

Koji Kimoto

List of Publications by Year in descending order

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247
papers

9,413
citations

70961

41
h-index

45213

90
g-index

255
all docs

255
docs citations

255
times ranked

9873
citing authors

#	ARTICLE	IF	CITATIONS
1	High-endurance micro-engineered LaB ₆ nanowire electron source for high-resolution electron microscopy. <i>Nature Nanotechnology</i> , 2022, 17, 21-26.	15.6	17
2	Surface Plasmon Tunability of Core-Shell Au@Mo ₆ Nanoparticles by Shell Thickness Modification. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2150-2157.	2.1	6
3	Crystal structure and electronic property modification of CaMnO_2 thin films via fluorine doping. <i>Physical Review Materials</i> , 2022, 6, .		
4	Fluorine-Assisted Low-Temperature Synthesis of GaN:ZnO-Related Solid Solutions with Visible-Light Photoresponse. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19756-19765.	4.0	3
5	Nanoscale observation of subgap excitations in $\hat{I}^2\text{-Si}_3\text{N}_4$ with a high refractive index using low-voltage monochromated STEM: a new approach to analyze the physical properties of defects in dielectric materials. <i>Applied Physics Express</i> , 2022, 15, 076501.	1.1	1
6	Comparison of detection limits of direct-counting CMOS and CCD cameras in EELS experiments. <i>Ultramicroscopy</i> , 2022, 240, 113577.	0.8	2
7	Non-negative matrix factorization for mining big data obtained using four-dimensional scanning transmission electron microscopy. <i>Ultramicroscopy</i> , 2021, 221, 113168.	0.8	15
8	Cross-sectional structural characterization of the surface of exfoliated HOPG using HRTEM-EELS. <i>Surface and Interface Analysis</i> , 2021, 53, 84-89.	0.8	2
9	Intrinsic defect structures of polycrystalline CaFe ₄ As ₄ superconductors. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 19827-19833.	1.3	7
10	Atomic-Scale Electrical Field Mapping of Hexagonal Boron Nitride Defects. <i>ACS Nano</i> , 2021, 15, 5316-5321.	7.3	12
11	Tunable Néel-Bloch Magnetic Twists in Fe ₃ GeTe ₂ with van der Waals Structure. <i>Advanced Functional Materials</i> , 2021, 31, 2103583.	7.8	35
12	Exfoliated Ferrierite-Related Unilamellar Nanosheets in Solution and Their Use for Preparation of Mixed Zeolite Hierarchical Structures. <i>Journal of the American Chemical Society</i> , 2021, 143, 11052-11062.	6.6	18
13	Preparation of Multifunctional Metal Oxynitride 2D Crystals and Oriented Transparent Free-Standing Oxynitride Films. <i>Chemistry of Materials</i> , 2021, 33, 6068-6077.	3.2	11
14	Heterostructuring Mesoporous 2D Iridium Nanosheets with Amorphous Nickel Boron Oxide Layers to Improve Electrolytic Water Splitting. <i>Small Methods</i> , 2021, 5, e2100679.	4.6	40
15	In-Plane Magnetic Field-Driven Creation and Annihilation of Magnetic Skyrmion Strings in Nanostructures. <i>Advanced Functional Materials</i> , 2021, 31, 2008521.	7.8	13
16	Nanometric phonon spectroscopy for diamond and cubic boron nitride. <i>Physical Review B</i> , 2021, 104, .	1.1	3
17	HRTEM-EELS cross-sectional structural analyses of glassy carbon substrate irradiated by platinum ions using a coaxial arc plasma gun. <i>Surface and Interface Analysis</i> , 2020, 52, 23-33.	0.8	5
18	HRTEM-EELS cross-sectional characterization of HOPG substrate with platinum nanoparticles deposited using a coaxial arc plasma gun. <i>Diamond and Related Materials</i> , 2020, 101, 107623.	1.8	1

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19	Synthesis of Three-Layer Perovskite Oxynitride $K_{2}Ca_{2}Ta_{3}O_{9}N_{2}H_{2}O$ and Photocatalytic Activity for H_{2} Evolution under Visible Light. <i>Inorganic Chemistry</i> , 2020, 59, 11122-11128.	1.9	20
20	$Ba_{2}Si_{2}$: A 5d Electron System Superconductor with a New Type of Noncentrosymmetric Crystal Structure. , 2020, , .		0
21	Responsive Four-Coordinate Iron(II) Nodes in $FePd(CN)_{4}$. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19254-19259.	7.2	18
22	Strain-induced creation and switching of anion vacancy layers in perovskite oxynitrides. <i>Nature Communications</i> , 2020, 11, 5923.	5.8	20
23	Real-Space Observation of Topological Defects in Extended Skyrmion-Strings. <i>Nano Letters</i> , 2020, 20, 7313-7320.	4.5	26
24	High-pressure annealing driven nanocrystal formation in $Zr_{50}Cu_{40}Al_{10}$ metallic glass and strength increase. <i>Communications Materials</i> , 2020, 1, .	2.9	10
25	Responsive Four-Coordinate Iron(II) Nodes in $FePd(CN)_{4}$. <i>Angewandte Chemie</i> , 2020, 132, 19416-19421.	1.6	0
26	Realtime Up-sampling Noise Filter: Paradigm Shift for Data Acquisition. <i>Microscopy and Microanalysis</i> , 2020, 26, 1936-1938.	0.2	4
27	Evidences of inner Se ordering in topological insulator $PbBi_{2}Te_{4}$ - $PbBi_{2}Se_{4}$ - $PbSb_{2}Se_{4}$ solid solutions. <i>Scientific Reports</i> , 2020, 10, 7957.	1.6	5
28	Two-Dimensional Perovskite Oxynitride $K_{2}LaTa_{2}O_{6}N$ with an H_{2}/K_{2} Exchangeability in Aqueous Solution Forming a Stable Photocatalyst for Visible-Light H_{2} Evolution. <i>Angewandte Chemie</i> , 2020, 132, 9823-9830.	1.6	4
29	Raw-to-repository characterization data conversion for repeatable, replicable, and reproducible measurements. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, .	0.9	9
30	Two-Dimensional Perovskite Oxynitride $K_{2}LaTa_{2}O_{6}N$ with an H_{2}/K_{2} Exchangeability in Aqueous Solution Forming a Stable Photocatalyst for Visible-Light H_{2} Evolution. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9736-9743.	7.2	33
31	An Artificial Z-Scheme Constructed from Dye-Sensitized Metal Oxide Nanosheets for Visible Light-Driven Overall Water Splitting. <i>Journal of the American Chemical Society</i> , 2020, 142, 8412-8420.	6.6	103
32	Enhanced water splitting through two-step photoexcitation by sunlight using tantalum/nitrogen-codoped rutile titania as a water oxidation photocatalyst. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2337-2346.	2.5	14
33	Unique defect structure and advantageous vortex pinning properties in superconducting $CaKFe_{4}As_{4}$. <i>Npj Quantum Materials</i> , 2019, 4, .	1.8	43
34	èµ°æŸ»é€Žé»âéŸ•â¼®éŸfè 3âŸã«ã,â,çµæ™Ÿæš«é€šæž. <i>Nihon Kessho Gakkaishi</i> , 2019, 61, 15-22.	0.0	1
35	Synthesis of a Layered Niobium Oxynitride, $Rb_{2}NdNb_{2}O_{6}N_{2}H_{2}O$, Showing Visible-Light Photocatalytic Activity for H_{2} Evolution. <i>Inorganic Chemistry</i> , 2019, 58, 6161-6166.	1.9	23
36	Superconductivity in $Ba_{2}Si_{2}$: A 5d electron system with a noncentrosymmetric crystal structure. <i>Physical Review B</i> , 2019, 99, .	1.1	6

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37	K-4 Current Status of Crystal Structure Analysis using Scanning Transmission Electron Microscopy. Microscopy (Oxford, England), 2019, 68, i22-i22.	0.7	0
38	Plasmonic p-n Junction for Infrared Light to Chemical Energy Conversion. Journal of the American Chemical Society, 2019, 141, 2446-2450.	6.6	110
39	Material characterization using scanning transmission electron microscopy and electron energy-loss spectroscopy. Atomos, 2019, 61, 606-609.	0.0	0
40	Electron irradiation effects on lithium peroxide. Japanese Journal of Applied Physics, 2018, 57, 035802.	0.8	6
41	Reversible Switching of the Magnetic Orientation of Titanate Nanosheets by Photochemical Reduction and Autoxidation. Journal of the American Chemical Society, 2018, 140, 16396-16401.	6.6	22
42	Comparative Analysis of Defects in Mg-Implanted and Mg-Doped GaN Layers on Freestanding GaN Substrates. Nanoscale Research Letters, 2018, 13, 403.	3.1	21
43	Structural Analysis of Mixed Anion Compounds. Nihon Kessho Gakkaishi, 2018, 60, 254-259.	0.0	0
44	Atomic number dependence of Z contrast in scanning transmission electron microscopy. Scientific Reports, 2018, 8, 12325.	1.6	69
45	Identifying lithium K edge anisotropy in LiCoO_2 . Physical Review B, 2018, 98, .	1.1	9
46	Investigation of intermediate layers in oxides/GaN(0001) by electron microscopy. Japanese Journal of Applied Physics, 2018, 57, 118003.	0.8	5
47	Nitrogen/fluorine-codoped rutile titania as a stable oxygen-evolution photocatalyst for solar-driven Z-scheme water splitting. Sustainable Energy and Fuels, 2018, 2, 2025-2035.	2.5	36
48	Soft X-ray emission spectroscopy study of electronic structure of sodium borosilicide $\text{Na}_8\text{B}_7\text{Si}_{17}$. Microscopy (Oxford, England), 2018, 67, i72-i77.	0.7	6
49	Visualizing nanoscale heat pathways. Nano Energy, 2018, 52, 323-328.	8.2	16
50	Do We Need Three-Dimensional Fourier Transform Analysis to Evaluate High-Performance TEMs?. Microscopy Today, 2018, 26, 42-49.	0.2	0
51	Undoped Layered Perovskite Oxynitride $\text{Li}_2\text{LaTa}_2\text{O}_6\text{N}$ for Photocatalytic CO_2 Reduction with Visible Light. Angewandte Chemie, 2018, 130, 8286-8290.	1.6	17
52	Undoped Layered Perovskite Oxynitride $\text{Li}_2\text{LaTa}_2\text{O}_6\text{N}$ for Photocatalytic CO_2 Reduction with Visible Light. Angewandte Chemie - International Edition, 2018, 57, 8154-8158.	7.2	66
53	AgFeOF_2 : A Fluorine-Rich Perovskite Oxyfluoride. Inorganic Chemistry, 2018, 57, 6686-6691.	1.9	20
54	Electron microscopy and ultraviolet photoemission spectroscopy studies of native oxides on GaN(0001). Japanese Journal of Applied Physics, 2018, 57, 098003.	0.8	8

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55	Homogeneous Electron Doping into Nonstoichiometric Strontium Titanate Improves Its Photocatalytic Activity for Hydrogen and Oxygen Evolution. ACS Catalysis, 2018, 8, 7190-7200.	5.5	34
56	High-Mobility p-Type and n-Type Copper Nitride Semiconductors by Direct Nitriding Synthesis and In Silico Doping Design. Advanced Materials, 2018, 30, e1801968.	11.1	30
57	Scanning Transmission Electron Microscopy. , 2018, , 587-592.		0
58	Rapid measurement of low-order aberrations using Fourier transforms of crystalline Ronchigrams. Ultramicroscopy, 2017, 180, 59-65.	0.8	5
59	Conversion of an ultra-wide bandgap amorphous oxide insulator to a semiconductor. NPC Asia Materials, 2017, 9, e359-e359.	3.8	89
60	Improvement of effective solid angle using virtual-pivot holder and large EDS detector. Micron, 2017, 93, 52-56.	1.1	3
61	Electron microscopy studies of the intermediate layers at the SiO ₂ /GaN interface. Japanese Journal of Applied Physics, 2017, 56, 110312.	0.8	28
62	Real-space observation of nanoscale magnetic phase separation in dysprosium by aberration-corrected Lorentz microscopy. Physical Review B, 2017, 96, .	1.1	3
63	Low-energy ion scattering spectroscopy and reflection high-energy electron diffraction of native oxides on GaN(0001). Japanese Journal of Applied Physics, 2017, 56, 128004.	0.8	16
64	Performance of Low-kV Aberration-corrected STEM with Delta-corrector and CFEG in Ultrahigh Vacuum Environment. Microscopy and Microanalysis, 2017, 23, 468-469.	0.2	4
65	Why We Need to Use 3D Fourier Transform Analysis to Evaluate a High-performance TEM. Microscopy and Microanalysis, 2016, 22, 24-25.	0.2	0
66	Quantitative Annular Dark-Field Imaging at Atomic Resolution. Microscopy and Microanalysis, 2016, 22, 304-305.	0.2	0
67	Why Do We Need to Use Three-Dimensional (3D) Fourier Transform (FT) Analysis to Evaluate a High-Performance Transmission Electron Microscope (TEM)?. Microscopy and Microanalysis, 2016, 22, 971-980.	0.2	3
68	Atomically resolved structure of ligand-protected Au ₉ clusters on TiO ₂ nanosheets using aberration-corrected STEM. Journal of Chemical Physics, 2016, 144, 114703.	1.2	25
69	Light-stimulated carrier dynamics of CuInS ₂ /CdS heterotetrapod nanocrystals. Nanoscale, 2016, 8, 9517-9520.	2.8	22
70	Thermally activated helicity reversals of skyrmions. Physical Review B, 2016, 93, .	1.1	47
71	Microscopic observation of dye molecules for solar cells on a titania surface. Scientific Reports, 2016, 6, 24616.	1.6	8
72	Quantitative Annular Dark-Field Imaging of Single-Layer Graphene. Microscopy and Microanalysis, 2015, 21, 1213-1214.	0.2	0

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73	Experimental observation of multiple-Q states for the magnetic skyrmion lattice and skyrmion excitations under a zero magnetic field. <i>Physical Review B</i> , 2015, 92, .	1.1	11
74	Ca ₂ FeMnO ₆ : A Layered Double Perovskite with Unusual High-Valence Fe ⁴⁺ in a Layered Arrangement. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 657-661.	2.0	16
75	Lorentz transmission electron microscopy on nanometric magnetic bubbles and skyrmions in bilayered manganites La _{1.2} Sr _{1.8} (Mn _{1-x} Ru _y) ₂ O ₇ with controlled magnetic anisotropy. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	30
76	Formation of an Icosahedral Quasicrystal and Its Approximant in Au-Al-Sc System. <i>Materials Transactions</i> , 2015, 56, 495-499.	0.4	2
77	Development of a Monochromated and Aberration-Corrected Low-Voltage (S)TEM. <i>Microscopy and Microanalysis</i> , 2015, 21, 351-352.	0.2	2
78	Exciton Mapping at Subwavelength Scales in Two-Dimensional Materials. <i>Physical Review Letters</i> , 2015, 114, 107601.	2.9	79
79	Real space observation of skyrmion polycrystallization and its domain boundary behavior in FeGe _{1-x} Si _x . <i>Applied Physics Express</i> , 2015, 8, 033001.	1.1	11
80	Quantitative annular dark-field imaging of single-layer graphene ^{II} : atomic-resolution image contrast. <i>Microscopy (Oxford, England)</i> , 2015, 64, 409-418.	0.7	23
81	Chemical States of Overcharged LiCoO ₂ Particle Surfaces and Interiors Observed Using Electron Energy-Loss Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15823-15830.	1.5	91
82	Synthesis of single-walled carbon nanotubes on graphene layers. <i>Chemical Communications</i> , 2015, 51, 8974-8977.	2.2	16
83	Quantitative annular dark-field imaging of single-layer graphene. <i>Microscopy (Oxford, England)</i> , 2015, 64, 143-150.	0.7	20
84	EELS study of Fe- or Co-doped titania nanosheets. <i>Microscopy (Oxford, England)</i> , 2015, 64, 77-85.	0.7	4
85	Practical aspects of monochromators developed for transmission electron microscopy. <i>Microscopy (Oxford, England)</i> , 2014, 63, 337-344.	0.7	35
86	Electron-density distribution and disordered crystal structure of 12H-SiAlON, SiAl ₅ O ₂ N ₅ . <i>Powder Diffraction</i> , 2014, 29, 318-324.	0.4	6
87	Nanomechanical cleavage of molybdenum disulphide atomic layers. <i>Nature Communications</i> , 2014, 5, 3631.	5.8	144
88	Direct observation of atomic columns in a Bi-2223 polycrystal by aberration-corrected STEM using a low accelerating voltage. <i>Physica C: Superconductivity and Its Applications</i> , 2014, 500, 33-39.	0.6	0
89	Biskyrmion states and their current-driven motion in a layered manganite. <i>Nature Communications</i> , 2014, 5, 3198.	5.8	241
90	Multi-Functional Silica Nanoparticles Based on Metal Atom Clusters: From Design to Toxicological Studies. <i>Key Engineering Materials</i> , 2014, 617, 179-183.	0.4	1

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91	Understanding Li-K edge structure and interband transitions in Li _x CoO ₂ by electron energy-loss spectroscopy. Applied Physics Letters, 2014, 104, .	1.5	22
92	Non-nitrogen doped and non-metal oxygen reduction electrocatalysts based on carbon nanotubes: mechanism and origin of ORR activity. Energy and Environmental Science, 2014, 7, 1950-1958.	15.6	123
93	Formation of Tsai-type 1/1 approximants in In-Pd-RE (RE: rare earth metal) alloys. Philosophical Magazine, 2014, 94, 2980-2991.	0.7	5
94	Strongest π -metal orbital coupling in a porphyrin/gold cluster system. Chemical Science, 2014, 5, 2007-2010.	3.7	15
95	SrAuSi ₃ : A Noncentrosymmetric Superconductor. Chemistry of Materials, 2014, 26, 2155-2165.	3.2	36
96	Electron density distribution and disordered crystal structure of 15R-SiAlON, SiAl ₄ O ₂ N ₄ . Journal of Solid State Chemistry, 2014, 211, 124-129.	1.4	14
97	Investigation on photo-induced charge separation in CdS/CdTe nanopencils. Chemical Science, 2014, 5, 3831-3835.	3.7	12
98	Single Crystallization of Olivine Lithium Phosphate Nanowires using Oriented Attachments. Journal of Physical Chemistry C, 2014, 118, 7678-7682.	1.5	9
99	Angle-resolved Valence EELS of a Single Crystal Gold Sample. Microscopy and Microanalysis, 2014, 20, 628-629.	0.2	0
100	Quantitative Assessment of Lower-Voltage TEM Performance Using 3D Fourier Transform of Through-Focus Series. Microscopy and Microanalysis, 2014, 20, 936-937.	0.2	0
101	Single adatom dynamics at monatomic steps of free-standing few-layer reduced graphene. Scientific Reports, 2014, 4, 6037.	1.6	10
102	Quantitative evaluation of temporal partial coherence using 3D Fourier transforms of through-focus TEM images. Ultramicroscopy, 2013, 134, 86-93.	0.8	15
103	A Rhombic Dodecahedral Honeycomb Structure with Cation Vacancy Ordering in a β -Ga ₂ O ₃ Crystal. Crystal Growth and Design, 2013, 13, 3577-3581.	1.4	20
104	Towards control of the size and helicity of skyrmions in helimagnetic alloys by spin-orbit coupling. Nature Nanotechnology, 2013, 8, 723-728.	15.6	264
105	Detecting the direction of oxygen bonding in SrTiO ₃ . Physical Review B, 2013, 88, .	1.1	21
106	Atomic resolution chemical bond analysis of oxygen in La ₂ CuO ₄ . Journal of Applied Physics, 2013, 114, .	1.1	14
107	Direct observation and dynamics of spontaneous skyrmion-like magnetic domains in a ferromagnet. Nature Nanotechnology, 2013, 8, 325-328.	15.6	64
108	Extended Investigations on Luminescent Cs ₂ [Mo ₆ Br ₁₄] ₂ @SiO ₂ Nanoparticles: Physico-Structural Characterizations and Toxicity Studies. Journal of Physical Chemistry C, 2013, 117, 20154-20163.	1.5	68

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109	Atomic structure of titania nanosheet with vacancies. Scientific Reports, 2013, 3, 2801.	1.6	53
110	High-quality epitaxial NbN/AlN/NbN tunnel junctions with a wide range of current density. Applied Physics Letters, 2013, 102, .	1.5	43
111	Structural Phase Transition and Magnetic-Field Effect on the Modulated Structure in $\text{GdBaCo}_2\text{O}_{5+\delta}$ ($\delta < 0.5$). Physical Review Letters, 2013, 110, 125502.	2.9	5
112	High-Energy Milling of Silicon Nitride Powder. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2013, 60, 420-427.	0.1	0
113	Magnetocrystalline anisotropy behavior in the multiferroic BiMnO_3 examined by Lorentz transmission electron microscopy. Applied Physics Letters, 2012, 101, 052407.	1.5	5
114	Effect of specimen misalignment on local structure analysis using annular dark-field imaging. Journal of Electron Microscopy, 2012, 61, 207-215.	0.9	22
115	Formation of nanoscale magnetic bubbles in ferromagnetic insulating manganite $\text{La}_{7/8}\text{Sr}_{1/8}\text{MnO}_3$. Applied Physics Letters, 2012, 101, .	1.5	24
116	Removing the effects of elastic and thermal scattering from electron energy-loss spectroscopic data. Applied Physics Letters, 2012, 101, .	1.5	21
117	HAADF-STEM study of chemical ordering in AlPdSc 1/1-crystal approximant. Journal of Alloys and Compounds, 2012, 543, 7-11.	2.8	6
118	Assessment of lower-voltage TEM performance using 3D Fourier transform of through-focus series. Ultramicroscopy, 2012, 121, 31-37.	0.8	19
119	Skyrmion flow near room temperature in an ultralow current density. Nature Communications, 2012, 3, 988.	5.8	709
120	Metastable ultrathin crystal in thermally grown SiO_2 film on Si substrate. AIP Advances, 2012, 2, .	0.6	5
121	Visualization of hybridization states with atomic resolution using electron energy loss spectroscopy mapping. Applied Physics Letters, 2012, 100, .	1.5	20
122	Magnetic stripes and skyrmions with helicity reversals. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8856-8860.	3.3	289
123	Evaluation of probe size in STEM imaging at 30 and 60kV. Micron, 2012, 43, 551-556.	1.1	14
124	Synthesis and Atomic Characterization of a Ti_2O_3 Nanosheet. Journal of Physical Chemistry Letters, 2011, 2, 1820-1823.	2.1	25
125	Spontaneous Formation of Wurzite-CdS/Zinc Blende-CdTe Heterodimers through a Partial Anion Exchange Reaction. Journal of the American Chemical Society, 2011, 133, 17598-17601.	6.6	105
126	Coupling between Magnetic and Crystallographic Domains in Ordered Double Perovskite. Nihon Kessho Gakkaishi, 2011, 53, 119-123.	0.0	0

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127	Near room-temperature formation of a skyrmion crystal in thin-films of the helimagnet FeGe. Nature Materials, 2011, 10, 106-109.	13.3	1,374
128	Spatially resolved diffractometry with atomic-column resolution. Ultramicroscopy, 2011, 111, 1111-1116.	0.8	32
129	Effect of dimension on charge order domain in Ruddlesden-Popper manganites. Physica B: Condensed Matter, 2011, 406, 3192-3195.	1.3	0
130	Editorial Note: Lattice modulation induced by magnetic order in the magnetoelectric helimagnet $\text{Ba}_0.5\text{Sr}_{1.5}\text{Zn}_2\text{Fe}_2\text{O}_{22}$ [Phys. Rev. B83, 130401(R) (2011)]. Physical Review B, 2011, 83, .	1.1	0
131	Multiple charge modulations in the ferromagnetic insulating state of lightly doped La		
132	Lattice modulation induced by magnetic order in the magnetoelectric helimagnet $\text{Ba}_0.5\text{Sr}_{1.5}\text{Zn}_2\text{Fe}_2\text{O}_{22}$. Physical Review B, 2011, 83, .	1.1	11
133	Anomalous Eu layer doping in Eu, Si co-doped aluminium nitride based phosphor and its direct observation. Journal of Materials Chemistry, 2010, 20, 9948.	6.7	48
134	Higher-order aberration corrector for an image-forming system in a transmission electron microscope. Ultramicroscopy, 2010, 110, 958-961.	0.8	45
135	Transverse modulation and uniform period in $\text{Bi}_{1-x}\text{Sr}_x\text{MnO}_3$. Physica B: Condensed Matter, 2010, 405, 1686-1689.	1.3	2
136	Local crystal structure analysis with several picometer precision using scanning transmission electron microscopy. Ultramicroscopy, 2010, 110, 778-782.	0.8	105
137	Performance of low-voltage STEM/TEM with delta corrector and cold field emission gun. Journal of Electron Microscopy, 2010, 59, S7-S13.	0.9	98
138	Self-organized structures of orbital-ordered domains in $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2010, 81, .	1.1	31
139	Relationship between magnetic domain configuration and crystallographic orientation in a colossal magnetoresistive material. Journal of Electron Microscopy, 2010, 59, S95-S100.	0.9	1
140	Synthesis and Characterization of $\text{A}_{x_4}\text{Re}_{x_6}\text{Q}_{x_8}\text{L}_{x_6}\text{SiO}_2$ Red-Emitting Silica Nanoparticles Based on Re_{x_6} Metal Atom Clusters (A = Cs or K, Q = S or Se, and L = OH or) Tj ETQq0 0 0 TgBT /Overlock 10 T	1.6	48
141	Possible origins of the magnetoresistance gain in colossal magnetoresistive oxide $\text{La}_{0.69}\text{Ca}_{0.31}\text{MnO}_3$: Structure fluctuation and pinning effect on magnetic domain walls. Applied Physics Letters, 2009, 95, 092504.	1.5	8
142	Imaging of variation in charge/orbital/spin ordering structure in $\text{Sm}_{1-x}\text{Sr}_x\text{MnO}_3$ (x=0.55 and 0.6). Applied Physics Letters, 2009, 94, 082509.	1.5	7
143	Direct observation of single dopant atom in light-emitting phosphor of SiAlON:Eu^{2+} . Applied Physics Letters, 2009, 94, .	1.5	147
144	Local crystal structure analysis with 10-pm accuracy using scanning transmission electron microscopy. Journal of Electron Microscopy, 2009, 58, 131-136.	0.9	49

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145	Correction of higher order geometrical aberration by triple 3-fold astigmatism field. Journal of Electron Microscopy, 2009, 58, 341-347.	0.9	70
146	Visualizing and identifying single atoms using electron energy-loss spectroscopy with low accelerating voltage. Nature Chemistry, 2009, 1, 415-418.	6.6	152
147	Structural characterization and iron detection at $\frac{1}{3}$ grain boundaries in multicrystalline silicon. Journal of Applied Physics, 2009, 105, 113502.	1.1	53
148	Enhancement in ordering of Fe ₅₀ Pt ₅₀ film caused by Cr and Cu additives. Journal of Applied Physics, 2009, 106, 033907.	1.1	21
149	Element-selective Imaging of Atomic Columns in Crystal Using STEM-EELS. Materia Japan, 2009, 48, 640-640.	0.1	0
150	Correction of Spherical Aberration and Six-Fold Astigmatism Using Three Dodecapoles. Microscopy and Microanalysis, 2009, 15, 1458-1459.	0.2	1
151	Crystal Structure Analysis Using Annular Dark-Field Imaging with High Precision. Microscopy and Microanalysis, 2009, 15, 468-469.	0.2	0
152	Performance of Low-voltage Electron Microscope with New Aberration Correction System and Cold Field Emission Gun. Microscopy and Microanalysis, 2009, 15, 1080-1081.	0.2	0
153	Fourier Analysis of Ronchigram and Aberration Assessment. Microscopy and Microanalysis, 2009, 15, 1094-1095.	0.2	2
154	Lorentz TEM Analysis of Magnetization Distribution in a Ferromagnetic Nanowire. Materia Japan, 2009, 48, 613-613.	0.1	0
155	Production of bulk dilute ferromagnetic semiconductor by mechanical milling. Journal of Magnetism and Magnetic Materials, 2008, 320, e674-e677.	1.0	14
156	Decisive factors for realizing atomic-column resolution using STEM and EELS. Micron, 2008, 39, 257-262.	1.1	26
157	Decisive factors for realizing atomic-column resolution using STEM and EELS. Micron, 2008, 39, 653-657.	1.1	10
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