Akira Chikamatsu

List of Publications by Citations

Source: https://exaly.com/author-pdf/7412709/akira-chikamatsu-publications-by-citations.pdf
Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80 papers	1,139 citations	18 h-index	31 g-index
84 ext. papers	1,277 ext. citations	3.8 avg, IF	3.64 L-index

#	Paper	IF	Citations
80	Electronic Band Structure of Transparent Conductor: Nb-Doped Anatase TiO2. *Applied Physics Express*, **2008**, 1, 111203	2.4	122
79	In vacuo photoemission study of atomically controlled La1−xSrxMnO3 thin films: Composition dependence of the electronic structure. *Physical Review B*, **2005**, 71,	3.3	93
78	Photoemission from buried interfaces in SrTiO3/LaTiO3 superlattices. *Physical Review Letters*, **2006**, 97, 057601	7.4	82
77	Manifestation of correlation effects in the photoemission spectra of Ca1−xSrxRuO3. *Physical Review B*, **2005**, 72,	3.3	54
76	Band structure and Fermi surface of La0.6Sr0.4MnO3 thin films studied by in situ angle-resolved photoemission spectroscopy. *Physical Review B*, **2006**, 73,	3.3	46
75	Metallic transport and large anomalous Hall effect at room temperature in ferrimagnetic Mn4N epitaxial thin film. *Applied Physics Letters*, **2014**, 105, 072410	3.4	44
74	Inherent charge transfer layer formation at La0.6Sr0.4FeO3−δ/La0.6Sr0.4MnO3 heterointerface. *Applied Physics Letters*, **2004**, 84, 5353-5355	3.4	43
73	Chemical potential shift and spectral-weight transfer in Pr1−xCaxMnO3 revealed by photoemission spectroscopy. *Physical Review B*, **2006**, 74,	3.3	38
72	Topotactic fluorination of strontium iron oxide thin films using polyvinylidene fluoride. *Journal of Materials Chemistry C*, **2014**, 2, 5350-5356	7.1	32
71	Modified Surface Electronic and Magnetic Properties of La0.6Sr0.4MnO3 Thin Films for Spintronics Applications. *Journal of Physical Chemistry C*, **2011**, 115, 16947-16953	3.8	30
70	Reversible Changes in Resistance of Perovskite Nickelate NdNiO Thin Films Induced by Fluorine Substitution. *ACS Applied Materials & Interfaces*, **2017**, 9, 10882-10887	9.5	29
69	Robust Ti4+ states in SrTiO3 layers of La0.6Sr0.4MnO3/SrTiO3/La0.6Sr0.4MnO3 junctions. *Applied Physics Letters*, **2006**, 88, 192504	3.4	29
68	Gradual disappearance of the Fermi surface near the metal-insulator transition in La1−xSrxMnO3 thin films. *Physical Review B*, **2007**, 76,	3.3	29
67	Strong localization of doped holes in La1−xSrxFeO3 from angle-resolved photoemission spectra. *Physical Review B*, **2006**, 74,	3.3	26
66	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	24
65	Valence changes associated with the metal-insulator transition in Bi1−xLaxNiO3. *Physical Review B*, **2005**, 72,	3.3	24
64	Transport properties and electronic states of anatase Ti1−xWxO2 epitaxial thin films. *Journal of Applied Physics*, **2010**, 107, 023705	2.5	23

63	Topotactic reductive fluorination of strontium cobalt oxide epitaxial thin films. *Journal of Sol-Gel Science and Technology*, **2015**, 73, 527-530	2.3	18
62	Temperature-Dependent Soft X-ray Photoemission and Absorption Studies of Charge Disproportionation in La1-xSrxFeO3. *Journal of the Physical Society of Japan*, **2006**, 75, 054704	1.5	18
61	Carrier compensation mechanism in heavily Nb-doped anatase Ti1−xNbxO2+δepitaxial thin films. *Journal Physics D: Applied Physics*, **2011**, 44, 365404	3	17
60	Topotactic fluorination of perovskite strontium ruthenate thin films using polyvinylidene fluoride. *CrystEngComm*, **2017**, 19, 313-317	3.3	16
59	Carrier Compensation by Excess Oxygen Atoms in Anatase Ti0.94Nb0.06O2+δEpitaxial Thin Films. *Japanese Journal of Applied Physics*, **2010**, 49, 041102	1.4	16
58	In situ photoemission study of Pr1-xCaxMnO3 epitaxial thin films with suppressed charge fluctuations. *Physical Review Letters*, **2008**, 100, 026402	7.4	15
57	Epitaxial growth and electronic structure of oxyhydride SrVO2H thin films. *Journal of Applied Physics*, **2016**, 120, 085305	2.5	15
56	Simple Method to Obtain Large-Size Single-Crystalline Oxide Sheets. *Advanced Functional Materials*, **2020**, 30, 2001236	15.6	14
55	Pressure-induced change in the electronic structure of epitaxially strained La1−xSrxMnO3 thin films. *Physical Review B*, **2009**, 80,	3.3	11
54	In situ photoemission study of La1−xSrxFeO3 epitaxial thin films. *Journal of Electron Spectroscopy and Related Phenomena*, **2005**, 144-147, 877-880	1.7	11
53	Sr surface segregation and water cleaning for atomically controlled SrTiO3 (0 0 1) substrates studied by photoemission spectroscopy. *Journal of Electron Spectroscopy and Related Phenomena*, **2005**, 144-147, 443-446	1.7	11
52	Ferromagnetism with strong magnetocrystalline anisotropy in A-site ordered perovskite YBaCo2O6 epitaxial thin films prepared via wet-chemical topotactic oxidation. *Journal of Materials Chemistry C*, **2018**, 6, 3445-3450	7.1	10
51	Experimental and theoretical investigation of electronic structure of SrFeO3−xFxepitaxial thin films prepared via topotactic reaction. *Applied Physics Express*, **2016**, 9, 025801	2.4	10
50	Photoelectrochemical Behavior of Self-Assembled Ag/Co Plasmonic Nanostructures Capped with TiO2. *Journal of Physical Chemistry Letters*, **2014**, 5, 25-9	6.4	10
49	Effects of Cr substitution on the magnetic and transport properties and electronic states of SrRuO3 epitaxial thin films. *Physical Review B*, **2015**, 92,	3.3	10
48	Topotactic synthesis of strontium cobalt oxyhydride thin film with perovskite structure. *AIP Advances*, **2015**, 5, 107147	1.5	10
47	Formation of defect-fluorite structured NdNiOxHy epitaxial thin films via a soft chemical route from NdNiO3 precursors. *Dalton Transactions*, **2016**, 45, 12114-8	4.3	10
46	Investigation of electronic states of infinite-layer SrFeO2 epitaxial thin films by X-ray photoemission and absorption spectroscopies. *Journal of Electron Spectroscopy and Related Phenomena*, **2012**, 184, 547-550	1.7	9

45	X-ray absorption and magnetic circular dichroism characterization of Fe-doped thin films. *Journal of Magnetism and Magnetic Materials*, **2013**, 333, 130-133	2.8	9
44	Madelung potentials and covalency effect in strained La1−xSrxMnO3 thin films studied by core-level photoemission spectroscopy. *Physical Review B*, **2009**, 80,	3.3	9
43	Carrier Doping into SrFeO2Epitaxial Thin Films by Eu-Substitution. *Applied Physics Express*, **2011**, 4, 013001	2.4	9
42	p-Type Conductivity and Room-Temperature Ferrimagnetism in Spinel MoFe2O4 Epitaxial Thin Film. *Crystal Growth and Design*, **2019**, 19, 902-906	3.5	9
41	Metallic conductivity in infinite-layer strontium iron oxide thin films reduced by calcium hydride. *Journal Physics D: Applied Physics*, **2014**, 47, 135304	3	8
40	Spectral evidence for inherent “dead layer” formation at La1−ySryFeO3/La1−xSrxMnO3 heterointerface. *Journal of Electron Spectroscopy and Related Phenomena*, **2005**, 144-147, 479-481	1.7	8
39	Strain-induced creation and switching of anion vacancy layers in perovskite oxynitrides. *Nature Communications*, **2020**, 11, 5923	17.4	8
38	Magnetic and Transport Properties of Anatase TiO2Codoped with Fe and Nb. *Applied Physics Express*, **2010**, 3, 043001	2.4	6
37	In situ photoemission study of Nd1−xSrxMnO3 epitaxial thin films. *Physical Review B*, **2009**, 79,	3.3	5
36	Systematic Analysis of ARPES Spectra of Transition-Metal Oxides: Nature of EffectivedBand. *Journal of the Physical Society of Japan*, **2009**, 78, 094709	1.5	5
35	In situ resonant photoemission characterization of La0.6Sr0.4MnO3 layers buried in insulating perovskite oxides. *Journal of Applied Physics*, **2006**, 99, 08S903	2.5	5
34	Electronic properties of perovskite strontium chromium oxyfluoride epitaxial thin films fabricated via low-temperature topotactic reaction. *Physical Review Materials*, **2020**, 4,	3.2	5
33	Room-Temperature Antiferroelectricity in Multiferroic Hexagonal Rare-Earth Ferrites. *ACS Applied Materials & Interfaces*, **2021**, 13, 4230-4235	9.5	5
32	Structural Variation in Ag□o Nanostructures Embedded in TiO2 Thin Films Fabricated by Pulsed Laser Deposition. *Chemistry Letters*, **2014**, 43, 225-227	1.7	4
31	Temperature-dependence of the electronic structure of La1− Srx MnO3 thin films studied by in situ photoemission spectroscopy. *Journal of Electron Spectroscopy and Related Phenomena*, **2007**, 156-158, 375-378	1.7	4
30	Strain-enhanced topotactic hydrogen substitution for oxygen in SrTiO3 epitaxial thin film. *Applied Physics Letters*, **2018**, 113, 253104	3.4	4
29	Fabrication of Fluorite-Type Fluoride BaBiF Thin Films by Fluorination of Perovskite BaBiO Precursors with Poly(vinylidene fluoride). *ACS Omega*, **2018**, 3, 13141-13145	3.9	4
28	Spectroscopic and theoretical investigation of the electronic states of layered perovskite oxyfluoride Sr2RuO3F2 thin films. *Physical Review B*, **2018**, 97,	3.3	3

27	Topotactic reductive synthesis ofA-site cation-ordered perovskite YBaCo2Ox(x= 4.5□5.5) epitaxial thin films. *Japanese Journal of Applied Physics*, **2016**, 55, 04EJ05	1.4	3
26	Ionic Order Engineering in Double-Perovskite Cobaltite. *Chemistry of Materials*, **2021**, 33, 5675-5680	9.6	3
25	Improved crystalline quality and electric conductivity in infinite-layer SrFeO2 films through Sm substitution. *Applied Physics Letters*, **2019**, 114, 232906	3.4	2
24	Reactive solid phase epitaxy of layered aurivillius-type oxyfluorides BiTiOF using polyvinylidene fluoride. *Dalton Transactions*, **2019**, 48, 5425-5428	4.3	2
23	Selective fluorination of perovskite iron oxide/ruthenium oxide heterostructures via a topotactic reaction. *Chemical Communications*, **2019**, 55, 2437-2440	5.8	2
22	Enhanced coercivity of half-metallic La0.7Sr0.3MnO3 by Ru substitution under in-plane uniaxial strain. *Journal of Applied Physics*, **2012**, 111, 07B102	2.5	2
21	In situ angle-resolved photoemission study on La1□SrxMnO3 thin films grown by laser MBE. *Journal of Electron Spectroscopy and Related Phenomena*, **2005**, 144-147, 511-514	1.7	2
20	Fluorination and reduction of CaCrO by topochemical methods. *Dalton Transactions*, **2020**, 49, 1997-2003	4.3	2
19	Strain-induced structural transition of rutile type ReO2 epitaxial thin films. *Applied Physics Letters*, **2020**, 117, 111903	3.4	2
18	First-Principles Calculations on the Crystal/Electronic Structure and Phase Stability of H-Doped SrFeO2. *Journal of Physical Chemistry C*, **2017**, 121, 7478-7484	3.8	1
17	Structural and electrical properties of lanthanum copper oxide epitaxial thin films with different domain morphologies. *CrystEngComm*, **2018**, 20, 5012-5016	3.3	1
16	Electronic and transport properties of Eu-substituted infinite-layer strontium ferrite thin films. *Journal of Crystal Growth*, **2013**, 378, 165-167	1.6	1
15	Sr2MgMoO6□thin films fabricated using pulsed-laser deposition with high concentrations of oxygen vacancies. *Applied Physics Letters*, **2014**, 104, 261901	3.4	1
14	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	1.4	1
13	Carrier Compensation Mechanism of Highly Conductive Anatase Ti0.94Nb0.06O2 Epitaxial Thin Films. *Materials Research Society Symposia Proceedings*, **2008**, 1074, 1		1
12	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	3.8	1
11	Investigation of the electronic states of A-site layer-ordered double perovskite YBaCo2Ox (x = 5.3 and 6) thin films by x-ray spectroscopy. *Applied Physics Letters*, **2021**, 118, 012401	3.4	1
10	Epitaxial-Strain-Induced Spontaneous Magnetization in Polar Mn2Mo3O8. *Chemistry of Materials*,	9.6	1

9	Photo-induced antiferromagnetic-ferromagnetic and spin-state transition in a double-perovskite cobalt oxide thin film. *Communications Physics*, **2022**, 5,	5.4	1
8	Influence of fluorination on electronic states and electron transport properties of Sr2IrO4 thin films. *Journal of Materials Chemistry C*, **2020**, 8, 8268-8274	7.1	0
7	Magnetotransport properties of perovskite EuNbO3 single-crystalline thin films. *Applied Physics Letters*, **2018**, 113, 032401	3.4	0
6	Heteroepitaxial Growth of a TaN Thin Film with Clear Anisotropic Optical Properties.. *Journal of Physical Chemistry Letters*, **2021**, 12, 12323-12328	6.4	0
5	In situ angle-resolved photoemission study of half-metallic thin films. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 1030-1032	2.8	
4	In situ photoemission characterization of the tunneling barrier in tunneling junctions. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 1997-1999	2.8	
3	Photoemission Study of Perovskite-Type Manganites with Stripe Ordering. *Journal of Superconductivity and Novel Magnetism*, **2007**, 20, 543-546	1.5	
2	Flux Crystal Growth, Crystal Structure, and Magnetic Properties of a Ternary Chromium Disulfide BaCrS with Unusual CrS Tetramer Units. *ACS Omega*, **2021**, 6, 6842-6847	3.9	
1	Synthesis and magnetism of MoCo2O4 spinel thin films. *Thin Solid Films*, **2021**, 728, 138696	2.2	