

Koji Horiba

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis of High-Entropy Layered Oxide Epitaxial Thin Films: $\text{LiCr}_{1/6}\text{Mn}_{1/6}\text{Fe}_{1/6}\text{Co}_{1/6}\text{Ni}_{1/6}\text{Cu}_{1/6}\text{O}_{2x}$. Crystal Growth and Design, 2022, 22, 1116-1122.	1.0	2
2	Two-dimensional superconductivity in single-band correlated H_{2}NbO_4 layers. Physical Review B, 2022, 105, .	1.1	4
3	Development of a versatile micro-focused angle-resolved photoemission spectroscopy system with Kirkpatrick-Baez mirror optics. Review of Scientific Instruments, 2022, 93, 033906.	0.6	21
4	Intervalence charge transfer and charge transport in the spinel ferrite ferromagnetic semiconductor Ru-doped $\text{Co}_4\text{FeO}_{10}$. Physical Review B, 2022, 105, .	1.1	4
5	Electronic band structure of Ti_2O_3 thin films studied by angle-resolved photoemission spectroscopy. Physical Review B, 2022, 105, .	1.1	4
6	Rhombic Fermi surfaces in a ferromagnetic MnGa thin film with perpendicular magnetic anisotropy. Physical Review Materials, 2022, 6, .	0.9	0
7	Transport properties and electronic structure of fluorine-doped SnO ₂ prepared by ultrasonic assisted mist deposition. Journal of Electron Spectroscopy and Related Phenomena, 2021, 247, 147041.	0.8	0
8	Extended superconducting dome revealed by angle-resolved photoemission spectroscopy of electron-doped cuprates prepared by the protect annealing method. Physical Review Research, 2021, 3, .	1.3	10
9	High-Quality Few-Layer Graphene on Single-Crystalline SiC thin Film Grown on Affordable Wafer for Device Applications. Nanomaterials, 2021, 11, 392.	1.9	10
10	Total reflection hard x-ray photoelectron spectroscopy: Applications to strongly correlated electron systems. Physical Review B, 2021, 103, .	1.1	2
11	Local polarization and valence distribution in LaNiO_3 / LaMnO_3 heterostructure. Physical Review B, 2021, 104, .	1.1	3
12	Electronic structure of SrTiO_3 films studied by <i>in situ</i> photoemission spectroscopy: Screening for a transparent electrode. Physical Review B, 2021, 104, .	1.1	6
13	Epitaxial-Strain-Induced Spontaneous Magnetization in Polar $\text{Mn}_2\text{Mo}_3\text{O}_8$. Chemistry of Materials, 2021, 33, 7713-7718.	3.2	3
14	Large magnetoresistance of a compensated metal Cu ₂ Sb correlated with its Fermi surface topology. Physical Review Materials, 2021, 5, .	0.9	0
15	Imaging the itinerant-to-localized transmutation of electrons across the metal-to-insulator transition in VO_3 . Science Advances, 2021, 7, eabj1164.	4.7	6
16	Resonant tunneling driven metal-insulator transition in double quantum-well structures of strongly correlated oxide. Nature Communications, 2021, 12, 7070.	5.8	6
17	Observation of inverted band structure in the topological Dirac semimetal candidate CaAuAs. Physical Review B, 2020, 102, .	1.1	13
18	Spin and orbital magnetic moments in perpendicularly magnetized $\text{Ni}_1\text{Co}_2\text{O}_4$ films. Physical Review B, 2021, 104, .	1.1	30

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19	Thickness dependence of electronic structures in VO ₂ ultrathin films: Suppression of the cooperative Mott-Peierls transition. <i>Physical Review B</i> , 2020, 102, .	1.1	12
20	Influence of oxygen vacancies on magnetic properties of perpendicularly magnetized NiCo ₂ O ₄ epitaxial thin films. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	21
21	Insulator-to-Metal Transition of Cr ₂ O ₃ Thin Films via Isovalent Ru ³⁺ Substitution. <i>Chemistry of Materials</i> , 2020, 32, 5272-5279.	3.2	5
22	Impact of the Crystal Orientation of Positive Electrodes on the Interface Resistance across a Solid Electrolyte and Electrode. <i>ACS Applied Energy Materials</i> , 2020, 3, 6416-6421.	2.5	14
23	Low resistance at LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ and Li ₃ PO ₄ interfaces. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	18
24	Tunable two-dimensional electron system at the (110) surface of SnO_2 . <i>Physical Review B</i> , 2020, 101, .	1.1	9
25	Thickness-induced metal to insulator transition in Ru nanosheets probed by photoemission spectroscopy: Effects of disorder and Coulomb interaction. <i>Scientific Reports</i> , 2020, 10, 1541.	1.6	2
26	Evolution of Electronic States and Emergence of Superconductivity in the Polar Semiconductor GeTe by Doping Valence-Skipping Indium. <i>Physical Review Letters</i> , 2020, 124, 047002.	2.9	14
27	Electronic properties of perovskite strontium chromium oxyfluoride epitaxial thin films fabricated via low-temperature topotactic reaction. <i>Physical Review Materials</i> , 2020, 4, .	0.9	5
28	Electronic structure of a MoS_2 on silicon layer on Al(111). <i>Physical Review Materials</i> , 2020, 4, .	0.9	5
29	Anomalous Hall effect at the spontaneously electron-doped polar surface of PdCo_2O_7 ultrathin films. <i>Physical Review Research</i> , 2020, 2, .	1.3	20
30	Surface Proton Conduction of Sm-Doped CeO _{2-δ} Thin Film Preferentially Grown on Al ₂ O ₃ (0001). <i>Nanoscale Research Letters</i> , 2020, 15, 42.	3.1	8
31	Polarity reversal of the charge carrier in tetragonal TiH _x (x=1.6~2.0) at low temperatures. <i>Physical Review Research</i> , 2020, 2, .	1.3	3
32	Surface Electron-Ion Mixed Conduction of Ti _{0.99} Sc _{0.01} O _{2-δ} Thin Film with Lattice Distortion and Oxygen Vacancies. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 054711.	0.7	4
33	Temperature-dependent evolution of Ti 3d spectral features at surface of Ba _x Ti ₈ O _{16+δ} . <i>Physical Review B</i> , 2019, 100, .	1.1	2
34	Microscopic photoelectron analysis of single crystalline LiCoO ₂ particles during the charge-discharge in an all solid-state lithium ion battery. <i>Scientific Reports</i> , 2019, 9, 12452.	1.6	14
35	Non-trivial surface states of samarium hexaboride at the (111) surface. <i>Nature Communications</i> , 2019, 10, 2298.	5.8	22
36	Magnetic and electronic properties of LaMn_2CrMn -site-ordered double-perovskite oxide LaMn_2CrMn . <i>Physical Review B</i> , 2019, 100, .	1.1	10

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37	Evidence for bulk nodal loops and universality of Dirac-node arc surface states in $ZrGeX$ ($X = Ti, V, Nb, Ta$). Physical Review B, 2019, 100, 041407.	4.7	193
38	Influence of interface dipole layers on the performance of graphene field effect transistors. Carbon, 2019, 152, 680-687.	5.4	19
39	Operando measurement of single crystalline $Li_4Ti_5O_{12}$ with octahedral-like morphology by microscopic X-ray photoelectron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2019, 233, 64-68.	0.8	9
40	Emergence of metallic monoclinic states of VO_2 films induced by K deposition. Physical Review B, 2019, 99, 041407.	1.4	6
41	Bottom-current-collector-free thin-film batteries using $LiNi_{0.8}Co_{0.2}O_2$ epitaxial thin films. Journal of Power Sources, 2019, 416, 56-61.	4.0	16
42	Observation of Chiral Fermions with a Large Topological Charge and Associated Fermi-Arc Surface States in CoSi. Physical Review Letters, 2019, 122, 076402.	2.9	211
43	Natural van der Waals heterostructural single crystals with both magnetic and topological properties. Science Advances, 2019, 5, eaax9989.	4.7	193
44	Unusual change in the Dirac-cone energy band upon a two-step magnetic transition in CeBi. Physical Review B, 2019, 100, 041407.	1.1	13
45	Relationship between charge redistribution and ferromagnetism at the heterointerface between the perovskite oxides $LaNiO_3$ and $LaMnO_3$.	1.1	11
46	Valence-bond insulator in proximity to excitonic instability. Physical Review B, 2019, 100, 041407.	1.1	8
47	Growth and physical properties of $Ce(O,F)Sb(S,Se)_2$ single crystals with site-selected chalcogen atoms. Solid State Communications, 2019, 289, 38-42.	0.9	5
48	Electronic structure of a monoatomic Cu_2Si Si layer on a Si(111) substrate. Physical Review Materials, 2019, 3, 014001.	0.9	15
49	Modulation of Electronic States near Electrodes in Graphene Transistors Observed by Operando Photoelectron Nanospectroscopy. Sensors and Materials, 2019, 31, 2303.	0.3	1
50	Control of two-dimensional electronic states at anatase Ti_2O_3 surface by K adsorption. Physical Review B, 2018, 97, 041407.	1.1	11
51	Converting topological insulators into topological metals within the tetradymite family. Physical Review B, 2018, 97, 041407.	1.1	4
52	Observation of Dirac-like energy band and ring-torus Fermi surface associated with the nodal line in topological insulator $CaAgAs$. Npj Quantum Materials, 2018, 3, 014001.	1.8	93
53	Unexpected metal-insulator transition in thick $Ca_{1-x}Sr_xVO_3$ film on $SrTiO_3$ (100) single crystal. Applied Physics Letters, 2018, 112, 133106.	1.5	5
54	Surface electronic structure of $SmB_6(111)$. Physica B: Condensed Matter, 2018, 536, 75-77.	1.3	4

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55	Origins of Thermal Spin Depolarization in Half-Metallic Ferromagnet CrO_2 . Physical Review Letters, 2018, 121, 257201.	2.9	8
56	Operation Mechanism of GaN-based Transistors Elucidated by Element-Specific X-ray Nanospectroscopy. Scientific Reports, 2018, 8, 13268.	1.6	9
57	Large anisotropy in conductivity of Ti_2O_3 films. APL Materials, 2018, 6, .	2.2	13
58	Giant Rashba splitting of quasi-one-dimensional surface states on $\text{Bi}/\text{InAs}(110)$ - $\sqrt{2}\times\sqrt{2}$ interface. Physical Review B, 2018, 98, .	1.4	14
59	Element Selectivity in Second-Harmonic Generation of GaFeO_3 by a Soft-X-Ray Free-Electron Laser. Physical Review Letters, 2018, 120, 223902.	2.9	29
60	Observation of a Dirac nodal line in AlB_2 . Physical Review B, 2018, 98, .	1.4	22
61	Angle-resolved photoemission spectroscopy of the low-energy electronic structure of superconducting Pr_2O_7 driven by oxygen nonstoichiometry. Physical Review B, 2018, 98, .	1.1	17
62	Band alignment at $\hat{\Gamma}^2$ - $(\text{Al}_x\text{Ga}_{1-x})_2\text{O}_3/\hat{\Gamma}^2$ - Ga_2O_3 (100) interface fabricated by pulsed-laser deposition. Applied Physics Letters, 2018, 112, 232103.	1.5	47
63	High-density two-dimensional electron system induced by oxygen vacancies in ZnO. Physical Review Materials, 2018, 2, .	0.9	14
64	Electronic properties across metal-insulator transition in $\hat{\Gamma}^2$ -pyrochlore-type CsW_2O_6 epitaxial films. Physical Review Materials, 2018, 2, .	0.9	4
65	Nanoscale Angle-Resolved Photoelectron Spectroscopy. , 2018, , 395-399.		0
66	Ion Conduction of BaPrO_3 - $\hat{\Gamma}$ Thin Film with Mixed Valence State for SOFC Anode Electrode. ECS Transactions, 2017, 75, 99-103.	0.3	0
67	Proton Conduction on YSZ Electrolyte Thin Films Prepared by RF Magnetron Sputtering. ECS Transactions, 2017, 75, 115-120.	0.3	10
68	Interlayer states arising from anionic electrons in the honeycomb-lattice-based compounds AeAlSi ($\text{A}=\text{Ca, Sr, Ba}$). Physical Review B, 2017, 96, .	1.1	8
69	Resonant photoemission and X-ray absorption spectroscopies of lithiated magnetite thin film. Japanese Journal of Applied Physics, 2017, 56, 04CK01.	0.8	1
70	Thickness-dependent surface proton conduction in (111) oriented yttria-stabilized zirconia thin film. Solid State Ionics, 2017, 311, 46-51.	1.3	25
71	ARPES studies of the inverse perovskite $\text{Ca}_3\text{Co}_2\text{Sb}_5$: Experimental confirmation of a candidate 3D Dirac fermion system. Physical Review B, 2017, 96, .	1.3	36
72	Electronic structure and polar catastrophe at the surface of LiCoO_2 studied by angle-resolved photoemission spectroscopy. Physical Review B, 2017, 96, .	1.1	6

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73	Highly oriented epitaxial CaFe ₂ O ₄ thin films on TiO ₂ substrates grown by pulsed-laser deposition. Thin Solid Films, 2017, 638, 406-409.	0.8	1
74	Three-dimensional band structure of LaSb and CeSb: Absence of band inversion. Physical Review B, 2017, 96, .	1.1	52
75	Hole-Proton Mixed Conduction of Perovskite-Oxide Thin Film with Oxygen Vacancies and Lattice Distortion for SOFC Electrode. ECS Transactions, 2017, 78, 1973-1977.	0.3	0
76	Electronic Structures and Photoanodic Properties of Ilmenite-type <i>M</i> TiO ₃ Epitaxial Films (<i>M</i> = Mn, Fe, Co, Ni). Journal of Physical Chemistry C, 2017, 121, 18717-18724.	1.5	26
77	Ce 4f electronic states of CeO _{1-x} F _x BiS ₂ studied by soft x-ray photoemission spectroscopy. Physical Review B, 2017, 95, .	1.1	5
78	Emergence of Quantum Critical Behavior in Metallic Quantum-Well States of Strongly Correlated Oxides. Scientific Reports, 2017, 7, 16621.	1.6	14
79	Orbital-Dependent Band Renormalization in BaNi ₂ (As _{1-x} P _x) ₂ (0 ≤ x ≤ 1). Physical Review B, 2017, 95, 041107.	1.1	17
80	Semimetallic bands derived from interlayer electrons in the quasi-two-dimensional electride Y ₂ C ₂ . Physical Review B, 2017, 96, .	1.1	17
81	Electron Conduction of Nd _{0.6} Sr _{0.4} FeO _{3-δ} Thin Film with Oxygen Vacancies Prepared by RF Magnetron Sputtering. Journal of the Physical Society of Japan, 2017, 86, 074704.	0.7	2
82	Surface Electronic Structure of Proton-doped YSZ Thin Film by Soft-X-ray Photoemission Spectroscopy. Transactions of the Materials Research Society of Japan, 2017, 42, 61-64.	0.2	8
83	Oxide Ion Conduction of BaCe _{0.80} Zr _{0.10} Y _{0.10} O _{3-δ} Thin Film with Oxygen Vacancies. Transactions of the Materials Research Society of Japan, 2017, 42, 97-100.	0.2	0
84	Temperature dependence of Yb valence in the sub-surface of YbB ₁₂ (001). Journal of Physics: Conference Series, 2017, 807, 012003.	0.3	9
85	Electron-Ion Mixed Conduction of Nd _{0.6} Sr _{0.4} FeO ₃ Cathode Electrode Thin Film for Solid Oxide Fuel Cell. ECS Transactions, 2017, 75, 83-88.	0.3	1
86	Angle-Resolved Photoemission Spectroscopy Utilizing Characteristics of Synchrotron Radiation. Hyomen Kagaku, 2017, 38, 553-558.	0.0	1
87	Current status of BL-2B at photon factory. AIP Conference Proceedings, 2016, , .	0.3	1
88	Electrical and structural properties of BaCe _{0.85} Ru _{0.05} Y _{0.10} O _{3-δ} thin film prepared by RF magnetron sputtering. Japanese Journal of Applied Physics, 2016, 55, 06GJ02.	0.8	1
89	Epitaxial growth and electric properties of $\hat{\Gamma}^3$ -Al ₂ O ₃ (110) films on $\hat{\Gamma}^2$ -Ga ₂ O ₃ (010) substrates. Japanese Journal of Applied Physics, 2016, 55, 1202B6.	0.8	33
90	Ce Core-Level Spectroscopy, and Magnetic and Electrical Transport Properties of Lightly Ce-Doped YCo ₃ . Journal of the Physical Society of Japan, 2016, 85, 114704.	0.7	2

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91	Hubbard band versus oxygen vacancy states in the correlated electron metal SrVO_3 . Physical Review B, 2016, 94, .	1.1	9
92	Spatial distribution of transferred charges across the heterointerface between perovskite transition metal oxides LaNiO_3 and LaMnO_3 . Applied Physics Letters, 2016, 108, .	1.5	14
93	Influence of SrVO_3 on ARPES spectra of the (110) and (001) surfaces of SrVO_3 . Physical Review B, 2016, 94, .	1.1	9
94	Ligancy-Driven Controlling of Covalency and Metallicity in a Ruthenium Two-Dimensional System. Chemistry of Materials, 2016, 28, 5784-5790.	3.2	3
95	Electron-Ion Mixed Conduction of $\text{BaCe}_{0.90}\text{Y}_{0.10}\text{O}_{3-\delta}$ Thin Film Generated by Ru Substitution. Journal of the Physical Society of Japan, 2016, 85, 034705.	0.7	5
96	Epitaxial synthesis and physical properties of double-perovskite oxide $\text{Sr}_2\text{CoRuO}_6$ thin films. Journal of Physics Condensed Matter, 2016, 28, 436005.	0.7	6
97	Observation of nanoscopic charge-transfer region at metal/ MoS_2 interface. Materials Research Express, 2016, 3, 075004.	0.8	5
98	Isotropic Kink and Quasiparticle Excitations in the Three-Dimensional Perovskite Manganite $\text{La}_{0.6}\text{MnO}_3$. Physical Review Letters, 2016, 116, 076401.	2.9	16
99	Surface Kondo effect and non-trivial metallic state of the Kondo insulator YbB_{12} . Nature Communications, 2016, 7, 12690.	5.8	44
100	Electronic structure of c-axis controlled Fe_2O_3 thin film probed by soft-X-ray spectroscopy. Japanese Journal of Applied Physics, 2016, 55, 06GJ04.	0.8	1
101	Operando Scanning Photoelectron Microscopy Analysis for Electronic Devices. Hyomen Kagaku, 2016, 37, 25-30.	0.0	0
102	Electrical and structural properties of TiO_2 thin film with oxygen vacancies prepared by RF magnetron sputtering using oxygen radical. Japanese Journal of Applied Physics, 2016, 55, 06GJ08.	0.8	6
103	Metal-insulator transition of valence-controlled VO_2 thin film prepared by RF magnetron sputtering using oxygen radical. Japanese Journal of Applied Physics, 2016, 55, 06GJ11.	0.8	5
104	Origin of the Anomalous Mass Renormalization in Metallic Quantum Well States of Strongly Correlated Oxide SrVO_3 . Physical Review Letters, 2015, 115, 076801.	2.9	26
105	Microscopically-Tuned Band Structure of Epitaxial Graphene through Interface and Stacking Variations Using Si Substrate Microfabrication. Scientific Reports, 2015, 4, 5173.	1.6	13
106	Electronic structure of $\text{Ti}_{1-x}\text{O}_{2-x}$ thin films with oxygen vacancies probed by soft X-ray spectroscopy. Japanese Journal of Applied Physics, 2015, 54, 06FJ07.	0.8	3
107	Direct growth of metallic TiH_2 thin films by pulsed laser deposition. Applied Physics Express, 2015, 8, 035801.	1.1	8
108	Fermi surfaces and hybridization in the diluted magnetic semiconductor $\text{BaK}_2\text{FeAs}_2$. Physical Review B, 2015, 92, .	1.1	25

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109	Metal-Insulator Transition of c-Axis-Controlled V ₂ O ₃ Thin Film. Journal of the Physical Society of Japan, 2015, 84, 064701.	0.7	6
110	Synthesis and magnetic properties of double-perovskite oxide $\text{La}_{1-x}\text{Mn}_x\text{Mg}_{1-x}\text{Mn}_x\text{O}_6$ thin films. Physical Review B, 2015, 91, .	2.1	39
111	Chemical potential shift in organic field-effect transistors identified by soft X-ray <i>operando</i> nano-spectroscopy. Applied Physics Letters, 2015, 106, .	1.5	18
112	Electronic structure and oxygen ion conductivity of as-deposited $\text{Ce}_{0.90}\text{Sm}_{0.10}\text{O}_{2+\delta}$ thin film prepared by RF magnetron sputtering. Japanese Journal of Applied Physics, 2015, 54, 06FJ04.	0.8	13
113	Determination of band diagram for a <i>p-n</i> junction between Mott insulator LaMnO ₃ and band insulator Nb:SrTiO ₃ . Applied Physics Letters, 2015, 106, .	1.5	13
114	Spin-glass behaviors in carrier polarity controlled Fe _{3-x} Ti _x O ₄ semiconductor thin films. Journal of Applied Physics, 2015, 118, 063905.	1.1	8
115	Hole-ion Mixed Conduction of Orientation-Controlled BaPrO ₃ Thin Film with Mixed Valence States. Journal of the Physical Society of Japan, 2015, 84, 114708.	0.7	6
116	Spectromicroscopic analysis of lithium intercalation in spinel LiMn ₂ O ₄ for lithium-ion battery by 3D nano-ESCA. Journal of Physics: Conference Series, 2014, 502, 012013.	0.3	2
117	<i>p</i> -orbitals bring three-dimensional electronic structure to two-dimensional Ir <i>p</i> -orbitals. Physical Review B, 2014, 89, .	1.1	13
118	Bandwidth-controlled metal-insulator transition in epitaxial PrNiO ₃ ultrathin films induced by dimensional crossover. Applied Physics Letters, 2014, 104, .	1.5	14
119	Pinpoint <i>operando</i> analysis of the electronic states of a graphene transistor using photoelectron nanospectroscopy. Applied Physics Express, 2014, 7, 065101.	1.1	13
120	Electronic Structure and Photoelectrochemical Properties of an Ir-Doped SrTiO ₃ Photocatalyst. Journal of Physical Chemistry C, 2014, 118, 20222-20228.	1.5	63
121	Coexistence of Bloch electrons and glassy electrons in Ca ₁₀ (Ir ₄ As ₈)(Fe _{2-x} Ir _x As ₂) ₅ revealed by angle-resolved photoemission spectroscopy. Physical Review B, 2014, 89, .	1.1	5
122	Electronic structure of $\text{Li}_2\text{Fe}_{1-x}\text{Mn}_x\text{P}_2\text{O}_7$ for lithium-ion battery studied by resonant photoemission spectroscopy. Journal of Physics: Conference Series, 2014, 502, 012004.	0.3	1
123	Gradual localization of Ni <i>d</i> -states in LaNiO ₃ ultrathin films induced by dimensional crossover. Physical Review B, 2013, 87, .	1.1	55
124	Resonant photoemission spectroscopy of the cathode material Li _x Mn _{0.5} Fe _{0.5} PO ₄ for lithium-ion battery. Journal of Power Sources, 2013, 226, 42-46.	4.0	13
125	Direct observation of charge transfer region at interfaces in graphene devices. Applied Physics Letters, 2013, 102, .	1.5	33
126	Capability of insulator study by photoemission electron microscopy at SPring-8. Journal of Synchrotron Radiation, 2013, 20, 620-625.	1.0	8

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127	Observation of rebirth of metallic paths during resistance switching of metal nanowire. Applied Physics Letters, 2013, 103, 193114.	1.5	13
128	Determination of the surface and interface phase shifts in metallic quantum well structures of perovskite oxides. Physical Review B, 2013, 88, .	1.1	12
129	Three Dimensional Scanning Photoelectron Microscope (3D nano-ESCA). Hyomen Kagaku, 2013, 34, 568-573.	0.0	0
130	Depth profiling the potential in perovskite oxide heterojunctions using photoemission spectroscopy. Physical Review B, 2012, 85, .	1.1	7
131	Self-Energy on the Low- to High-Energy Electronic Structure of Correlated Metal SrVO_3 . Physical Review Letters, 2012, 109, 056401.	2.9	62
132	Resonant Photoemission Spectroscopy of the Cathode Material Li_xFePO_4 for Lithium Ion Battery. Journal of Physical Chemistry C, 2011, 115, 25519-25522.	1.5	15
133	Metallic Quantum Well States in Artificial Structures of Strongly Correlated Oxide. Science, 2011, 333, 319-322.	6.0	125
134	Role of residual transition-metal atoms in oxygen reduction reaction in cobalt phthalocyanine-based carbon cathode catalysts for polymer electrolyte fuel cell. Journal of Power Sources, 2011, 196, 8346-8351.	4.0	38
135	X-ray photoemission spectroscopy analysis of N-containing carbon-based cathode catalysts for polymer electrolyte fuel cells. Journal of Power Sources, 2011, 196, 1006-1011.	4.0	98
136	Scanning photoelectron microscope for nanoscale three-dimensional spatial-resolved electron spectroscopy for chemical analysis. Review of Scientific Instruments, 2011, 82, 113701.	0.6	64
137	Electronic Structures of Non-Pt Carbon Alloy Catalysts for Polymer Electrolyte Membrane Fuel Cells Revealed by Synchrotron Radiation Analyses. Materials Research Society Symposia Proceedings, 2011, 1318, 1.	0.1	1
138	(Invited) Synchrotron Radiation Nano-Spectroscopy of Dielectrics for LSI and ReRAM. ECS Transactions, 2011, 41, 453-460.	0.3	4
139	Nano-Scale Characterization of Poly-Si Gate on High-k Gate Stack Structures by Scanning Photoemission Microscopy. E-Journal of Surface Science and Nanotechnology, 2011, 9, 224-227.	0.1	3
140	Electronic structure of SrRuO_3 by photoemission and x-ray absorption spectroscopy. Physical Review B, 2010, 81, .	1.1	13
141	(Invited) Synchrotron Radiation Photoelectron Spectroscopy of Metal Gate/HfSiO(N)/SiO(N)/Si Stack Structures. ECS Transactions, 2010, 33, 231-240.	0.3	2
142	Pressure-induced change in the electronic structure of epitaxially strained LaMnO_3 films. Physical Review B, 2009, 80, .	1.1	13
143	Fermi surfaces, electron-hole asymmetry, and correlation kink in a three-dimensional Fermi liquid LaNiO_3 . Physical Review B, 2009, 79, .	1.1	87
144	Thickness dependent electronic structure of $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ layer in $\text{SrTiO}_3/\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3/\text{SrTiO}_3$ heterostructures studied by hard x-ray photoemission spectroscopy. Applied Physics Letters, 2009, 94, .	1.5	16

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145	Inhomogeneous chemical states in resistance-switching devices with a planar-type Pt/CuO/Pt structure. Applied Physics Letters, 2009, 95, .	1.5	94
146	Spectroscopic Evidence for Competing Reconstructions in Polar Multilayers $\text{LaAlO}_3/\text{SrTiO}_3/\text{VO}^{\text{VO}}$ Physical Review Letters, 2009, 102, 236401.	2.9	40
147	Electronic structure characterization of La ₂ NiMnO ₆ epitaxial thin films using synchrotron-radiation photoelectron spectroscopy and optical spectroscopy. Applied Physics Letters, 2009, 94, .	1.5	43
148	Fabrication and Characterization of AlN/InN Heterostructures. Applied Physics Express, 2009, 2, 011002.	1.1	12
149	X-ray absorption analysis of nitrogen contribution to oxygen reduction reaction in carbon alloy cathode catalysts for polymer electrolyte fuel cells. Journal of Power Sources, 2009, 187, 93-97.	4.0	448
150	Anomalous Duality of $4f$ Electrons in Filled Skutterudite CeOs_4/Sb Physical Review Letters, 2009, 102, 036403.	2.9	22
151	Analysis of ITO/Mg:GaN interfaces by synchrotron radiation hard X-ray photoemission spectroscopy and their electrical characteristics. Applied Surface Science, 2008, 255, 2149-2152.	3.1	3
152	Highly reliable TaOx ReRAM and direct evidence of redox reaction mechanism. , 2008, , .		241
153	Electronic structure of semiconducting CeFe ₄ P ₁₂ : Strong hybridization and relevance of single-impurity Anderson model. Physical Review B, 2008, 77, .	1.1	13
154	Coherent and Incoherent Excitations of Electron-Doped SrTiO_3 Physical Review Letters, 2008, 100, 056401.	2.9	88
155	Photoemission evidence for a Mott-Hubbard metal-insulator transition in VO_2 Hard X-ray Photoemission Study of $\text{LaAlO}_3/\text{SrTiO}_3/\text{VO}^{\text{VO}}$ Physical Review Letters, 2009, 102, 036403.	1.1	90
156	Photoemission evidence for a Mott-Hubbard metal-insulator transition in VO_2 Hard X-ray Photoemission Study of $\text{LaAlO}_3/\text{SrTiO}_3/\text{VO}^{\text{VO}}$ Physical Review Letters, 2009, 102, 036403.	1.1	31
157	Determination of Band Structures of InN/GaN Interfaces by Synchrotron Radiation Hard X-ray Photoemission Spectroscopy. E-Journal of Surface Science and Nanotechnology, 2008, 6, 254-257.	0.1	1
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