2	21
431	Hexagonal close-packed Ni nanostructures grown on the (001) surface of MgO. Applied Physics Letters, 2005, 86, 131915.	3.2	77
432	NiGe on Ge(001) by reactive deposition epitaxy: An in situ ultrahigh-vacuum transmission-electron microscopy study. Applied Physics Letters, 2005, 86, 201908.	3.2	15

#	ARTICLE	IF	CITATIONS
433	Ordered arrays of highly oriented single-crystal semiconductor nanoparticles on silicon substrates. <i>Nanotechnology</i> , 2005, 16, 1892-1898.	2.7	24
434	Bismuth manganite: A multiferroic with a large nonlinear optical response. <i>Physical Review B</i> , 2004, 69, .	3.3	98
435	Evolution of dislocation arrays in epitaxial BaTiO <sub>3</sub> thin films grown on (100) SrTiO <sub>3</sub> . <i>Applied Physics Letters</i> , 2004, 84, 3298-3300.	3.2	123
436	Microstructure and crystal defects in epitaxial ZnO film grown on Ga modified (0001) sapphire surface. <i>Applied Physics Letters</i> , 2004, 85, 4385.	3.2	33
437	Epitaxial growth and properties of metastable BiMnO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , 2004, 84, 91-93.	3.2	91
438	Structural evolution of dislocation half-loops in epitaxial BaTiO <sub>3</sub> thin films during high-temperature annealing. <i>Applied Physics Letters</i> , 2004, 85, 1967-1969.	3.2	32
439	Microstructure of ZnO shell on Zn nanoparticles. <i>Journal of Materials Research</i> , 2004, 19, 3062-3067.	2.6	9
440	Room-temperature ferroelectricity in strained SrTiO <sub>3</sub> . <i>Nature</i> , 2004, 430, 758-761.	35.8	1,888
441	Liquid-Feed Flame Spray Pyrolysis of Nanopowders in the Alumina-Titania System. <i>Chemistry of Materials</i> , 2004, 16, 2336-2343.	6.9	49
442	Size effects in ultrathin epitaxial ferroelectric heterostructures. <i>Applied Physics Letters</i> , 2004, 84, 5225-5227.	3.2	113
443	Absence of low-temperature phase transitions in epitaxial BaTiO <sub>3</sub> thin films. <i>Physical Review B</i> , 2004, 69, .	3.3	84
444	Enhancement of Ferroelectricity in Strained BaTiO <sub>3</sub> Thin Films. <i>Science</i> , 2004, 306, 1005-1009.	19.8	1,715
445	Very high upper critical fields in MgB <sub>2</sub> produced by selective tuning of impurity scattering. <i>Superconductor Science and Technology</i> , 2004, 17, 278-286.	3.4	284
446	Growth and Structural Evolution of Nanosized Ni on (001) MgO by in situ TEM. <i>Microscopy and Microanalysis</i> , 2004, 10, 272-273.	0.4	1
447	Deposition and Properties of Superconducting MgB <sub>2</sub> Thin Films. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003, 16, 801-806.	0.5	8
448	Domain structure of epitaxial Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films grown on (001) SrTiO <sub>3</sub> substrates. <i>Applied Physics Letters</i> , 2003, 83, 2315-2317.	3.2	29
449	Critical current density and resistivity of MgB <sub>2</sub> films. <i>Applied Physics Letters</i> , 2003, 83, 102-104.	3.2	75
450	Flux pinning enhancement in ferromagnetic and superconducting thin-film multilayers. <i>Applied Physics Letters</i> , 2003, 82, 778-780.	3.2	68

#	ARTICLE	IF	CITATIONS
451	Structural and electrical properties of c-axis epitaxial homologous $\text{Sr}_{m-3}\text{Bi}_4\text{Ti}_m\text{O}_{3m+3}$ ( $m=3, 4, 5$ , and 6) thin films. Applied Physics Letters, 2003, 83, 3891-3893.	2.3	14
452	Defect generation by preferred nucleation in epitaxial $\text{Sr}_2\text{RuO}_4/\text{LaAlO}_3$ . Applied Physics Letters, 2003, 83, 3891-3893.	3.2	22
453	Structural and electrical properties of c-axis epitaxial and polycrystalline $\text{Sr}_3\text{Bi}_4\text{Ti}_6\text{O}_{21}$ thin films. Journal of Physics Condensed Matter, 2003, 15, 1223-1233.	1.8	5
454	Epitaxial $\text{SnO}_2$ thin films grown on (111,012) sapphire by femtosecond pulsed laser deposition. Journal of Applied Physics, 2002, 91, 1060-1065.	2.3	83
455	Epitaxial La-doped $\text{SrTiO}_3$ on silicon: A conductive template for epitaxial ferroelectrics on silicon. Applied Physics Letters, 2002, 80, 4801-4803.	3.2	57
456	Effect of crystal defects on the electrical properties in epitaxial tin dioxide thin films. Applied Physics Letters, 2002, 81, 5168-5170.	3.2	76
457	Epitaxial growth and dielectric properties of homologous $\text{Sr}_{m-3}\text{Bi}_4\text{Ti}_m\text{O}_{3m+3}$ ( $m=3,4,5,6$ ) thin films. Applied Physics Letters, 2002, 81, 5009-5011.	3.2	13
458	Interfacial structure of epitaxial $\text{MgB}_2$ thin films grown on (0001) sapphire. Applied Physics Letters, 2002, 81, 685-687.	3.2	33
459	Thermodynamics and thin film deposition of $\text{MgB}_2$ superconductors. Superconductor Science and Technology, 2002, 15, 451-457.	3.4	27
460	<i>In vacuo</i> Pulsed Laser Ablation of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Target for the Formation of $\text{Y}_2\text{O}_3$ Nanostructures. Journal of Materials Research, 2002, 17, 697-700.	2.6	3
461	Synthesis and properties of c-axis oriented epitaxial $\text{MgB}_2$ thin films. Applied Physics Letters, 2002, 81, 1851-1853.	3.2	85
462	High-resolution transmission electron microscopy study of defects and interfaces in epitaxial $\text{TiO}_2$ films on sapphire and $\text{LaAlO}_3$ . Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2002, 82, 735-749.	0.6	14
463	Transmission Electron Microscopy Studies of Epitaxial Superconducting $\text{MgB}_2$ Thin Film. Microscopy and Microanalysis, 2002, 8, 1364-1365.	0.4	0
464	Strain Relaxation by Misfit Dislocations in Nanoscale Epitaxial Ferroelectric $\text{BaTiO}_3$ Films Grown on $\text{SrTiO}_3$ Substrate. Microscopy and Microanalysis, 2002, 8, 1162-1163.	0.4	2
465	Aliovalent Dopant Distribution in Nanocrystalline Tin Dioxide Thin Films Studied by XRay Energy Dispersive Spectroscopy. Microscopy and Microanalysis, 2002, 8, 1168-1169.	0.4	0
466	Characteristics of Palladium Particles on Tin Dioxide Thin Films Studied by Transmission Electron Microscopy. Microscopy and Microanalysis, 2002, 8, 1154-1155.	0.4	0
467	In situ epitaxial $\text{MgB}_2$ thin films for superconducting electronics. Nature Materials, 2002, 1, 35-38.	26.3	379
468	Perovskite phase stabilization in epitaxial $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ $\text{PbTiO}_3$ films by deposition onto vicinal (001) $\text{SrTiO}_3$ substrates. Applied Physics Letters, 2001, 79, 3482-3484.	3.2	74

#	ARTICLE	IF	CITATIONS
469	Probing domain microstructure in ferroelectric Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films by optical second harmonic generation. <i>Journal of Applied Physics</i> , 2001, 89, 1387-1392.	2.3	47
470	Nonorthogonal Twining in Epitaxial SrRuO <sub>3</sub> Thin Films Grown on (001) LaAlO <sub>3</sub> . <i>Microscopy and Microanalysis</i> , 2001, 7, 332-333.	0.4	0
471	TEM Study of the Effect of the Sapphire Substrate Surface Orientation on the Microstructure of Tin Dioxide Films. <i>Microscopy and Microanalysis</i> , 2001, 7, 1220-1221.	0.4	1
472	Microstructure and electrical properties of epitaxial SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> And SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> films. <i>Integrated Ferroelectrics</i> , 2001, 33, 27-37.	0.7	4
473	Transmission electron microscopy study of $\text{Sr}_{1-x}\text{Ti}_{1-x}\text{O}_{3+1-x}$ epitaxial thin films. <i>Journal of Materials Research</i> , 2001, 16, 2013-2026.	2.6	66
474	Microstructure and growth mechanism of epitaxial SrRuO <sub>3</sub> thin films on (001) LaAlO <sub>3</sub> substrates. <i>Journal of Applied Physics</i> , 2001, 89, 6365-6369.	2.3	43
475	Epitaxial nanocrystalline tin dioxide thin films grown on (0001) sapphire by femtosecond pulsed laser deposition. <i>Applied Physics Letters</i> , 2001, 79, 614-616.	3.2	67
476	Magnetotransport in manganite trilayer junctions grown by 90° off-axis sputtering. <i>Applied Physics Letters</i> , 2001, 79, 233-235.	3.2	27
477	Structure-property relationship of nanocrystalline tin dioxide thin films grown on (1̄,012) sapphire. <i>Journal of Applied Physics</i> , 2001, 89, 6056-6061.	2.3	31
478	Oxidation and phase transitions of epitaxial tin oxide thin films on (1̄,012) sapphire. <i>Journal of Applied Physics</i> , 2001, 89, 6048-6055.	2.3	133
479	Epitaxial growth of the first five members of the Sr <sub>n+1</sub> Ti <sub>n</sub> O <sub>3n+1</sub> Ruddlesden-Popper homologous series. <i>Applied Physics Letters</i> , 2001, 78, 3292-3294.	3.2	161
480	Superconducting properties of nanocrystalline MgB <sub>2</sub> thin films made by in situ annealing process. <i>Applied Physics Letters</i> , 2001, 79, 1840-1842.	3.2	75
481	Epitaxial thin films of hexagonal BaRuO <sub>3</sub> on (001) SrTiO <sub>3</sub> . <i>Applied Physics Letters</i> , 2001, 78, 329-331.	3.2	20
482	The Importance of <i>In Situ</i> Monitors in the Preparation of Layered Oxide Heterostructures by Reactive MBE. <i>Materials Research Society Symposia Proceedings</i> , 2000, 619, 105.	0.1	2
483	Interfacial Structure of BaRuO <sub>3</sub> Thin Films Grown On (111) SrTiO <sub>3</sub> . <i>Materials Research Society Symposia Proceedings</i> , 2000, 654, 241.	0.1	0
484	Effect of Substrate Surface Structure and Deposition Conditions on the Microstructure of Tin Dioxide Thin Films Synthesized by Femtosecond Pulsed Laser Deposition. <i>Materials Research Society Symposia Proceedings</i> , 2000, 654, 3451.	0.1	0
485	Structure-Property Relationships of Tin Dioxide Thin Films Grown on Sapphire Substrates by Femtosecond Pulsed Laser Deposition. <i>Materials Research Society Symposia Proceedings</i> , 2000, 654, 771.	0.1	0
486	Strain-Induced Elevation of the Spontaneous Polarization in BaTiO <sub>3</sub> Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2000, 655, 416.	0.1	3

#	ARTICLE	IF	CITATIONS
487	Electrical Properties of Doped Tin Dioxide Thin Films Deposited Using Femtosecond Pulsed Laser Ablation.. Materials Research Society Symposia Proceedings, 2000, 654, 731.	0.1	0
488	Interfacial Structure of Metastable 4H-BaRuO <sub>3</sub> Thin Film on (111) SrTiO <sub>3</sub> Substrate. Microscopy and Microanalysis, 2000, 6, 1066-1067.	0.4	0
489	Transmission Electron Microscopy Study of Tin Oxide Thin Films Deposited on the Sapphire Substrate. Microscopy and Microanalysis, 2000, 6, 442-443.	0.4	0
490	Strained BaTiO <sub>3</sub> / SrTiO <sub>3</sub> Superlattice Grwon by Reactive Molecular Beam Epitaxy. Microscopy and Microanalysis, 2000, 6, 400-401.	0.4	0
491	Microstructure of BaRuO <sub>3</sub> thin films grown on (001) SrTiO <sub>3</sub> . Applied Physics Letters, 2000, 77, 1985-1987.	3.2	6
492	Transmission electron microscopy structure and platinum-like temperature coefficient of resistance in a ruthenate-based thick film resistor with copper oxide. Journal of Applied Physics, 2000, 88, 1124-1128.	2.3	10
493	Synthesis and properties of epitaxial thin films of c-axis oriented metastable four-layered hexagonal BaRuO <sub>3</sub> . Applied Physics Letters, 2000, 77, 364-366.	3.2	21
494	<title>Diagnostics for femtosecond and nanosecond laser-ablation discharge plasmas as used in thin film growth</title>. , 2000, 3935, 86.		10
495	Atomic Structure Of Epitaxial Thin Films Of The Sr <sub>n+1</sub> Ti <sub>n</sub> O <sub>3n+1</sub> Ruddlesden-Popper Homologous Series. Microscopy and Microanalysis, 1999, 5, 114-115.	0.4	1
496	Effect Of The Substrate Surface Termination On The Structure Of The Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> / SrTiO <sub>3</sub> Interface. Microscopy and Microanalysis, 1999, 5, 104-105.	0.4	0
497	Effects of stress relaxation of epitaxial SrRuO <sub>3</sub> thin film on microstructures. Journal of Applied Physics, 1999, 86, 4188-4191.	2.3	11
498	Abrupt PbTiO <sub>3</sub> /SrTiO <sub>3</sub> superlattices grown by reactive molecular beam epitaxy. Applied Physics Letters, 1999, 74, 2851-2853.	3.2	133
499	Investigation of Growth Evolution in c-Axis SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> Epitaxial Thin Films. Materials Research Society Symposia Proceedings, 1999, 574, 31.	0.1	2
500	Synthesis and Properties of Epitaxial Thin Films of c-axis Oriented Metastable Four-Layered Hexagonal BaRuO <sub>3</sub> . Materials Research Society Symposia Proceedings, 1999, 602, 55.	0.1	0
501	Dopant Distribution in Grain-Boundary Films in Calcia-Doped Silicon Nitride Ceramics. Journal of the American Ceramic Society, 1998, 81, 3125-3135.	3.8	79
502	Adsorption-controlled growth of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> by reactive MBE. Applied Physics Letters, 1998, 72, 2817-2819.	3.2	68
503	Domain structure of epitaxial SrRuO <sub>3</sub> thin films on miscut (001) SrTiO <sub>3</sub> substrates. Applied Physics Letters, 1998, 72, 2963-2965.	3.2	91
504	Microstructure of epitaxial SrRuO <sub>3</sub> thin films on (001) SrTiO <sub>3</sub> . Applied Physics Letters, 1998, 72, 909-911.	3.2	54

#	ARTICLE	IF	CITATIONS
505	Transmission Electron Microscopy Studies of Pd Encapsulation by Ceria-Zirconia Oxides. <i>Microscopy and Microanalysis</i> , 1998, 4, 724-725.	0.4	0
506	Microstructure of PbTiO <sub>3</sub> /SrTiO <sub>3</sub> Superlattice Grown by MBE. <i>Microscopy and Microanalysis</i> , 1998, 4, 576-577.	0.4	0
507	Microstructure and Strain Relaxation of Epitaxial SrRuO <sub>3</sub> Films. <i>Microscopy and Microanalysis</i> , 1998, 4, 580-581.	0.4	0
508	Quantitative Comparison of Transmission Electron Microscopy Techniques for the Study of Localized Ordering on a Nanoscale. <i>Journal of the American Ceramic Society</i> , 1998, 81, 597-605.	3.8	28
509	Microstructure and Chemistry of Intergranular Glassy Films in Liquid-Phase-Sintered Alumina. <i>Journal of the American Ceramic Society</i> , 1998, 81, 369-379.	3.8	111
510	Atomic-scale structure of a SrTiO <sub>3</sub> bicrystal boundary studied by scanning tunneling microscopy. <i>Physical Review B</i> , 1997, 56, 6947-6951.	3.3	13
511	Transient Growth Bands in Silicon Nitride Cooled in Rare-Earth-Based Glass. <i>Journal of the American Ceramic Society</i> , 1997, 80, 1397-1404.	3.8	19
512	Atomistic Structure of Silicon Nitride/Silicate Glass Interfaces. <i>Journal of the American Ceramic Society</i> , 1996, 79, 2975-2979.	3.8	16
513	Crystallographic shear planes in nanocrystalline SnO <sub>2</sub> thin films by high-resolution transmission electron microscopy. <i>Journal of Materials Science</i> , 1996, 31, 2317-2324.	3.7	11
514	Silicon nitride crystal structure and observations of lattice defects. <i>Journal of Materials Science</i> , 1996, 31, 5281-5298.	3.7	119
515	Grain-Boundary Microstructure and Chemistry of a Hot Isostatically Pressed High-Purity Silicon Nitride. <i>Journal of the American Ceramic Society</i> , 1996, 79, 2313-2320.	3.8	43
516	Origin of dislocation loops in $\beta$ -silicon nitride. <i>Journal of Materials Research</i> , 1996, 11, 1725-1732.	2.6	2
517	Growth twins in nanocrystalline SnO <sub>2</sub> thin films by high-resolution transmission electron microscopy. <i>Journal of Applied Physics</i> , 1996, 79, 7688-7694.	2.3	32
518	Silicon Nitride Based Ceramic Nanocomposites. <i>Journal of the American Ceramic Society</i> , 1996, 79, 585-590.	3.8	73
519	Grain Boundary Films in Rare-Earth-Glass-Based Silicon Nitride. <i>Journal of the American Ceramic Society</i> , 1996, 79, 788-792.	3.8	150
520	A study of the relaxation of discommensurations in K <sub>2</sub> ZnCl <sub>4</sub> III. Measurements of the complex dielectric constant. <i>Journal of Physics Condensed Matter</i> , 1992, 4, 6909-6918.	1.8	7
521	A study of the relaxation of discommensurations in K <sub>2</sub> ZnCl <sub>4</sub> . II. Dielectric measurements at low frequency. <i>Journal of Physics Condensed Matter</i> , 1992, 4, 6899-6908.	1.8	10
522	Nucleation and Annihilation of Discommensurations in the First-Order Commensurate-Incommensurate Phase Transition in K <sub>2</sub> ZnCl <sub>4</sub> . <i>Journal of the Physical Society of Japan</i> , 1990, 59, 1079-1092.	1.6	35

#	ARTICLE	IF	CITATIONS
523	Dynamic evolution of discommensurations during the commensurate-incommensurate transition in barium sodium niobate. <i>Journal of Physics Condensed Matter</i> , 1990, 2, 2603-2623.	1.8	1
524	TEM study of the 1q to 2q transition within the incommensurate phase of barium sodium niobate. <i>Ferroelectrics</i> , 1990, 105, 225-230.	0.6	7
525	A HREM study on the defects in $\text{Y}_{1-x}\text{Ba}_x\text{CuO}$ superconductors. <i>Physica Status Solidi A</i> , 1988, 107, 63-72.	0.5	2
526	Atomic structures and dynamic behaviors of domain walls in ferroelectric thin films. , 0, , 944-945.		0
527	Observation of conducting filament growth in nanoscale resistive memories. <i>Nature Communications</i> , 0, .	13.0	1