Osami Sakata

List of Publications by Year
in descending order

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361	9,977	53794 45	49909 87
papers	citations	h-index	g-index

374	374	374	10953
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phase Control of Solid-Solution Nanoparticles beyond the Phase Diagram for Enhanced Catalytic Properties. ACS Materials Au, 2022, 2, 110-116.	6.0	4
2	Electronic states of gallium oxide epitaxial thin films and related atomic arrangement. Applied Surface Science, 2022, 578, 151943.	6.1	4
3	Polar-axis-oriented epitaxial tetragonal (Bi,K)TiO3 films with large remanent polarization deposited below Curie temperature by a hydrothermal method. Applied Physics Letters, 2022, 120, 022903.	3.3	6
4	Noble-Metal High-Entropy-Alloy Nanoparticles: Atomic-Level Insight into the Electronic Structure. Journal of the American Chemical Society, 2022, 144, 3365-3369.	13.7	94
5	Hydrogen absorption and diffusion behaviors in cube-shaped palladium nanoparticles revealed by ambient-pressure X-ray photoelectron spectroscopy. Applied Surface Science, 2022, 587, 152797.	6.1	7
6	Compositional dependence of structures and hydrogen evolution reaction activity of platinum-group-metal quinary RuRhPdIrPt alloy nanoparticles. Chemical Communications, 2022, 58, 6421-6424.	4.1	5
7	Continuous-Flow Reactor Synthesis for Homogeneous 1 nm-Sized Extremely Small High-Entropy Alloy Nanoparticles. Journal of the American Chemical Society, 2022, 144, 11525-11529.	13.7	60
8	Enhancement of crystal anisotropy and ferroelectricity by decreasing thickness in (Al,Sc)N films. Journal of the Ceramic Society of Japan, 2022, 130, 436-441.	1.1	11
9	Highly-crystalline 6 inch free-standing GaN observed using X-ray diffraction topography. CrystEngComm, 2021, 23, 1628-1633.	2.6	4
10	Efficient overall water splitting in acid with anisotropic metal nanosheets. Nature Communications, 2021, 12, 1145.	12.8	124
11	Electricâ€Fieldâ€Induced Ferroelectricity in 5%Yâ€doped Hf_{0.5}Zr_{0.5}O₂: Transformation from the Paraelectric Tetragonal Phase to the Ferroelectric Orthorhombic Phase. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000589.	2.4	23
12	Highly Stable and Active Solidâ€Solutionâ€Alloy Threeâ€Way Catalyst by Utilizing Configurationalâ€Entropy Effect. Advanced Materials, 2021, 33, e2005206.	21.0	22
13	Large thermal hysteresis of ferroelectric transition in HfO2-based ferroelectric films. Applied Physics Letters, 2021, 118, .	3.3	19
14	Non-oxidative propane dehydrogenation over alumina-supported Co-V oxide catalysts. Applied Catalysis A: General, 2021, 614, 118036.	4.3	13
15	Epitaxial Stabilization of Complete Solid-solution Î²-(Al_xGa_{1â€“x})₂O₃ (100) Films by Pulsed-laser Deposition. Crystal Growth and Design, 2021, 21, 2844-2849.	3.0	13
16	Electricâ€Fieldâ€Induced Ferroelectricity in 5%Yâ€doped Hf_{0.5}Zr_{0.5}O₂: Transformation from the Paraelectric Tetragonal Phase to the Ferroelectric Orthorhombic Phase. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2170023.	2.4	1
17	Mechanism of Hydrogen Storage and Structural Transformation in Bimetallic Pdâ€“Pt Nanoparticles. ACS Applied Materials & Interfaces, 2021, 13, 23502-23512.	8.0	9
18	Local Structure Properties of Hydrogenated and Nonhydrogenated Amorphous Inâ€“Gaâ€“Znâ€“O Thin Films Using XAFS and High-Energy XRD. Journal of Physical Chemistry C, 2021, 125, 13619-13628.	3.1	1

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19	Physical properties of YB66 and consideration of possible use for high-resolution X-ray optics. Journal of Applied Physics, 2021, 130, .	2.5	1
20	Investigation of microstructure and hydrogen absorption properties of bulk immiscible AgRh alloy nanoparticles. Journal of Alloys and Compounds, 2021, 869, 159268.	5.5	2
21	Structural Characterization of the Delithiated Noncrystalline Phase in a Li-Rich Li₂VO₂F Cathode Material. Chemistry of Materials, 2021, 33, 5943-5950.	6.7	8
22	Suppression Mechanisms of the Solid-Electrolyte Interface Formation at the Triple-Phase Interfaces in Thin-Film Li-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 34027-34032.	8.0	0
23	Thickness scaling of (Al_{0.8}Sc_{0.2})N films with remanent polarization beyond 100ÂĪ¼CÂcm^{â^'2} around 10Ânm in thickness. Applied Physics Express, 2021, 14, 105501.	2.4	30
24	Strain-Controlled Spin Transition in Heterostructured Metalâ€“Organic Framework Thin Film. Journal of the American Chemical Society, 2021, 143, 16128-16135.	13.7	18
25	Investigation of Local Structure and Enhanced Thermal Stability of Ir-Doped PdRu Nanoparticles for Three-Way Catalytic Applications. Journal of Physical Chemistry C, 2021, 125, 20583-20591.	3.1	3
26	Domain structure transition in compressively strained (100)/(001) epitaxial tetragonal PZT film. Journal of Applied Physics, 2021, 129, 024101.	2.5	2
27	Chemical and Electronic Investigation of Buried NiO_{1â^'Î´}, PCBM, and PTAA/MAPbI_{3â€“x}Cl_x Interfaces Using Hard X-ray Photoelectron Spectroscopy and Transmission Electron Microscopy. ACS Applied Materials & Interfaces, 2021, 13, 50481-50490.	8.0	5
28	Total x-ray scattering setup for crystalline particles at SPring-8 BL15XU NIMS beamline. Review of Scientific Instruments, 2021, 92, 113905.	1.3	0
29	Thickness dependence of phase stability in epitaxial <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:msub><mml:mi>Hf</mml:mi><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> films. Physical Review Materials, 2021, 5, .	2.4	10
30	Discovery of face-centred cubic Os nanoparticles. Chemical Communications, 2020, 56, 372-374.	4.1	20
31	Rational Synthesis for a Noble Metal Carbide. Journal of the American Chemical Society, 2020, 142, 1247-1253.	13.7	15
32	Dimer rattling mode induced low thermal conductivity in an excellent acoustic conductor. Nature Communications, 2020, 11, 5197.	12.8	27
33	Enhanced intrinsic piezoelectric response in (001)-epitaxial single c-domain Pb(Zr,Ti)O3 nanorods. Applied Physics Letters, 2020, 117, .	3.3	3
34	Modifying the crystal structures of Fe2O3-doped NiO epitaxial thin films grown at room temperature by controlling the oxygen partial pressure. Applied Surface Science, 2020, 533, 147432.	6.1	3
35	On the electronic structure and hydrogen evolution reaction activity of platinum group metal-based high-entropy-alloy nanoparticles. Chemical Science, 2020, 11, 12731-12736.	7.4	142
36	Enhancement of Solar Cell Performance of Electrodeposited Ti/n-Cu2O/p-Cu2O/Au Homojunction Solar Cells by Interface and Surface Modification. Crystals, 2020, 10, 609.	2.2	9

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37	Crystalline to amorphous transformation in solid-solution alloy nanoparticles induced by boron doping. Chemical Communications, 2020, 56, 12941-12944.	4.1	8
38	Controlling oxygen coordination and valence of network forming cations. Scientific Reports, 2020, 10, 7178.	3.3	12
39	Very sharp diffraction peak in nonglass-forming liquid with the formation of distorted tetraclusters. NPG Asia Materials, 2020, 12, .	7.9	28
40	Hydrogen absorption and desorption on Rh nanoparticles revealed by in situ dispersive X-ray absorption fine structure spectroscopy. RSC Advances, 2020, 10, 19751-19758.	3.6	0
41	Structural Dynamics of Adsorption Equilibrium for Iodine Adsorbed on Au(111). Journal of Physical Chemistry C, 2020, 124, 17711-17716.	3.1	1
42	Thickness- and orientation- dependences of Curie temperature in ferroelectric epitaxial Y doped HfO₂ films. Japanese Journal of Applied Physics, 2020, 59, SGGB04.	1.5	22
43	Surface morphology smoothing of a 2 inch-diameter GaN homoepitaxial layer observed by X-ray diffraction topography. RSC Advances, 2020, 10, 1878-1882.	3.6	3
44	Optical and structural investigations on titanium oxynitride films for visible-UV photocatalytic applications. Journal of Applied Physics, 2020, 127, .	2.5	3
45	Structure and properties of densified silica glass: characterizing the order within disorder. NPG Asia Materials, 2020, 12, .	7.9	57
46	Calculation of total scattering from a crystalline structural model based on experimental optics parameters. Journal of Applied Crystallography, 2020, 53, 671-678.	4.5	9
47	Fabrication of (Pb_{0.9}Sr_{0.1})TiO₃/SrTiO₃ artificial superlattice thin films and their electromechanical response. Journal of the Ceramic Society of Japan, 2020, 128, 431-435.	1.1	2
48	Understanding Diffraction from Disordered Materials and the Extraction of Topology Hidden in the Pairwise Correlations by Persistent Homology. Nihon Kessho Gakkaishi, 2020, 62, 43-50.	0.0	0
49	The relationship between crystalline disorder and electronic structure of Pd nanoparticles and their hydrogen storage properties. RSC Advances, 2019, 9, 21311-21317.	3.6	8
50	Anisotropic mosaicity and lattice-plane twisting of an m-plane GaN homoepitaxial layer. CrystEngComm, 2019, 21, 4036-4041.	2.6	5
51	Investigation of selective chemisorption of fcc and hcp Ru nanoparticles using X-ray photoelectron spectroscopy analysis. Journal of Catalysis, 2019, 380, 247-253.	6.2	5
52	Hydrogen effect on Pt/Al2O3/GaN metal-oxide-semiconductor capacitors. Japanese Journal of Applied Physics, 2019, 58, 100915.	1.5	5
53	Time-resolved X-ray diffraction system for study of Pb(Zr, Ti)O3 films under a temporal electric field at BL15XU, SPring-8. Review of Scientific Instruments, 2019, 90, 093001.	1.3	3
54	Ferroelastic domain motion by pulsed electric field in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mn>111</mml:mn><mm rhombohedral epitaxial <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Pb</mml:mi><mml:mrow><. Physical Review B, 2019, 100, .	3.2	3

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55	Facile preparation of hybrid thin films composed of spin-crossover nanoparticles and carbon nanotubes for electrical memory devices. Dalton Transactions, 2019, 48, 7074-7079.	3.3	17
56	Correlation between the electronic/local structure and CO-oxidation activity of Pd_xRu_{1â˜'x} alloy nanoparticles. Nanoscale Advances, 2019, 1, 546-553.	4.6	12
57	A trial for distinguish of Mn3+ and Mn4+ ions in LiMn2O4 by anomalous powder x-ray diffraction with focused beam flat sample method. AIP Conference Proceedings, 2019, , .	0.4	1
58	Ultrahigh-pressure form of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Si</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> glass with dense pyrite-type crystalline homology. Physical Review B, 2019, 99, .	3.2	44
59	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>B</mml:mi></mml:mrow></mml:math> -site-ordered double-perovskite oxide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">La</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>CrMn</mml:mi><mml:msub><mml:mi	3.2	10
60	Phonon scattering at the interfaces of epitaxially grown Fe2VAl/W and Fe2VAl/Mo superlattices. Journal of Applied Physics, 2019, 125, 225101.	2.5	12
61	Lattice-plane bending angle modulation of Mg-doped GaN homoepitaxial layer observed by X-ray diffraction topography. CrystEngComm, 2019, 21, 2281-2285.	2.6	4
62	Colossal barocaloric effects in plastic crystals. Nature, 2019, 567, 506-510.	27.8	253
63	Mapping of a Lattice-Plane Tilting in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mrow><mml:mi>Ga</mml:mi><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math> Wafer Using Energy-Resolved X-Ray Diffraction Topography. Physical Review Applied, 2019, 11, .	3.8	5
64	Tuning of structural, optical band gap, and electrical properties of room-temperature-grown epitaxial thin films through the Fe2O3:NiO ratio. Scientific Reports, 2019, 9, 4304.	3.3	31
65	Effects of heat treatment and in situ high-temperature X-ray diffraction study on the formation of ferroelectric epitaxial Y-doped HfO₂ film. Japanese Journal of Applied Physics, 2019, 58, SBBB09.	1.5	34
66	Effects of interfacial structure of Pdâ€“Pt nanoparticles on hydrogen solubility. Journal of Alloys and Compounds, 2019, 791, 1263-1269.	5.5	10
67	Effect of Bath pH on Electronic and Morphological Properties of Electrodeposited Cu₂O Thin Films. Journal of the Electrochemical Society, 2019, 166, D113-D119.	2.9	18
68	Electric-Field-Driven Nanosecond Ferroelastic-Domain Switching Dynamics in Epitaxial <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Pb</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>Zr</mml:mi><mml:mo>,</mml:mo><mml:mi>Ti</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overloc	7.8	16
69	mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml: Oxidation and reduction processes in Ni/Cu/Cr/Si(100) thin films under low-energy ion irradiation. Materials Research Express, 2019, 6, 126431.	1.6	5
70	Understanding diffraction patterns of glassy, liquid and amorphous materials via persistent homology analyses. Journal of the Ceramic Society of Japan, 2019, 127, 853-863.	1.1	50
71	Reverse Monte Carlo modeling for local structures of noble metal nanoparticles using high-energy XRD and EXAFS. RSC Advances, 2019, 9, 29511-29521.	3.6	15
72	Surface X-ray diffraction study of annealed single-crystal rutile TiO2 (001) surface. Ionics, 2019, 25, 1879-1886.	2.4	4

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73	A middle energy-bandwidth X-ray monochromator for high-flux synchrotron diffraction: revisiting asymmetrically cut silicon crystals. Journal of Synchrotron Radiation, 2019, 26, 750-755.	2.4	25
74	Synchrotron analysis of structure transformations in V and V/Ag thin films. Vacuum, 2018, 150, 186-195.	3.5	4
75	Investigation of residual stress in lead-free BNT-based ceramic/ceramic composites. Acta Materialia, 2018, 148, 432-441.	7.9	32
76	Synchrotron X-ray diffraction characterization of the inheritance of GaN homoepitaxial thin films grown on selective growth substrates. CrystEngComm, 2018, 20, 2861-2867.	2.6	8
77	Potential Dependence of the Buckling Structure of the Interfacial Water Bilayer on a Graphene Electrode. Journal of Physical Chemistry C, 2018, 122, 7795-7800.	3.1	4
78	Analyzing the Boundary Thermal Resistance of Epitaxially Grown Fe2VAl/W Layers by Picosecond Time-Domain Thermoreflectance. Journal of Electronic Materials, 2018, 47, 3113-3118.	2.2	3
79	Characterization of a 4-inch GaN wafer by X-ray diffraction topography. CrystEngComm, 2018, 20, 7761-7765.	2.6	11
80	Ferroelectricity mediated by ferroelastic domain switching in HfO2-based epitaxial thin films. Applied Physics Letters, 2018, 113, .	3.3	69
81	Effect of hydrophobic cations on the oxygen reduction reaction on singleâ€'crystal platinum electrodes. Nature Communications, 2018, 9, 4378.	12.8	87
82	Domain Switching by Applied Electric Field in (001) and (111)-epitaxial (K<inf>0.5</inf>Na<inf>0.5</inf>)NbO<inf>3</inf>Films. , 2018, , .		0
83	Temperature Dependent Octahedral Tilting Behaviors of Monoclinic and Tetragonal SrRuO3 Thin Films. Journal of the Korean Physical Society, 2018, 73, 1529-1534.	0.7	3
84	Domain structure transition from two to three dimensions in tensile strained (100)/(001)-oriented epitaxial tetragonal PZT film. Applied Physics Letters, 2018, 113, .	3.3	8
85	Electronic origin of hydrogen storage in MOF-covered palladium nanocubes investigated by synchrotron X-rays. Communications Chemistry, 2018, 1, .	4.5	24
86	Operando structural study of non-aqueous Liâ€"air batteries using synchrotron-based X-ray diffraction. RSC Advances, 2018, 8, 26293-26299.	3.6	13
87	Thickness-dependent crystal structure and electric properties of epitaxial ferroelectric Y2O3-HfO2 films. Applied Physics Letters, 2018, 113, .	3.3	48
88	Lattice constant, bond-orientational order, and solid solubility of PdPt bimetallic nanoparticles. Applied Physics Letters, 2018, 113, .	3.3	12
89	Size effects on rhodium nanoparticles related to hydrogen-storage capability. Physical Chemistry Chemical Physics, 2018, 20, 15183-15191.	2.8	11
90	Time response demonstration of in situ lattice deformation under an applied electric field by synchrotron-based time-resolved X-ray diffraction in polar-axis-oriented epitaxial Pb(Zr,Ti)O3 film. Japanese Journal of Applied Physics, 2018, 57, 0902B8.	1.5	2

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91	Local Geometry and Electronic Properties of Nickel Nanoparticles Prepared via Thermal Decomposition of Ni-MOF-74. Inorganic Chemistry, 2018, 57, 10072-10080.	4.0	18
92	Evaluation of lattice curvature and crystalline homogeneity for 2-inch GaN homo-epitaxial layer. AIP Advances, 2018, 8, .	1.3	5
93	Lattice-plane orientation mapping of homo-epitaxial GaN(0001) thin films via grazing-incidence X-ray diffraction topography in 2-in. wafer. Applied Physics Express, 2018, 11, 081002.	2.4	11
94	Spatial coherence of the insulating phase in quasi-two-dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LaNiO</mml:mi><mml:mn>3</mml:mn></mml:msub></m films. Physical Review B, 2018, 98, .	3.2	12
95	Characterization of the ScAlMgO4 cleaving layer by X-ray crystal truncation rod scattering. Journal of Applied Physics, 2018, 123, .	2.5	13
96	Ultrafast observation of lattice dynamics in laser-irradiated gold foils. Applied Physics Letters, 2017, 110, .	3.3	20
97	Electronic Structure Evolution with Composition Alteration of RhxCuy Alloy Nanoparticles. Scientific Reports, 2017, 7, 41264.	3.3	12
98	Interfacial Structure of PtNi Surface Alloy on Pt(111) Electrode for Oxygen Reduction Reaction. ACS Omega, 2017, 2, 1858-1863.	3.5	16
99	Thickness and structure of thin films determined by background analysis in hard X-ray photoelectron spectroscopy. Journal of Applied Physics, 2017, 121, .	2.5	18
100	Effect of the film thickness on the crystal structure and ferroelectric properties of (Hf 0.5 Zr 0.5)O 2 thin films deposited on various substrates. Materials Science in Semiconductor Processing, 2017, 70, 239-245.	4.0	41
101	Superconductivity in Ti4O7 and Î³-Ti3O5 films. Scientific Reports, 2017, 7, 12544.	3.3	47
102	Air/Liquid Interfacial Nanoassembly of Molecular Building Blocks into Preferentially Oriented Porous Organic Nanosheet Crystals via Hydrogen Bonding. ACS Nano, 2017, 11, 10875-10882.	14.6	23
103	A highly crystalline oriented metalâ€“organic framework thin film with an inorganic pillar. Chemical Communications, 2017, 53, 10112-10115.	4.1	14
104	Electric-field-induced lattice distortion in epitaxial BiFeO3 thin films as determined by in situ time-resolved x-ray diffraction. Applied Physics Letters, 2017, 111, .	3.3	3
105	Effects of phase fraction on superconductivity of low-valence eutectic titanate films. Journal of Applied Physics, 2017, 122, .	2.5	17
106	In-situ observation of ultrafast 90Â° domain switching under application of an electric field in (100)/(001)-oriented tetragonal epitaxial Pb(Zr0.4Ti0.6)O3 thin films. Scientific Reports, 2017, 7, 9641.	3.3	23
107	Lattice distortion and electronic structure of magnesium-doped nickel oxide epitaxial thin films. Physical Review B, 2017, 95, .	3.2	18
108	Realâ€“time observation of interfacial ions during electrocrystallization. Scientific Reports, 2017, 7, 914.	3.3	9

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109	Charge screening strategy for domain pattern control in nano-scale ferroelectric systems. Scientific Reports, 2017, 7, 5236.	3.3	14
110	Disappearance of the Superionic Phase Transition in Sub-5 nm Silver Iodide Nanoparticles. Nano Letters, 2017, 17, 5273-5276.	9.1	7
111	Change in the Crystallite Orientation of Poly(ethylene oxide)/Cellulose Nanofiber Composite Films. Biomacromolecules, 2017, 18, 4411-4415.	5.4	9
112	Hydrogen storage and stability properties of Pdâ€“Pt solid-solution nanoparticles revealed via atomic and electronic structure. Scientific Reports, 2017, 7, 14606.	3.3	30
113	Fabrication and Structural Characterization of an Ultrathin Film of a Two-Dimensional-Layered Metalâ€“Organic Framework, {Fe(py)₂[Ni(CN)₄]} (py = pyridine). Inorganic Chemistry, 2017, 56, 7606-7609.	4.0	32
114	Stacking fault density and bond orientational order of fcc ruthenium nanoparticles. Applied Physics Letters, 2017, 111, 253101.	3.3	8
115	Orientation change with substrate type and composition in (100)/(001)-oriented epitaxial tetragonal Pb(Zr_xTi_{1−}_x)O₃ films. Journal of the Ceramic Society of Japan, 2017, 125, 458-462.	1.1	3
116	Dynamic fracture of tantalum under extreme tensile stress. Science Advances, 2017, 3, e1602705.	10.3	41
117	Annealing effects of the untreated and sulfur-treated electrodeposited n-type and p-type cuprous oxide thin films. Physica Status Solidi (B): Basic Research, 2016, 253, 765-769.	1.5	6
118	Impact of mechanical stress on ferroelectricity in (Hf0.5Zr0.5)O2 thin films. Applied Physics Letters, 2016, 108, .	3.3	187
119	Guest-Induced Two-Way Structural Transformation in a Layered Metalâ€“Organic Framework Thin Film. Journal of the American Chemical Society, 2016, 138, 16787-16793.	13.7	54
120	Growth of (111)-oriented epitaxial and textured ferroelectric Y-doped HfO2 films for downscaled devices. Applied Physics Letters, 2016, 109, .	3.3	62
121	Orientation control and domain structure analysis of {100}-oriented epitaxial ferroelectric orthorhombic HfO2-based thin films. Journal of Applied Physics, 2016, 119, .	2.5	57
122	Note: An X-ray powder diffractometer with a wide scattering-angle range of 72Â° using asymmetrically positioned one-dimensional detectors. Review of Scientific Instruments, 2016, 87, 016106.	1.3	5
123	Formation of (111) orientation-controlled ferroelectric orthorhombic HfO2 thin films from solid phase via annealing. Applied Physics Letters, 2016, 109, .	3.3	29
124	Large irreversible non-180Â° domain switching after poling treatment in Pb(Zr, Ti)O3 films. Applied Physics Letters, 2016, 108, .	3.3	10
125	Fabrication and characterization of (111)-epitaxial Pb(Zr0.35Ti0.65)O3/Pb(Zr0.65Ti0.35)O3artificial superlattice thin films. Japanese Journal of Applied Physics, 2016, 55, 10TA20.	1.5	2
126	A three-dimensional accordion-like metalâ€“organic framework: synthesis and unconventional oriented growth on a surface. Chemical Communications, 2016, 52, 6017-6020.	4.1	18

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127	Effect of cation doping on ionic conductivity and crystal structure of oxyapatite-type lanthanum silicates. Solid State Ionics, 2016, 289, 106-112.	2.7	5
128	Size dependent lattice constant change of thiol self-assembled monolayer modified Au nanoclusters studied by grazing incidence x-ray diffraction. Electrochemistry Communications, 2016, 65, 35-38.	4.7	11
129	Confirmation of no Structural and Chemical Changes in Curie Temperature Variable Co Ultrathin Films by Electric Field. Zeitschrift Fur Physikalische Chemie, 2016, 230, .	2.8	7
130	Crystal Isomers of ScFeO₃. Crystal Growth and Design, 2016, 16, 5214-5222.	3.0	25
131	Strain evolution of epitaxial tetragonal-like BiFeO3thin films on LaAlO3(001) substrates prepared by sputtering and their bulk photovoltaic effect. Japanese Journal of Applied Physics, 2016, 55, 101501.	1.5	15
132	Size dependence of structural parameters in fcc and hcp Ru nanoparticles, revealed by Rietveld refinement analysis of high-energy X-ray diffraction data. Scientific Reports, 2016, 6, 31400.	3.3	50
133	Epitaxial synthesis and physical properties of double-perovskite oxide Sr₂CoRuO₆thin films. Journal of Physics Condensed Matter, 2016, 28, 436005.	1.8	6
134	Origin of the catalytic activity of face-centered-cubic ruthenium nanoparticles determined from an atomic-scale structure. Physical Chemistry Chemical Physics, 2016, 18, 30622-30629.	2.8	39
135	The demonstration of significant ferroelectricity in epitaxial Y-doped HfO2 film. Scientific Reports, 2016, 6, 32931.	3.3	194
136	Microscopic Observation of Degradation of LaNiO₃Ultrathin Films Caused by Air Exposure. E-Journal of Surface Science and Nanotechnology, 2016, 14, 14-16.	0.4	2
137	Rietveld analysis using powder diffraction data with anomalous scattering effect obtained by focused beam flat sample method. AIP Conference Proceedings, 2016, , .	0.4	3
138	Structural studies of metal nanoparticles using high-energy x-ray diffraction. AIP Conference Proceedings, 2016, , .	0.4	5
139	Indirect monitoring shot-to-shot shock waves strength reproducibility during pumpâ€“probe experiments. Journal of Applied Physics, 2016, 120, .	2.5	5
140	Fabrication of Tetragonal Pb(Zr,Ti)O₃Nanorods by Focused Ion Beam and Characterization of the Domain Structure. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 1642-1646.	3.0	3
141	Dynamical Response of the Electric Double Layer Structure of the DEME-TFSI Ionic Liquid to Potential Changes Observed by Time-Resolved X-ray Reflectivity. Zeitschrift Fur Physikalische Chemie, 2016, 230, 577-585.	2.8	6
142	Crystalline coordination framework endowed with dynamic gate-opening behaviour by being downsized to a thin film. Nature Chemistry, 2016, 8, 377-383.	13.6	212
143	Synchrotron X-ray Scattering Measurements of Disordered Materials. Zeitschrift Fur Physikalische Chemie, 2016, 230, .	2.8	24
144	Domain structure of tetragonal Pb(Zr,Ti)O₃ nanorods and its size dependence. Japanese Journal of Applied Physics, 2015, 54, 10NA07.	1.5	8

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145	Phase transitions associated with competing order parameters in compressively strained<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub><m films. Physical Review B, 2015, 91, .	3.2	12
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