

Kohei Yoshimatsu

List of Publications by Year in descending order

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71
papers

1,679
citations

279701

23
h-index

302012

39
g-index

72
all docs

72
docs citations

72
times ranked

2610
citing authors

#	ARTICLE	IF	CITATIONS
1	Dimensional-Crossover-Driven Metal-Insulator Transition in SrVO_3 Ultrathin Films. <i>Physical Review Letters</i> , 2012, 109, 056401.	2.9	171
2	Origin of Metallic States at the Heterointerface between the Band Insulators LaAlO_3 and SrTiO_3 . <i>Physical Review Letters</i> , 2008, 101, 026802.	2.9	146
3	Metallic Quantum Well States in Artificial Structures of Strongly Correlated Oxide. <i>Science</i> , 2011, 333, 319-322.	6.0	125
4	Self-Energy on the Low- to High-Energy Electronic Structure of Correlated Metal SrVO_3 . <i>Physical Review Letters</i> , 2012, 109, 056401.	2.9	62
5	Gradual localization of Ni d states in LaNiO_3 ultrathin films induced by dimensional crossover. <i>Physical Review B</i> , 2013, 87, .	1.1	55
6	Conducting Si-doped $\hat{\Gamma}^3$ - Ga_2O_3 epitaxial films grown by pulsed-laser deposition. <i>Journal of Crystal Growth</i> , 2015, 421, 23-26.	0.7	48
7	Competition between instabilities of Peierls transition and Mott transition in W-doped VO ₂ thin films. <i>Physical Review B</i> , 2011, 84, .	1.1	47
8	Superconductivity in Ti_4O_7 and $\hat{\Gamma}^3$ - Ti_3O_5 films. <i>Scientific Reports</i> , 2017, 7, 12544.	1.6	47
9	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. <i>Applied Physics Letters</i> , 2018, 112, 232103.	1.5	47
10	Thickness-dependent magnetic properties and strain-induced orbital magnetic moment in SrRuO_3 thin films. <i>Physical Review B</i> , 2015, 92, .	1.1	45
11	Oxygen-radical-assisted pulsed-laser deposition of $\hat{\Gamma}^2$ - Ga_2O_3 and $\hat{\Gamma}^2$ - $(\text{Al Ga})_2\text{O}_3$ films. <i>Journal of Crystal Growth</i> , 2015, 424, 77-79.	0.7	45
12	Photoemission and DMFT study of electronic correlations in SrMoO_3 : Effects of Hund's rule coupling and possible plasmonic sideband. <i>Physical Review B</i> , 2014, 90, .	1.1	42
13	Epitaxial structure and electronic property of $\hat{\Gamma}^2$ - Ga_2O_3 films grown on MgO (100) substrates by pulsed-laser deposition. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	40
14	Synthesis and magnetic properties of double-perovskite oxide $\text{La}_{2-x}\text{Mn}_{2x}\text{O}_{7-2x}$ films. <i>Physical Review B</i> , 2015, 91, .	2.1	39
15	Formation of indium-tin oxide ohmic contacts for $\hat{\Gamma}^2$ - Ga_2O_3 . <i>Japanese Journal of Applied Physics</i> , 2016, 55, 1202B7.	0.8	36
16	Microwave Effects on Co^{II} Cocatalysts Deposited on $\hat{\Gamma}^3$ - Fe_2O_3 for Application to Photocatalytic Oxygen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10349-10354.	4.0	36
17	Epitaxial growth and electric properties of $\hat{\Gamma}^3$ - Al_2O_3 (110) films on $\hat{\Gamma}^2$ - Ga_2O_3 (010) substrates. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 1202B6.	0.8	33
18	Magnetic and electronic properties of ordered double-perovskite La_2VMnO_6 thin films. <i>Physical Review B</i> , 2011, 84, .	1.1	28

#	ARTICLE	IF	CITATIONS
19	<p>mission and x-ray absorption studies of the isostructural to Fe-based superconductors diluted magnetic semiconductor</p> $\text{Ba}_{1-x}\text{Fe}_x\text{As}_2$		

#	ARTICLE	IF	CITATIONS
37	Emergence of Quantum Critical Behavior in Metallic Quantum-Well States of Strongly Correlated Oxides. Scientific Reports, 2017, 7, 16621.	1.6	14
38	p-type transparent superconductivity in a layered oxide. Science Advances, 2020, 6, eabb8570.	4.7	14
39	Pressure-induced change in the electronic structure of epitaxially strained $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ films. Physical Review B, 2019, 80, 080407.	1.1	13
40	Spectroscopic studies on the electronic and magnetic states of Co-doped perovskite manganite $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$. Physical Review B, 2019, 80, 080407.	1.1	13
41	Large anisotropy in conductivity of Ti_2O_3 films. APL Materials, 2018, 6, .	2.2	13
42	Epitaxial Stabilization of Complete Solid-solution $\text{Pr}_{2-x}\text{Al}_x\text{Ga}_{1-x}\text{O}_{6-3x}$ (100) Films by Pulsed-laser Deposition. Crystal Growth and Design, 2021, 21, 2844-2849.	1.4	13
43	Determination of the surface and interface phase shifts in metallic quantum well structures of perovskite oxides. Physical Review B, 2013, 88, .	1.1	12
44	Thickness dependence of electronic structures in VO_2 ultrathin films: Suppression of the cooperative Mott-Peierls transition. Physical Review B, 2020, 102, .	1.1	12
45	Metallic ground states of undoped Ti_2O_3 films induced by elongated c-axis lattice constant. Scientific Reports, 2020, 10, 22109.	1.6	12
46	Magnetic and electronic properties of B -site-ordered double-perovskite oxide $\text{La}_2\text{L}_2\text{CrMn}_2\text{O}_{10}$. Physical Review B, 2019, 80, 080407.	1.1	10
47	Epitaxial Synthesis and Electronic Properties of Double-Perovskite $\text{Sr}_2\text{TiRuO}_6$ Films. Applied Physics Express, 2013, 6, 105502.	1.1	8
48	Observation of magnetically hard grain boundaries in double-perovskite $\text{Sr}_2\text{FeMoO}_6$. Europhysics Letters, 2014, 108, 27003.	0.7	8
49	Direct growth of metallic TiH_2 thin films by pulsed laser deposition. Applied Physics Express, 2015, 8, 035801.	1.1	8
50	Direct Synthesis of Metastable β -Phase Ti_3O_5 Films on LaAlO_3 (110) Substrates at High Temperatures. Crystal Growth and Design, 2022, 22, 703-710.	1.4	7
51	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
52	Strain-induced metal-insulator transition in $\text{Sr}_2\text{Ti}_2\text{O}_{10}$ system of perovskite titanate. Physical Review B, 2019, 80, 080407.	1.1	6
53	$\text{Sr}_2\text{Ti}_2\text{O}_{10}$ system of perovskite titanate $\text{Sr}_2\text{Ti}_2\text{O}_{10}$ films studied by <i>in situ</i> photoemission spectroscopy: Screening for a transparent electrode. Physical Review B, 2021, 104, .	1.1	6
54	Resonant tunneling driven metal-insulator transition in double quantum-well structures of strongly correlated oxide. Nature Communications, 2021, 12, 7070.	5.8	6

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55	Chemical stability and transport properties of ultrathin La _{1.2} Sr _{1.8} Mn ₂ O ₇ Ruddlesden-Popper films. Applied Physics Letters, 2009, 95, 152110.	1.5	5
56	High-pressure Study of Superconductivity in Ti ₄ O ₇ Film. Journal of the Physical Society of Japan, 2019, 88, 035001.	0.7	5
57	Epitaxial growth of hexagonal tungsten bronze Cs _x WO ₃ films in superconducting phase region exceeding bulk limit. Applied Physics Express, 2016, 9, 075801.	1.1	4
58	Electronic properties across metal-insulator transition in \hat{I}^2 -pyrochlore-type CsW ₂ O ₆ epitaxial films. Physical Review Materials, 2018, 2, .	0.9	4
59	Heavy-fermion metallic state and Mott transition induced by Li-ion intercalation in LiV ₂ O ₄ epitaxial films. Physical Review B, 2021, 104, .	1.1	4
60	Two-dimensional superconductivity in single-band correlated $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle \text{H} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Nb} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ thin films studied by angle-resolved photoemission spectroscopy. Physical Review B, 2022, 105, .	1.1	4
61	Electronic band structure of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Ti} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ thin films studied by angle-resolved photoemission spectroscopy. Physical Review B, 2022, 105, .	1.1	4
62	Yoshimatsu <i>et al.</i> Reply. Physical Review Letters, 2009, 102, .	2.9	3
63	Optical and structural investigations on titanium oxynitride films for visible-UV photocatalytic applications. Journal of Applied Physics, 2020, 127, .	1.1	3
64	Carrier Compensation Mechanism of Highly Conductive Anatase Ti _{0.94} Nb _{0.06} O ₂ Epitaxial Thin Films. Materials Research Society Symposia Proceedings, 2008, 1074, 1.	0.1	1
65	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
66	Superconducting Dome Underlying Bipolaronic Insulating State in Charge-doped Ti ₄ O ₇ Epitaxial Films. Journal of the Physical Society of Japan, 2021, 90, 023705.	0.7	1
67	Development of Cryocooled YBCO Vector Magnet System with Three-axial Super-high Vacuum Bores. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2013, 48, 233-238.	0.1	1
68	Phase diagram of Ca ^{1-x} Ce ^x MnO ₃ thin films studied by X-ray magnetic circular dichroism. Solid State Communications, 2013, 174, 30-33.	0.9	0
69	Anisotropic Charge Distribution Induced by Spin Polarization in La _{0.6} Sr _{0.4} MnO ₃ Thin Films Studied by X-ray Magnetic Linear Dichroism. Journal of the Physical Society of Japan, 2018, 87, 114713.	0.7	0
70	High Concentration N-Doping into Ga ₂ O ₃ Films by Using Pulsed-Laser Deposition with NO Plasma. , 2019, , .		0
71	Suppression of Parallel Conduction at the Interface in η -Ga ₂ O ₃ Homoepitaxial Layer Using Semi-Insulating Intermediate Layer. , 2019, , .		0