

Tsuyoshi Kimura

List of Publications by Year in descending order

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132
papers

10,829
citations

117453

34
h-index

30010

103
g-index

138
all docs

138
docs citations

138
times ranked

8040
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualizing rotation and reversal of the Néel vector through antiferromagnetic trichroism. Nature Communications, 2022, 13, 697.	5.8	10
2	Optical excitation of electromagnons in hexaferrite. Physical Review Research, 2022, 4, .	1.3	4
3	Switching Crystallographic Chirality in Ba(TiO)Cu ₄ (PO ₄) ₄ by Laser Irradiation. Journal of Physical Chemistry Letters, 2022, 13, 3857-3862.	2.1	2
4	Ferroelectric Transition of a Chiral Molecular Crystal BINOL TM 2DMSO. Journal of the Physical Society of Japan, 2022, 91, .	0.7	2
5	Spin dynamics in the square-lattice cupola system $\text{BaTiO}_3\text{Cu}_4(\text{PO}_4)_4$. Physical Review B, 2022, 105, .		
6	Improved room-temperature magnetoelectric effect and crystal structure in polycrystalline BaSrCo ₂ Fe ₁₁ AlO ₂₂ . Applied Physics Letters, 2021, 118, .	1.5	7
7	Observation of Ferrochiral Transition Induced by an Antiferroaxial Ordering of Antipolar Structural Units in Ba(TiO)Cu ₄ (PO ₄) ₄ . Journal of the American Chemical Society, 2021, 143, 3638-3646.	6.6	6
8	Crystal-chirality-dependent control of magnetic domains in a time-reversal-broken antiferromagnet. Npj Quantum Materials, 2021, 6, .	1.8	13
9	Chirality and magnetic quadrupole order in Pb(TiO)Cu ₄ (PO ₄) ₄ probed by interference scattering in resonant x-ray diffraction. Physical Review B, 2021, 103, .	1.1	2
10	Potential room-temperature multiferroicity in cupric oxide under high pressure. Physical Review B, 2021, 103, .	1.1	7
11	Coexistence of Magnetoelectric and Antiferroelectric-like Orders in Mn ₃ Ta ₂ O ₈ . Inorganic Chemistry, 2021, 60, 15078-15084.	1.9	1
12	Femtometer atomic displacement, the root cause for multiferroic behavior of CuO unearthed through polarized Raman spectroscopy. Journal of Physics Condensed Matter, 2021, 33, 12LT01.	0.7	4
13	Nonreciprocal Directional Dichroism in a Magnetic-Field-Induced Ferroelectric Phase of Pb(TiO)Cu ₄ (PO ₄) ₄ . Journal of the Physical Society of Japan, 2021, 90, .	0.7	3
14	Nonreciprocal linear dichroism observed in electron spin resonance spectra of the magnetoelectric multiferroic $\text{PbTiO}_3\text{Cu}_4(\text{PO}_4)_4$. Physical Review Research, 2021, 3, .	1.3	3
15	Barium hexaferrite/muscovite heteroepitaxy with mechanically robust perpendicular magnetic anisotropy. Npj Flexible Electronics, 2021, 5, .	5.1	4
16	Phase transition and domain formation in ferroaxial crystals. Physical Review Materials, 2021, 5, .	0.9	17
17	Imaging switchable magnetoelectric quadrupole domains via nonreciprocal linear dichroism. Communications Materials, 2020, 1, .	2.9	25
18	Synthesis, Structure, and Anomalous Magnetic Ordering of the Spin-1/2 Coupled Square Tetramer System K(NbO)Cu ₄ (PO ₄) ₄ . Inorganic Chemistry, 2020, 59, 10986-10995.	1.9	5

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19	Capacitive detection of magnetostriction, dielectric constant, and magneto-caloric effects in pulsed magnetic fields. Review of Scientific Instruments, 2020, 91, 105103.	0.6	15
20	Domain switching and exchange bias control by electric field in the multiferroic conical magnet $M_n\text{Ge}_2\text{O}_4$. Physical Review B, 2020, 102, .	1.1	8
21	Visualization of ferroaxial domains in an order-disorder type ferroaxial crystal. Nature Communications, 2020, 11, 4582.	5.8	38
22	Local electric-field control of multiferroic spin-spiral domains in TbMnO ₃ . Npj Quantum Materials, 2020, 5, .	1.8	10
23	Direct Evidence of Simultaneous Reversal of Ferrimagnetically Coupled Sm 4f and Mn 3d Angular Momenta in SmMnO ₃ . Journal of the Korean Physical Society, 2020, 76, 904-910.	0.3	1
24	Magnetic structure of the square cupola compound Ba(TiO) Cu ₄ (PO ₄) ₄ . Physical Review B, 2020, 101, .	1.1	3
25	Broad spectral tuning of ultra-low-loss polaritons in a van der Waals crystal by intercalation. Nature Materials, 2020, 19, 964-968.	13.3	129
26	Emergent spin-1 Haldane gap and ferroelectricity in a frustrated spin-ladder. Physical Review B, 2020, 101, .	1.4	4
27	Multiple magnetic order parameters coexisting in multiferroic hexaferrites resolved by soft x rays. Journal of Applied Physics, 2020, 128, .	1.1	2
28	Magnetolectric Behaviors in Magnetic-Field-Induced Phases of Pb(TiO)Cu ₄ (PO ₄) ₄ . Journal of the Physical Society of Japan, 2019, 88, 093707.	0.7	8
29	Insights into magnetolectric coupling mechanism of the room-temperature multiferroic Sr ₃ Co ₂ Fe ₂₄ O ₄₁ from domain observation. Physical Review B, 2019, 100, .	1.1	8
30	Magnetolectric behavior from cluster multipoles in square cupolas: Study of Sr ₃ Co ₂ Fe ₂₄ O ₄₁ in comparison with Ba and Pb isostr. Physical Review B, 2019, 99, .		
31	Electric field control of magnetolectric quadrupole order in Sr ₃ Co ₂ Fe ₂₄ O ₄₁ . Physical Review B, 2018, 97, .	1.1	21
32	Soft x-ray resonant diffraction study of magnetic structure in magnetolectric Y-type hexaferrite. Physica B: Condensed Matter, 2018, 536, 118-121.	1.3	10
33	Measuring Magnetically-Tuned Ferroelectric Polarization in Liquid Crystals. Journal of Visualized Experiments, 2018, , .	0.2	0
34	Observation of collinear antiferromagnetic domains making use of the circular dichroic charge-magnetic interference effect of resonant x-ray diffraction. Physical Review B, 2018, 98, .	1.1	9
35	Spatial coherence of the insulating phase in quasi-two-dimensional LaNiO ₃ films. Physical Review B, 2018, 98, .	1.1	10
36	Magnetolectric inversion of domain patterns. Nature, 2018, 560, 466-470.	13.7	32

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55	Microscopic Observation of Degradation of LaNiO_3 Ultrathin Films Caused by Air Exposure. E-Journal of Surface Science and Nanotechnology, 2016, 14, 14-16.	0.1	2
56	A^{2+} Cation Control of Chiral Domain Formation in $\text{A}(\text{TiO})\text{Cu}_4(\text{PO})_4$ ($\text{A} = \text{Ba}, \text{Sr}$). Inorganic Chemistry, 2016, 55, 1002-1004.	1.9	26
57	Magnetoelectric Glass Nature in Magnetoplumbite-Type $\text{BaCo}_6\text{Ti}_6\text{O}_{19}$. Journal of the Physical Society of Japan, 2016, 85, 033707.	0.7	5
58	Effect of High-Pressure Oxygen Annealing on Electrical and Magnetoelectric Properties of $\text{BaSrCo}_2\text{Fe}_{11}\text{AlO}_{22}$ Ceramics. Journal of the American Ceramic Society, 2015, 98, 2104-2111.	1.9	27
59	Magnetoelectric domain control in multiferroic TbMnO_3 . Science, 2015, 348, 1112-1115.	6.0	107
60	Magnetoelectricity in the Structurally Chiral and Polar Antiferromagnet NaCoPO_4 . Journal of the Physical Society of Japan, 2015, 84, 033705.	0.7	2
61	Multiferroicity in orthorhombic RMnO_3 ($\text{R} = \text{Dy}, \text{Tb}$, and Gd) under high pressure. Physical Review B, 2015, 91, .	1.1	48
62	Simultaneous Measurements of Dielectric Properties and AC Calorimetry under High Pressure with Using Diamond Anvil Cell. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2015, 25, 298-307.	0.1	0
63	Si Doping Effect on the Structure of Multiferroic $\text{Mn}_2\text{Ge}^{\sim}$ Si_xO_4 . , 2014, , .		0
64	Observation of quadrupole helix chirality and its domain structure in $\text{DyFe}_3(\text{BO}_3)_4$. Nature Materials, 2014, 13, 611-618.	13.3	37
65	Large surface relaxation in the organic semiconductor tetracene. Nature Communications, 2014, 5, 5400.	5.8	43
66	Low-Temperature High-Resolution Solid-State (cryoMAS) NMR of Han Purple $\text{BaCuSi}_2\text{O}_6$. Applied Magnetic Resonance, 2014, 45, 1253-1260.	0.6	7
67	Mutual control of magnetization and electrical polarization by electric and magnetic fields at room temperature in Y-type $\text{BaSrCo}_2\text{ZnFe}_{11}\text{AlO}_{22}$ ceramics. Applied Physics Letters, 2014, 104, .	1.5	80
68	Multilevel magnetization switching by electric field in c -axis oriented polycrystalline Z-type hexaferrite. Applied Physics Letters, 2013, 103, .	1.5	48
69	First-order ferroelastic transition in a magnetoelectric multiferroic: CuCrO_2 . Physical Review B, 2013, 88, .	1.1	15
70	Refinement of Crystal Structure of a Magnetoelectric U-Type Hexaferrite $\text{Sr}_4\text{Co}_2\text{Fe}_{36}\text{O}_{60}$. Journal of the Physical Society of Japan, 2013, 82, 025003.	0.7	13
71	Pressure effects on the magnetoelectric properties of a multiferroic triangular-lattice antiferromagnet CuCrO_2 . Physical Review B, 2013, 87, .	1.1	31
72	Magnetic field induced ferroelectric transition of quasi one-dimensional frustrated quantum spin chain system $\text{Rb}_2\text{Cu}_2\text{Mo}_3\text{O}_{12}$. Journal of Applied Physics, 2013, 113, 17D910.	1.1	15

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73	Valence ordering in the intermediate-valence magnet YbPd. Physical Review B, 2013, 88, .	1.1	19
74	Interplay between Charge and Magnetic Orderings in YbPd. Journal of the Physical Society of Japan, 2013, 82, 084706.	0.7	9
75	Structural investigation of magnetocapacitive SmMnO_3 . Journal of the Ceramic Society of Japan, 2013, 121, 265-267.	0.5	7
76	Multiferroicity on the Zigzag-Chain Antiferromagnet MnWO_4 in High Magnetic Fields. Journal of the Physical Society of Japan, 2012, 81, 054705.	0.7	24
77	External electric field dependence of the structure of the electric double layer at an ionic liquid/Au interface. Applied Physics Letters, 2012, 101, 053122.	1.5	66
78	Soft- and Hard-X-ray Photoemission Spectroscopy of $\text{La}_{2-2x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$. Journal of the Physical Society of Japan, 2012, 81, SB069.	0.7	1
79	Dielectric and AC-Calorimetry Measurements of SmMnO_3 under High Pressure. Journal of the Physical Society of Japan, 2012, 81, SB036.	0.7	13
80	Second Harmonic Generation Spectroscopy and Domain Imaging of the High-Temperature Multiferroic CuO . Journal of the Physical Society of Japan, 2012, 81, 124714.	0.7	7
81	Lattice distortion accompanied by magnetization reversal in A-type antiferromagnetic manganites. Physical Review B, 2012, 85, .	1.1	7
82	High-Magnetic-Field Effect on Interplay between Sm^{4f} and Mn^{3d} Moments in SmMnO_3 . Journal of the Physical Society of Japan, 2012, 81, 013703.	0.7	5
83	Spin dynamics in the multiferroic materials (invited). Journal of Applied Physics, 2012, 111, 07E137.	1.1	4
84	Magnetoelectric Hexaferrites. Annual Review of Condensed Matter Physics, 2012, 3, 93-110.	5.2	311
85	Coupling of Magnetic and Ferroelectric Hysteresis by a Multicomponent Magnetic Structure in Mn_2GeO_4 . Physical Review Letters, 2012, 108, 077204.	2.9	42
86	Magnetism and magnetoelectricity of a U-type hexaferrite $\text{Sr}_4\text{Co}_2\text{Fe}_{36}\text{O}_{60}$. Applied Physics Letters, 2011, 98, .	1.5	90
87	Magnetic and magnetoelectric properties of $\text{Ba}_{2-x}\text{Sr}_x\text{Ni}_2\text{Fe}_{12}\text{O}_{22}$ single crystals with Y-type hexaferrite structure. Journal of Applied Physics, 2011, 110, .	1.1	50
88	Magnetic-field induced broadband THz absorption change in a multiferroic hexaferrite at room temperature. , 2011, , .		2
89	Magnetic Ordering in Relation to the Room-Temperature Magnetoelectric Effect of $\text{Ba}_2\text{Co}_2\text{Fe}_{12}\text{O}_{22}$ Spin-Chairal Domains in $\text{Ba}_2\text{Co}_2\text{Fe}_{12}\text{O}_{22}$. Physical Review Letters, 2011, 107, 077204.	2.9	42
90	Spin-Chairal Domains in $\text{Ba}_2\text{Co}_2\text{Fe}_{12}\text{O}_{22}$. Physical Review Letters, 2011, 107, 077204.	1.1	29

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91	Interface structure of the rubrene crystal field effect transistor. Journal of Applied Physics, 2011, 110, .	1.1	2
92	Interfacial Structure of Manganite Superlattice. Journal of the Physical Society of Japan, 2011, 80, 073601.	0.7	6
93	Magnetocapacitive effects in the $\text{Na}_x\text{Ce}_y\text{N}$ -type ferrimagnet SmMnO_3 . Physical Review B, 2010, 82, .	1.1	45
94	Low-field magnetoelectric effect at room temperature. Nature Materials, 2010, 9, 797-802.	13.3	481
95	Domain rearrangement and spin-spiral-plane flop as sources of magnetoelectric effects in delafossite CuCrO_2 . Physical Review B, 2010, 81, .	1.1	38
96	Multiferroic phase of doped delafossite CuFeO_2 using inelastic neutron scattering. Physical Review B, 2010, 82, .	1.1	48
97	Detecting charge and lattice dynamics in photoinduced charge-order melting in perovskite-type manganites using a 30-femtosecond time resolution. Physical Review B, 2009, 79, .	1.1	34
98	Lattice Distortion Coupled with Magnetic Ordering in a Triangular Lattice Antiferromagnet CuCrO_2 . Journal of the Physical Society of Japan, 2009, 78, 113710.	0.7	50
99	Cupric oxide as an induced-multiferroic with high-TC. Nature Materials, 2008, 7, 291-294.	13.3	453
100	Detection of Coherent Magnons via Ultrafast Pump-Probe Reflectance Spectroscopy in Multiferroic $\text{Ba}_{0.6}\text{Bi}_2\text{O}_{22}$. Physical Review Letters, 2008, 101, 097603.	2.9	29
101	Magnetoelectric control of spin-chiral ferroelectric domains in a triangular lattice antiferromagnet. Physical Review B, 2008, 78, .	1.1	127
102	Limitations on the extent of off-center displacements in TbMnO_3 from EXAFS measurements. Physical Review B, 2007, 76, .	1.1	6
103	Spiral Magnets as Magnetoelectrics. Annual Review of Materials Research, 2007, 37, 387-413.	4.3	409
104	Microscopy of magnetic transition in a layered manganite $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ ($x=0.32$). Physical Review B, 2005, 71, .	1.1	12
105	Electric Polarization Rotation in a Hexaferrite with Long-Wavelength Magnetic Structures. Physical Review Letters, 2005, 94, 137201.	2.9	386
106	Structural and magnetoelectric properties of $\text{Ga}_2\text{Fe}_x\text{O}_3$ single crystals grown by a floating-zone method. Physical Review B, 2004, 70, .	1.1	250
107	Technique for bulk Fermiology by photoemission applied to layered ruthenates. Physical Review B, 2004, 70, .	1.1	75
108	MOVPE growth and characterization of high-N content InGaPN alloy lattice-matched to GaP. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 2773-2777.	0.8	11

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109	Magnetic control of ferroelectric polarization. <i>Nature</i> , 2003, 426, 55-58.	13.7	4,204
110	Distorted perovskite with gl configuration as a frustrated spin system. <i>Physical Review B</i> , 2003, 68, .	1.1	504
111	Magnetocapacitance effect in multiferroic BiMnO_3 . <i>Physical Review B</i> , 2003, 67, .	1.1	907
112	Possible presence of a charge-orbital density wave in layered manganites $\text{Nd}_{1-x}\text{Ca}_x\text{MnO}_4$. <i>Physical Review B</i> , 2003, 68, .	1.1	18
113	Electric-field switching of orbital order in layered manganites. <i>Applied Physics Letters</i> , 2003, 83, 3329-3331.	1.5	24
114	Optical probe of orbital ordering in heavily hole-doped manganites $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$ ($x=0.55$ and 0.7). <i>Physical Review B</i> , 2003, 67, .	1.1	21
115	Surface lattice dynamics of layered transition metal oxides: Sr_2RuO_4 and $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$. <i>Physical Review B</i> , 2003, 67, .	1.1	10
116	Resonant photoemission spectroscopy study of impurity-induced melting in Cr- and Ru-doped $\text{Nd}_{1/2}\text{A}_{1/2}\text{MnO}_3$ ($A=\text{Ca}, \text{Sr}$). <i>Physical Review B</i> , 2003, 68, .	1.1	20
117	Resonant X-ray Study on the Bi-Layered Perovskite Mn Oxide $\text{LaSr}_2\text{Mn}_2\text{O}_7$. <i>Journal of the Physical Society of Japan</i> , 2003, 72, 618-626.	0.7	7
118	Transversely modulated crystal structure of charge-orbital ordered manganites $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_4$ ($x=2/3, 3/4$). <i>Physical Review B</i> , 2002, 65, .	1.1	28
119	Photo-Induced Dynamics of Charge/Orbital Order in Perovskite Manganite $\text{Nd}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 2380-2383.	0.7	31
120	Experimental quest for orbital waves. <i>Nature</i> , 2002, 418, 40-40.	13.7	24
121	Dynamics of photoinduced melting of charge/orbital order in a layered manganite $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$. <i>Physical Review B</i> , 2001, 63, .	1.1	79
122	Orbital and Charge Ordering in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_4$ ($0.4 \leq x \leq 0.5$). <i>Journal of the Physical Society of Japan</i> , 2001, 70, 1194-1197.	0.7	24
123	Anisotropic magnetic domain structure of layered manganite $\text{La}_{1.4}\text{Sr}_{1.6}\text{Mn}_2\text{O}_7$. <i>Applied Physics Letters</i> , 2001, 78, 2023-2025.	1.5	2
124	Charge-orbital ordering and ferromagnetic chains in single-layered manganite crystals. <i>Physical Review B</i> , 2001, 65, .	1.1	45
125	Strain-stabilized charge ordering and magnetorelaxor behaviors in Cr-doped $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ epitaxial thin films. <i>Applied Physics Letters</i> , 2001, 78, 3505-3507.	1.5	38
126	Directional Ordering and Collective Fluctuation of Orbital in a Colossal Magnetoresistive Manganite. <i>Journal of the Physical Society of Japan</i> , 2000, 69, 2403-2406.	0.7	26

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127	Photoluminescence of perovskite lanthanum aluminate single crystals. Journal of Applied Physics, 2000, 88, 1175-1177.	1.1	25
128	Photoluminescence of perovskite lanthanum aluminate single crystals. Journal of Applied Physics, 2000, 87, 7594-7596.	1.1	26
129	Layered Magnetic Manganites. Annual Review of Materials Research, 2000, 30, 451-474.	5.5	177
130	Role of Arsenic Hexagonal growth-suppression on a Cubic GaNAs Growth using Metalorganic Chemical Vapor Deposition. MRS Internet Journal of Nitride Semiconductor Research, 2000, 5, 223-229.	1.0	1
131	Role of Arsenic Hexagonal Growth-Suppression on a Cubic GaNAs Growth Using Metalorganic Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 1999, 595, 1.	0.1	0
132	Chirality-Dependent Magnetoelectric Responses in a Magnetic-Field-Induced Ferroelectric Phase of $\text{Pb}(\text{TiO})\text{Cu}_4(\text{PO}_4)_4$. Advanced Electronic Materials, 0, , 2200167.	2.6	0