

Akira Chikamatsu

List of Publications by Year in descending order

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84
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361413

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docs citations

84
times ranked

2077
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Improvement of electric insulation in dielectric layered perovskite nickelate films via fluorination. Journal of Materials Chemistry C, 2022, 10, 1711-1717. | 5.5 | 2 |
| 2 | Photo-induced antiferromagnetic-ferromagnetic and spin-state transition in a double-perovskite cobalt oxide thin film. Communications Physics, 2022, 5, . | 5.3 | 3 |
| 3 | Crystal structure and electronic property modification of $\text{Ca}_{2}\text{MnO}_7$ thin films via fluorine doping. Physical Review Materials, 2022, 6, . | | |
| 4 | Ionic order and magnetic properties of double-perovskite $\text{GdBaCo}_2\text{O}_{5.5}$ films on SrTiO_3 substrates. Journal of the Ceramic Society of Japan, 2022, 130, 429-431. | 1.1 | 3 |
| 5 | Room-Temperature Antiferroelectricity in Multiferroic Hexagonal Rare-Earth Ferrites. ACS Applied Materials & Interfaces, 2021, 13, 4230-4235. | 8.0 | 9 |
| 6 | Investigation of the electronic states of A-site layer-ordered double perovskite YBaCo_2O_x ($x=5.3$ and 6) thin films by x-ray spectroscopy. Applied Physics Letters, 2021, 118, . | 3.3 | 5 |
| 7 | Flux Crystal Growth, Crystal Structure, and Magnetic Properties of a Ternary Chromium Disulfide $\text{Ba}_9\text{Cr}_4\text{S}_{19}$ with Unusual Cr_4S_{15} Tetramer Units. ACS Omega, 2021, 6, 6842-6847. | 3.5 | 0 |
| 8 | Synthesis and magnetism of MoCo_2O_4 spinel thin films. Thin Solid Films, 2021, 728, 138696. | 1.8 | 3 |
| 9 | Ionic Order Engineering in Double-Perovskite Cobaltite. Chemistry of Materials, 2021, 33, 5675-5680. | 6.7 | 9 |
| 10 | Heavy carrier doping by hydrogen in the spin-orbit coupled Mott insulator Sr_2MnO_7 . Physical Review B, 2021, 104, . | 2.1 | 1 |
| 11 | Epitaxial-Strain-Induced Spontaneous Magnetization in Polar $\text{Mn}_2\text{Mo}_3\text{O}_8$. Chemistry of Materials, 2021, 33, 7713-7718. | 6.7 | 3 |
| 12 | Heteroepitaxial Growth of a Ta_3N_5 Thin Film with Clear Anisotropic Optical Properties. Journal of Physical Chemistry Letters, 2021, 12, 12323-12328. | 4.6 | 2 |
| 13 | Strain-induced creation and switching of anion vacancy layers in perovskite oxynitrides. Nature Communications, 2020, 11, 5923. | 12.8 | 20 |
| 14 | Strain-induced structural transition of rutile type ReO_2 epitaxial thin films. Applied Physics Letters, 2020, 117, 111903. | 3.3 | 2 |
| 15 | Influence of fluorination on electronic states and electron transport properties of Sr_2IrO_4 thin films. Journal of Materials Chemistry C, 2020, 8, 8268-8274. | 5.5 | 4 |
| 16 | Simple Method to Obtain Large-Size Single-Crystalline Oxide Sheets. Advanced Functional Materials, 2020, 30, 2001236. | 14.9 | 33 |
| 17 | Fluorination and reduction of CaCrO_3 by topochemical methods. Dalton Transactions, 2020, 49, 1997-2003. | 3.3 | 3 |
| 18 | Electronic properties of perovskite strontium chromium oxyfluoride epitaxial thin films fabricated via low-temperature topotactic reaction. Physical Review Materials, 2020, 4, . | 2.4 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Improved crystalline quality and electric conductivity in infinite-layer SrFeO ₂ films through Sm substitution. Applied Physics Letters, 2019, 114, 232906. | 3.3 | 2 |
| 20 | Reactive solid phase epitaxy of layered aurivillius-type oxyfluorides Bi ₂ TiO ₄ F ₂ using polyvinylidene fluoride. Dalton Transactions, 2019, 48, 5425-5428. | 3.3 | 3 |
| 21 | Selective fluorination of perovskite iron oxide/ruthenium oxide heterostructures <i>via</i> a topotactic reaction. Chemical Communications, 2019, 55, 2437-2440. | 4.1 | 3 |
| 22 | Two-Dimensional Fluorine Distribution in a Heavily Distorted Perovskite Nickel Oxyfluoride Revealed by First-Principles Calculation. Journal of Physical Chemistry C, 2019, 123, 31190-31195. | 3.1 | 4 |
| 23 | p-Type Conductivity and Room-Temperature Ferrimagnetism in Spinel MoFe ₂ O ₄ Epitaxial Thin Film. Crystal Growth and Design, 2019, 19, 902-906. | 3.0 | 11 |
| 24 | Ferromagnetism with strong magnetocrystalline anisotropy in A-site ordered perovskite YBaCo ₂ O ₆ epitaxial thin films prepared <i>via</i> wet-chemical topotactic oxidation. Journal of Materials Chemistry C, 2018, 6, 3445-3450. | 5.5 | 15 |
| 25 | Strain-enhanced topotactic hydrogen substitution for oxygen in SrTiO ₃ epitaxial thin film. Applied Physics Letters, 2018, 113, . | 3.3 | 6 |
| 26 | Fabrication of Fluorite-Type Fluoride Ba _{0.5} Bi _{0.5} F _{2.5} Thin Films by Fluorination of Perovskite BaBiO ₃ Precursors with Poly(vinylidene fluoride). ACS Omega, 2018, 3, 13141-13145. | 3.5 | 7 |
| 27 | Magnetotransport properties of perovskite EuNbO ₃ single-crystalline thin films. Applied Physics Letters, 2018, 113, 032401. | 3.3 | 3 |
| 28 | Structural and electrical properties of lanthanum copper oxide epitaxial thin films with different domain morphologies. CrystEngComm, 2018, 20, 5012-5016. | 2.6 | 2 |
| 29 | Spectroscopic and theoretical investigation of the electronic states of layered perovskite oxyfluoride $S_{\text{r}}\text{RuO}_6$ | | 6 |
| 30 | Reversible Changes in Resistance of Perovskite Nickelate NdNiO ₃ Thin Films Induced by Fluorine Substitution. ACS Applied Materials & Interfaces, 2017, 9, 10882-10887. | 8.0 | 39 |
| 31 | First-Principles Calculations on the Crystal/Electronic Structure and Phase Stability of H-Doped SrFeO ₂ . Journal of Physical Chemistry C, 2017, 121, 7478-7484. | 3.1 | 1 |
| 32 | Topotactic fluorination of perovskite strontium ruthenate thin films using polyvinylidene fluoride. CrystEngComm, 2017, 19, 313-317. | 2.6 | 19 |
| 33 | Epitaxial growth and electronic structure of oxyhydride SrVO ₂ H thin films. Journal of Applied Physics, 2016, 120, . | 2.5 | 21 |
| 34 | Formation of defect-fluorite structured NdNiO _x H _y epitaxial thin films via a soft chemical route from NdNiO ₃ precursors. Dalton Transactions, 2016, 45, 12114-12118. | 3.3 | 23 |
| 35 | Experimental and theoretical investigation of electronic structure of SrFeO _{3-δ} _x F _x epitaxial thin films prepared via topotactic reaction. Applied Physics Express, 2016, 9, 025801. | 2.4 | 10 |
| 36 | Topotactic reductive synthesis of A-site cation-ordered perovskite YBaCo ₂ O _x (x= 4.5-5.5) epitaxial thin films. Japanese Journal of Applied Physics, 2016, 55, 04EJ05. | 1.5 | 3 |

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|----|--|-----|-----------|
| 37 | Effects of Cr substitution on the magnetic and transport properties and electronic states of SrRuO_3 epitaxial thin films. <i>Physical Review B</i> , 2015, 92, . | 1.3 | 12 |
| 38 | Topotactic synthesis of strontium cobalt oxyhydride thin film with perovskite structure. <i>AIP Advances</i> , 2015, 5, . | 1.3 | 14 |
| 39 | Topotactic reductive fluorination of strontium cobalt oxide epitaxial thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 527-530. | 2.4 | 20 |
| 40 | Metallic conductivity in infinite-layer strontium iron oxide thin films reduced by calcium hydride. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 135304. | 2.8 | 8 |
| 41 | $\text{Sr}_2\text{MgMoO}_6$ thin films fabricated using pulsed-laser deposition with high concentrations of oxygen vacancies. <i>Applied Physics Letters</i> , 2014, 104, 261901. | 3.3 | 2 |
| 42 | Metallic transport and large anomalous Hall effect at room temperature in ferrimagnetic Mn_4N epitaxial thin film. <i>Applied Physics Letters</i> , 2014, 105, . | 3.3 | 59 |
| 43 | Topotactic fluorination of strontium iron oxide thin films using polyvinylidene fluoride. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5350-5356. | 5.5 | 38 |
| 44 | Photoelectrochemical Behavior of Self-Assembled Ag/Co Plasmonic Nanostructures Capped with TiO_2 . <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 25-29. | 4.6 | 10 |
| 45 | Structural Variation in Ag-Co Nanostructures Embedded in TiO_2 Thin Films Fabricated by Pulsed Laser Deposition. <i>Chemistry Letters</i> , 2014, 43, 225-227. | 1.3 | 4 |
| 46 | X-ray absorption and magnetic circular dichroism characterization of Fe-doped thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 333, 130-133. | 2.3 | 10 |
| 47 | Electronic and transport properties of Eu-substituted infinite-layer strontium ferrite thin films. <i>Journal of Crystal Growth</i> , 2013, 378, 165-167. | 1.5 | 1 |
| 48 | Enhanced coercivity of half-metallic $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ by Ru substitution under in-plane uniaxial strain. <i>Journal of Applied Physics</i> , 2012, 111, 07B102. | 2.5 | 2 |
| 49 | Investigation of electronic states of infinite-layer SrFeO_2 epitaxial thin films by X-ray photoemission and absorption spectroscopies. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2012, 184, 547-550. | 1.7 | 9 |
| 50 | Modified Surface Electronic and Magnetic Properties of $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ Thin Films for Spintronics Applications. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16947-16953. | 3.1 | 36 |
| 51 | Carrier Doping into SrFeO_2 Epitaxial Thin Films by Eu-Substitution. <i>Applied Physics Express</i> , 2011, 4, 013001. | 2.4 | 10 |
| 52 | Carrier compensation mechanism in heavily Nb-doped anatase $\text{Ti}_{1-x}\text{Nb}_x\text{O}_2$ epitaxial thin films. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 365404. | 2.8 | 17 |
| 53 | Transport properties and electronic states of anatase $\text{Ti}_{1-x}\text{W}_x\text{O}_2$ epitaxial thin films. <i>Journal of Applied Physics</i> , 2010, 107, 023705. | 2.5 | 24 |
| 54 | Magnetic and Transport Properties of Anatase TiO_2 Codoped with Fe and Nb. <i>Applied Physics Express</i> , 2010, 3, 043001. | 2.4 | 8 |

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|----|--|-----|-----------|
| 55 | Carrier Compensation by Excess Oxygen Atoms in Anatase $\text{Ti}_{0.94}\text{Nb}_{0.06}\text{O}_{2+\delta}$ Epitaxial Thin Films. Japanese Journal of Applied Physics, 2010, 49, 041102. | 1.5 | 18 |
| 56 | Madelung potentials and covalency effect in strained $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ thin films studied by core-level photoemission spectroscopy. Physical Review B, 2009, 80, . | 3.2 | 10 |
| 57 | Pressure-induced change in the electronic structure of epitaxially strained $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ thin films. Physical Review B, 2009, 80, . | 3.2 | 13 |
| 58 | In situ photoemission study of $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$ epitaxial thin films. Physical Review B, 2009, 79, . | 3.2 | 5 |
| 59 | Direct Observation of Gas Phase Nucleation during Physical Vapor Transport Growth of Organic Single Crystals Using a Transparent Furnace. Japanese Journal of Applied Physics, 2009, 48, 118003. | 1.5 | 1 |
| 60 | Systematic Analysis of ARPES Spectra of Transition-Metal Oxides: Nature of Effective d Band. Journal of the Physical Society of Japan, 2009, 78, 094709. | 1.6 | 5 |
| 61 | Electronic Band Structure of Transparent Conductor: Nb-Doped Anatase TiO_2 . Applied Physics Express, 2008, 1, 111203. | 2.4 | 134 |
| 62 | Carrier Compensation Mechanism of Highly Conductive Anatase $\text{Ti}_{0.94}\text{Nb}_{0.06}\text{O}_2$ Epitaxial Thin Films. Materials Research Society Symposia Proceedings, 2008, 1074, 1. | 0.1 | 1 |
| 63 | In situ Photoemission Study of $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ Gradual disappearance of the Fermi surface near the metal-insulator transition in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. | 3.2 | 13 |
| 64 | Temperature-dependence of the electronic structure of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ thin films studied by in situ photoemission spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2008, 160, 126-140. | 3.2 | 30 |
| 65 | Temperature-dependence of the electronic structure of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ thin films studied by in situ photoemission spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2007, 156-158, 375-378. | 1.7 | 4 |
| 66 | In situ angle-resolved photoemission study of half-metallic thin films. Journal of Magnetism and Magnetic Materials, 2007, 310, 1030-1032. | 2.3 | 0 |
| 67 | In situ photoemission characterization of the tunneling barrier in tunneling junctions. Journal of Magnetism and Magnetic Materials, 2007, 310, 1997-1999. | 2.3 | 0 |
| 68 | Photoemission Study of Perovskite-Type Manganites with Stripe Ordering. Journal of Superconductivity and Novel Magnetism, 2007, 20, 543-546. | 1.8 | 0 |
| 69 | Band structure and Fermi surface of $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ thin films studied by in situ angle-resolved photoemission spectroscopy. Physical Review B, 2006, 73, . | 3.2 | 46 |
| 70 | In situ resonant photoemission characterization of $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ layers buried in insulating perovskite oxides. Journal of Applied Physics, 2006, 99, 08S903. | 2.5 | 5 |
| 71 | Temperature-Dependent Soft X-ray Photoemission and Absorption Studies of Charge Disproportionation in $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$. Journal of the Physical Society of Japan, 2006, 75, 054704. | 1.6 | 18 |
| 72 | Photoemission from Buried Interfaces in $\text{SrTiO}_3/\text{LaTiO}_3$ Superlattices. Physical Review Letters, 2006, 97, 057601. | 7.8 | 90 |

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|----|--|-----|-----------|
| 73 | Robust Ti ⁴⁺ states in SrTiO ₃ layers of La _{0.6} Sr _{0.4} MnO ₃ /SrTiO ₃ /La _{0.6} Sr _{0.4} MnO ₃ junctions. Applied Physics Letters, 2006, 88, 192504. | 3.3 | 29 |
| 74 | Strong localization of doped holes in La _{1-x} Sr _x FeO ₃ from angle-resolved photoemission spectra. Physical Review B, 2006, 74, . | 3.2 | 28 |
| 75 | Chemical potential shift and spectral-weight transfer in Pr _{1-x} Ca _x MnO ₃ revealed by photoemission spectroscopy. Physical Review B, 2006, 74, . | 3.2 | 42 |
| 76 | Angle-resolved photoemission spectroscopy of perovskite-type transition-metal oxides and their analyses using tight-binding band structure. Phase Transitions, 2006, 79, 617-635. | 1.3 | 27 |
| 77 | In situ angle-resolved photoemission study on La _{1-x} Sr _x MnO ₃ thin films grown by laser MBE. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 511-514. | 1.7 | 2 |
| 78 | Spectral evidence for inherent "dead layer" formation at La _{1-y} Sr _y FeO ₃ /La _{1-x} Sr _x MnO ₃ heterointerface. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 479-481. | 1.7 | 8 |
| 79 | In situ photoemission study of La _{1-x} Sr _x FeO ₃ epitaxial thin films. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 877-880. | 1.7 | 11 |
| 80 | Sr surface segregation and water cleaning for atomically controlled SrTiO ₃ (001) substrates studied by photoemission spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 443-446. | 1.7 | 12 |
| 81 | Valence changes associated with the metal-insulator transition in Bi _{1-x} La _x NiO ₃ . Physical Review B, 2005, 72, . | 3.2 | 25 |
| 82 | Manifestation of correlation effects in the photoemission spectra of Ca _{1-x} Sr _x RuO ₃ . Physical Review B, 2005, 72, . | 3.2 | 64 |
| 83 | In vacuophotoemission study of atomically controlled La _{1-x} Sr _x MnO ₃ thin films: Composition dependence of the electronic structure. Physical Review B, 2005, 71, . | 3.2 | 99 |
| 84 | Inherent charge transfer layer formation at La _{0.6} Sr _{0.4} FeO ₃ /La _{0.6} Sr _{0.4} MnO ₃ heterointerface. Applied Physics Letters, 2004, 84, 5353-5355. | 3.3 | 43 |