

Masaki Uchida

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

2,808
citations

218592

26
h-index

175177

52
g-index

94
all docs

94
docs citations

94
times ranked

4490
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2016 oxide electronic materials and oxide interfaces roadmap. Journal Physics D: Applied Physics, 2016, 49, 433001. Candidate for the 2D $\text{E}^+ \times \text{E}^+$ excited Hoyle state at $\text{E}^+ \times \text{E}^+$ in SrIrO_3 thin films. Physical Review Letters, 2015, 114, 016401.	1.3	266
2	in SrIrO_3 thin films. Physical Review Letters, 2015, 114, 016401.	1.4	109
3	Semimetallic SrIrO_3 . Physical Review Letters, 2015, 114, 016401.	2.9	189
4	Atomic-scale control of competing electronic phases in ultrathin LaNiO_3 . Nature Nanotechnology, 2014, 9, 443-447.	15.6	183
5	Extremely high electron mobility in a phonon-glass semimetal. Nature Materials, 2013, 12, 512-517.	13.3	174
6	Electric-field control of anomalous and topological Hall effects in oxide bilayer thin films. Nature Communications, 2018, 9, 213.	5.8	152
7	Adsorption-controlled growth of La-doped BaSnO_3 by molecular-beam epitaxy. APL Materials, 2017, 5, .	2.2	131
8	Quantum Hall states observed in thin films of Dirac semimetal Cd_3As_2 . Nature Communications, 2017, 8, 2274.	5.8	130
9	Direct Observation of Electrostatically Driven Band Gap Renormalization in a Degenerate Perovskite Transparent Conducting Oxide. Physical Review Letters, 2016, 116, 027602.	2.9	100
10	Strain Control of Fermiology and Many-Body Interactions in Two-Dimensional Ruthenates. Physical Review Letters, 2016, 116, 197003.	2.9	82
11	MgZnO/ZnO heterostructures with electron mobility exceeding $1 \times 10^6 \text{ cm}^2/\text{Vs}$. Scientific Reports, 2016, 6, 26598.	1.6	71
12	Odd-parity magnetoresistance in pyrochlore iridate thin films with broken time-reversal symmetry. Scientific Reports, 2015, 5, 9711.	1.6	68
13	Growth of superconducting Sr_2RuO_4 thin films. Applied Physics Letters, 2010, 97, .	1.5	63
14	Topological Hall effect in thin films of the Heisenberg ferromagnet EuO . Physical Review B, 2015, 91, .	1.1	63
15	Pseudogap of Metallic Layered Nickelate NiO .		

#	ARTICLE	IF	CITATIONS
19	<p>Change Dynamics in Thermally and Doping Induced Insulator-Metal Transitions of $\text{La}_{1-x}\text{O}_x\text{Ti}$</p> <p>$\text{La}_{1-x}\text{O}_x\text{Ti}$ Physical Review Letters, 2008, 101, 066406.</p>		35
20	<p>Evolution of Insulator-Metal Phase Transitions in Epitaxial Tungsten Oxide Films during Electrolyte-Gating. ACS Applied Materials & Interfaces, 2016, 8, 22330-22336.</p> <p>Case study of $\text{La}_{1-x}\text{O}_x\text{Ti}$</p>	4.0	32
21	<p>Correlated vs. conventional insulating behavior in the $\text{La}_{1-x}\text{O}_x\text{Ti}$</p>		31
22	<p>in the layered iridate $\text{La}_{1-x}\text{O}_x\text{Ti}$ Physical Review B, 2015, 91, 040407.</p>		31
23	<p>$\text{La}_{1-x}\text{O}_x\text{Ti}$</p>		31

#	ARTICLE	IF	CITATIONS
37	Cluster states in 13C. Modern Physics Letters A, 2006, 21, 2393-2401.	0.5	17
38	Formation and Observation of a Quasi-Two-Dimensional Liquid in Epitaxially Stabilized $\text{Sr}_{2-x}\text{Ca}_x\text{IrO}_6$ Physical Review Letters, 2015, 115, 096405.	2.9	16
39	Field-direction control of the type of charge carriers in nonsymmorphic IrO_2 Physical Review B, 2015, 91, .	1.4	16
40	A tunable low-energy photon source for high-resolution angle-resolved photoemission spectroscopy. Review of Scientific Instruments, 2012, 83, 113103.	0.6	15
41	Controlling surface carrier density by illumination in the transparent conductor La-doped BaSnO ₃ . Applied Physics Letters, 2018, 112, .	1.5	14
42	Pseudogap-related charge dynamics in the layered nickelate $\text{R}_{2-x}\text{Ca}_x\text{NiO}_2$ Physical Review B, 2016, 93, .	1.1	12
43	Magnetic properties of spin frustrated spinel ZnFe ₂ O ₄ /ZnCr ₂ O ₄ superlattices. Journal of Applied Physics, 2015, 118, 193901.	1.1	12
44	Effective carrier doping and metallization in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_2$ Physical Review B, 2016, 93, .	1.4	12
45	All-in-all-out magnetic domain inversion in $\text{Tb}_{2-x}\text{Ca}_x\text{MnO}_7$ with molecular fields antiparallel to external fields. Physical Review Materials, 2018, 2, .	0.9	12
46	Nuclear moments of neutron-rich aluminum isotopes. European Physical Journal: Special Topics, 2007, 150, 185-186.	1.2	11
47	Nuclear spin maser and experimental search for ¹²⁹ Xe atomic EDM. Hyperfine Interactions, 2013, 220, 59-63.	0.2	11
48	Intrinsic coupling between spatially-separated surface Fermi-arcs in Weyl orbit quantum Hall states. Nature Communications, 2021, 12, 2572.	5.8	11
49	Formation of patterns from complex networks. Journal of Visualization, 2007, 10, 253-255.	1.1	10
50	Orbital characters of three-dimensional Fermi surfaces in Eu ₂ ^x Sr _x NiO ₄ as probed by soft-x-ray angle-resolved photoemission spectroscopy. Physical Review B, 2011, 84, .	1.1	10
51	Enhancement of spin-orbit coupling in Dirac semimetal $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ Spin correlation parameter $\text{C}_{1-x}\text{Mn}_x\text{Te}$	1.1	9
52	Anomalous enhancement of upper critical field in $\text{Sr}_{2-x}\text{Ca}_x\text{IrO}_6$ thin films. Physical Review B, 2019, 99, .	1.1	9
53	Anomalous enhancement of upper critical field in $\text{Sr}_{2-x}\text{Ca}_x\text{IrO}_6$ thin films. Physical Review B, 2019, 99, .	1.1	9
54	Ferroelectric field control of charge density in oxide films with polarization reversal by electric double layer. Applied Physics Letters, 2018, 113, .	1.5	8

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55	gap formation in the insulating states of $A_2V_2O_7$. Applied Physics Letters, 2018, 112, .	1.1	7
56	Electrical conduction on the surface of ferroelectric PbTiO ₃ thin film induced by electrolyte gating. Applied Physics Letters, 2018, 112, .	1.5	7
57	Search for Alpha Inelastic Condensed State in 24Mg. Few-Body Systems, 2013, 54, 93-97.	0.7	6
58	Ballistic transport in periodically modulated MgZnO/ZnO two-dimensional electron systems. Applied Physics Letters, 2019, 115, 153101.	1.5	6
59	Above-ordering-temperature large anomalous Hall effect in a triangular-lattice magnetic semiconductor. Science Advances, 2021, 7, eabl5381.	4.7	6
60	Visualizing ferroic domains in an all-in/all-out antiferromagnet thin film. Physical Review B, 2017, 96, .	1.1	5
61	Signatures of charge-order correlations in transport properties of electron-doped cuprate superconductors. Physical Review B, 2018, 98, .	1.1	5
62	Differential Cross Section and Photon-Beam Asymmetry for the $^3\text{He}(\text{p}, \text{n})^3\text{He}^+(1232)$ Reaction at Forward Angles for $E_p = 1.5$ to 2.95 GeV. Physical Review Letters, 2018, 120, 202004.	2.9	5
63	Electric quadrupole moments of neutron-rich nuclei ^{32}Al and ^{31}Al . Hyperfine Interactions, 2007, 180, 61-64.	0.2	4
64	Maximizing intrinsic anomalous Hall effect by controlling the Fermi level in simple Weyl semimetal films. Physical Review B, 2022, 105, .	1.1	4
65	Optical-coupling nuclear spin maser under highly stabilized low static field. Hyperfine Interactions, 2008, 181, 111-114.	0.2	3
66	ISOSPIN SYMMETRY OF $T_{z \rightarrow z} = \hat{A}_{\pm 3/2} \hat{A}_{\pm 1/2}$ GAMOW-TELLER TRANSITIONS IN $A = 37$ AND $A = 41$ NUCLEI. Modern Physics Letters A, 2010, 25, 1976-1979.	0.5	3
67	Band alignment and photovoltaic effect of epitaxial In_2PbO thin films. Applied Physics Express, 2015, 8, 074001.	1.1	3
68	Characterization of Sr_2RuO_4 Josephson junctions made of epitaxial films. Physical Review B, 2020, 101, .	2.1	3
69	Molecular beam deposition of a new layered pnictide with distorted Sb square nets. APL Materials, 2021, 9, 051107.	2.2	3
70	$2\text{In} + \text{t}$ cluster state in ^{11}B . Modern Physics Letters A, 2006, 21, 2383-2392.	0.5	2
71	STUDY OF NEUTRON-RICH NUCLEI THROUGH STATIC ELECTROMAGNETIC MOMENTS. International Journal of Modern Physics E, 2009, 18, 2020-2024.	0.4	2
72	Recent Results on Hadron Spectroscopy at Belle. Few-Body Systems, 2013, 54, 947-953.	0.7	2

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73	Calibration and control of in-plane Mg doping distribution in $Mg_xZn_{1-x}O/ZnO$ heterostructures grown by molecular beam epitaxy. Japanese Journal of Applied Physics, 2015, 54, 028004.	0.8	2
74	Epitaxially Stabilized Oxide Composed of Twisted Triangular-Lattice Layers. Chemistry of Materials, 2016, 28, 1165-1169.	3.2	2
75	Alloy disorder modulated electron transport at $Mg_xZn_{1-x}O/ZnO$ heterointerface. AIP Advances, 2017, 7, 015029.	0.6	2
76	Nuclear Spin Maser at Highly Stabilized Low Magnetic Field and Search for Atomic EDM. , 2009, , .		1
77	Large magnetoresistance and spin-polarized heavy-mass electron state of the doped valence-bond solid $(Ti_{1-x}V_x)_{2}O_3$. Physical Review B, 2011, 83, 040407.	1.1	1
78	Spin and charge states of Co in half-doped layered cobaltates $La_{1-x}Ca_xCoO_3$. Physical Review B, 2011, 83, 040407.	1.1	1
79	Time-of-Propagation Counter for the LEPS. IEEE Transactions on Nuclear Science, 2014, 61, 2601-2607.	1.2	1
80	Quantum transport observed in films of the magnetic topological semimetal $EuSb_2$. Physical Review B, 2021, 103, .	1.1	1
81	Search for α condensed states in ^{13}C using α inelastic scattering. Progress of Theoretical and Experimental Physics, 2021, 2021, .	1.8	1
82	Measurement of nuclear moments at RIKEN. AIP Conference Proceedings, 2007, , .	0.3	0
83	Nuclear-moment measurements at RIKEN and perspectives in RIBF. AIP Conference Proceedings, 2007, , .	0.3	0
84	Nuclear moment measurements of Neutron-rich Aluminum Isotopes Using Spin-polarized RI beams: Determination of the Boundary of the α Island of Inversion. AIP Conference Proceedings, 2007, , .	0.3	0
85	Search for an Atomic EDM with Optical-Coupling Nuclear Spin Oscillator. AIP Conference Proceedings, 2007, , .	0.3	0
86	Measurement of Electric Quadrupole Moments for ^{31}Al Using Spin Polarized RI Beams. AIP Conference Proceedings, 2007, , .	0.3	0
87	Alpha inelastic scattering and cluster structures in ^{24}Mg . , 2011, , .		0
88	Pioneering the reproducible growth of superconducting ruthenate films to develop usable materials for the future of topological quantum computing. Impact, 2018, 2018, 12-14.	0.0	0
89	LOW-FREQUENCY NUCLEAR SPIN MASER AND SEARCH FOR ATOMIC EDM OF ^{129}Xe . , 2005, , .		0
90	PRODUCTION OF SPIN-ORIENTED UNSTABLE NUCLEI VIA THE PROJECTILE-FRAGMENTATION REACTION. , 2007, , .		0

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91	Charge Dynamics in Layered Nickelates with Charge-Ordering Instability. Springer Theses, 2013, , 65-99.	0.0	0
92	Charge Dynamics in a Doped Valence-Bond Solid System. Springer Theses, 2013, , 43-63.	0.0	0