

Tadahiko Ishikawa

List of Publications by Year in descending order

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96
papers

6,392
citations

172457

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docs citations

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times ranked

4838
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges for developing photo-induced phase transition (PIPT) systems: From classical (incoherent) to quantum (coherent) control of PIPT dynamics. <i>Physics Reports</i> , 2022, 942, 1-61.	25.6	26
2	Generation of sub-100Åfs electron pulses for time-resolved electron diffraction using a direct synchronization method. <i>Review of Scientific Instruments</i> , 2022, 93, .	1.3	7
3	Photoexcited State and Ultrafast Dynamics in Spin-Crossover Cobalt Oxides. <i>Springer Series in Materials Science</i> , 2021, , 103-122.	0.6	0
4	Picosecond dynamics in layered cobalt perovskites studied by time-resolved Raman Spectroscopy. <i>Comptes Rendus Physique</i> , 2021, 22, 95-102.	0.9	0
5	Photoinduced oxygen transport in cobalt double-perovskite crystal EuBaCo2O5.39. <i>Applied Materials Today</i> , 2021, 24, 101167.	4.3	3
6	Ultrafast Nonlinear Spectroscopy in (111) Oriented Bismuth Ferrite Oxide. <i>Journal of the Physical Society of Japan</i> , 2020, 89, 063401.	1.6	1
7	Ultrafast photocontrol of proton-mediated organic ferroelectric cocrystal. <i>Journal of Physics: Conference Series</i> , 2019, 1220, 012012.	0.4	1
8	Ultrafast isomerization-induced cooperative motions to higher molecular orientation in smectic liquid-crystalline azobenzene molecules. <i>Nature Communications</i> , 2019, 10, 4159.	12.8	41
9	Optical Study of Electronic Structure and Photoinduced Dynamics in the Organic Alloy System [(EDO-TTF)0.89(MeEDO-TTF)0.11]2PF6. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1174.	2.5	2
10	Ultrafast Control of Ferroelectricity with Dynamical Repositioning of Protons in a Supramolecular Cocrystal Studied by Femtosecond Nonlinear Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 013705.	1.6	12
11	The photoinduced dynamics of X[M(dmit)2]2salts. <i>Physica Scripta</i> , 2017, 92, 034005.	2.5	0
12	Ultrafast Control of the Polarity of BiCoO_3 by Orbital Excitation as Investigated by Femtosecond Spectroscopy. <i>Physical Review Applied</i> , 2017, 7, .	1.6	11
13	Bandgap modulation in photoexcited topological insulator Bi2Te3 via atomic displacements. <i>Journal of Chemical Physics</i> , 2016, 145, 024504.	3.0	20
14	Direct observations of the photoinduced change in dimerization in K-TCNQ. <i>Physical Review B</i> , 2016, 93, .	3.2	4
15	Local response to light excitation in the charge-ordered phase of F_6C_{60} . <i>Physical Review B</i> , 2015, 92, .	3.2	11
16	Direct observation of collective modes coupled to molecular orbital-driven charge transfer. <i>Science</i> , 2015, 350, 1501-1505.	12.6	114
17	Ultrafast electronic state conversion at room temperature utilizing hidden state in cuprate ladder system. <i>Nature Communications</i> , 2015, 6, 8519.	12.8	19
18	Different Time-Scale Relaxation Dynamics in Organic Supramolecular Ferroelectrics Studied by Linear and Nonlinear Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 073707.	1.6	8

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19	Coherent dynamics of photoinduced phase formation in a strongly correlated organic crystal. <i>Physical Review B</i> , 2014, 89, .	3.2	19
20	Time-Resolved Infrared Vibrational Spectroscopy of the Photoinduced Phase Transition of Pd(dmit) ₂ Salts Having Different Orders of Phase Transition. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13187-13196.	3.1	29
21	Ultrafast Real Space Dynamics of Photoexcited State in a Layered Perovskite-Type Spin Crossover Oxide La _{1.5} Sr _{0.5} CoO ₄ . <i>Journal of the Physical Society of Japan</i> , 2013, 82, 074721.	1.6	9
22	Unconventional Photonic Change of Charge-Density-Wave Phase in Two-Leg Ladder Cuprate Sr ₁₄ Cu ₂₄ O ₄₁ . <i>Journal of the Physical Society of Japan</i> , 2013, 82, 083707.	1.6	5
23	The Earliest Stage of Photoinduced Phase Transition in a Strongly Correlated Organic System Using a 10-fs Pulse. <i>EPJ Web of Conferences</i> , 2013, 41, 03001.	0.3	1
24	Probing the metal-insulator phase transition in the (DMEDO-EBDT) ₂ PF ₆ single crystal by optical measurements. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 195501.	1.8	3
25	Photoinduced Phase Transitions in Strongly Correlated Electron Systems. , 2012, , .		0
26	Charge and Structural Dynamics in Photoinduced Phase Transition of (EDO-TTF) ₂ PF ₆ Examined by Picosecond Time-Resolved Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 5892-5899.	3.1	27
27	Structural Transitions from Triangular to Square Molecular Arrangements in the Quasi-One-Dimensional Molecular Conductors (DMEDO-TTF) ₂ XF ₆ (X = P, As, and Sb). <i>Journal of the American Chemical Society</i> , 2012, 134, 13330-13340.	13.7	18
28	Photoinduced Phase Transition in Strongly Electron-Lattice and Electron-Electron Correlated Molecular Crystals. <i>Crystals</i> , 2012, 2, 1067-1083.	2.2	1
29	Ultrafast Dynamics of Photoinduced Electronic Phase Modulation in Ladder Cuprate of Sr _{14-x} Ca _x Cu ₂₄ O ₄₁ . <i>Acta Physica Polonica A</i> , 2012, 121, 310-312.	0.5	1
30	Photo-Induced Structural Changes at a Surface of Organic Single Crystals Observed by Vibrational Sum Frequency Generation Spectroscopy. <i>Acta Physica Polonica A</i> , 2012, 121, 313-315.	0.5	1
31	Slow Dynamics of the Photoinduced Phase Transition in Pd(dmit) ₂ Salts (dmit = Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 Td	0.5	1
32	Photoinduced Ionic to Neutral Phase Transition in TTF-CA Studied by Time-Resolved Infrared Vibrational Spectroscopy. <i>Acta Physica Polonica A</i> , 2012, 121, 340-342.	0.5	8
33	Femtosecond Reflection Spectroscopy in La _{1.5} Sr _{0.5} CoO ₄ . <i>Acta Physica Polonica A</i> , 2012, 121, 307-309.	0.5	0
34	Search for the Photo-Induced Hidden Phase in Inorganic and Organic Systems. <i>Acta Physica Polonica A</i> , 2012, 121, 328-331.	0.5	0
35	Photoinduced Phase Transition in Pr _{0.5} Ca _{0.5} CoO ₃ Studied by Sequential Pulse Excitations. <i>Acta Physica Polonica A</i> , 2012, 121, 369-371.	0.5	2
36	Ultrafast spectral weight transfer in $R\text{BaCoO}_2$		

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37	Photoinduced Neutral-to-Ionic Phase Transition in Tetrathiafulvalene-p-chloranil Studied by Time-Resolved Vibrational Spectroscopy. Journal of the Physical Society of Japan, 2011, 80, 124711.	1.6	21
38	Acceleration of domain wall movement by photoirradiation in perovskite-type cobaltite. Physical Review B, 2011, 83, .	3.2	15
39	Ultrafast and large reflectivity change by ultraviolet excitation of the metallic phase in the organic conductor (EDO-TTF)2PF6. Physica B: Condensed Matter, 2010, 405, S350-S352.	2.7	2
40	Photo-Induced In-Gap States in SrTiO ₃ Probed by Photoemission Spectroscopy under Ultraviolet Illumination. Journal of the Physical Society of Japan, 2010, 79, 044703.	1.6	9
41	Photoinduced Dynamics of a Quasi-1D Organic Conductor over a Range from 10 fs to 100 ps. , 2010, , .		0
42	Large and ultrafast photoinduced reflectivity change in the charge separated phase of		

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55	Ultrafast gigantic photo-response in (EDO-TTF)2PF6 initiated by 10-fs laser pulses. Springer Series in Chemical Physics, 2007, , 621-623.	0.2	0
56	Static Magnetic-Field-Induced Phase Lag in the Magnetization Response of Tris(dipicolinato)lanthanides. Inorganic Chemistry, 2006, 45, 1299-1304.	4.0	88
57	Ultrafast Gigantic Photo-Response in (EDO-TTF)2PF6 Initiated by 10-fs Laser Pulses. , 2006, , .		0
58	Phase transition in (EDO-TTF)2PF6: domain growth in the thermal hysteresis and ultra-fast photoinduced effects. Journal of Physics: Conference Series, 2005, 21, 149-154.	0.4	2
59	Ultrafast photo-induced metal-insulator transition in 1/4 filled organic crystal (EDO-TTF)2PF6. Journal of Physics: Conference Series, 2005, 21, 130-135.	0.4	0
60	Ultrafast infrared spectroscopic study of the photo-induced phase transition in (EDO-TTF)2PF6. Journal of Physics: Conference Series, 2005, 21, 216-220.	0.4	9
61	Ultra-fast and sensitive photo-induced phase switching in (EDO-TTF)2PF6. Journal of Luminescence, 2005, 112, 275-278.	3.1	2
62	Gigantic Photoresponse in 1/4-Filled-Band Organic Salt (EDO-TTF)2PF6. Science, 2005, 307, 86-89.	12.6	315
63	Ultrafast infrared spectroscopic study of the photo-induced phase transition in (EDO-TTF)/sub 2/PF/sub 6/. , 2005, , .		0
64	Intramolecular Nitro-Assisted Proton Transfer in Photoirradiated 2-(2,4-Dinitrobenzyl)pyridine: Polarized Optical Spectroscopic Study and Electronic Structure Calculations. Journal of Physical Chemistry A, 2005, 109, 7264-7275.	2.5	20
65	Photoinduced Phenomena in Quantum Paraelectric Oxides by Ultraviolet Laser Irradiation. Ferroelectrics, 2004, 298, 317-323.	0.6	16
66	Preparation of Polyacetylenes via Organometallic C-C Coupling Reactions. Polymer Bulletin, 2004, 52, 315-319.	3.3	20
67	Mononuclear Lanthanide Complexes with a Long Magnetization Relaxation Time at High Temperatures: A New Category of Magnets at the Single-Molecular Level. Journal of Physical Chemistry B, 2004, 108, 11265-11271.	2.6	443
68	Upward Temperature Shift of the Intrinsic Phase Lag of the Magnetization of Bis(phthalocyaninato)terbium by Ligand Oxidation Creating an S=1/2 Spin. Inorganic Chemistry, 2004, 43, 5498-5500.	4.0	237
69	Giant Photoconductivity in Quantum Paraelectric Oxides. Ferroelectrics, 2004, 298, 141-143.	0.6	5
70	Isotope Effect on Photoconductivity in Quantum Paraelectric SrTiO3. Journal of the Physical Society of Japan, 2004, 73, 1635-1638.	1.6	27
71	Ultrafast photo-response in (EDO) ₂ PF ₆ . European Physical Journal Special Topics, 2004, 114, 143-145.	0.2	12
72	Preparation of a new poly(p-phenylene) type polymer, poly(pyrazine-2,5-diyl), with a coplanar structure. Polymer, 2003, 44, 4487-4490.	3.8	30

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73	Lanthanide Double-Decker Complexes Functioning as Magnets at the Single-Molecular Level. Journal of the American Chemical Society, 2003, 125, 8694-8695.	13.7	2,257
74	Carrier-density dependence of magnetic and magneto-optical properties of (Ga,Mn)As. Physical Review B, 2003, 67, .	3.2	21
75	Electronic and Structural Phase Transition Controlled by Photo-excitation and Magnetic Field in Spin Crossover Complex. Molecular Crystals and Liquid Crystals, 2002, 379, 357-364.	0.9	1
76	Spin-State Transitions in an Iron Spin-Crossover Complex Observed with X-ray Emission and X-ray Absorption. Phase Transitions, 2002, 75, 919-925.	1.3	4
77	Effect of the magnetic field on the dynamics of the cooperative photoinduced spin-state transition and relaxation. Physical Review B, 2002, 66, .	3.2	32
78	New Class of Photo-induced Cooperative Phenomena in Organic and Inorganic Hybrid Complexes. Phase Transitions, 2002, 75, 683-688.	1.3	2
79	Photo-induced phase transitions in organic and inorganic materials. Current Applied Physics, 2001, 1, 21-27.	2.4	1
80	Dynamics of photoinduced melting of charge/orbital order in a layered manganite La _{0.5} Sr _{1.5} MnO ₄ . Physical Review B, 2001, 63, .	3.2	79
81	Photo-destruction of charge/orbital order in layered perovskite manganite: La _{0.5} Sr _{1.5} MnO ₄ . Journal of Luminescence, 2000, 87-89, 639-641.	3.1	1
82	Raman spectroscopy of the charge-orbital ordering in layered manganites. Physical Review B, 2000, 61, 14706-14715.	3.2	63
83	Optical study on the doping and temperature dependence of the anisotropic electronic structure in bilayered manganites: La _{2-2x} Sr _{1+2x} Mn ₂ O ₇ (0.3 < x < 0.5). Physical Review B, 2000, 62, 12354-12362.	3.2	35
84	Probing Charge/Orbital Correlation in La _{1.2} Sr _{1.8} Mn ₂ O ₇ by Raman Spectroscopy. Journal of the Physical Society of Japan, 1999, 68, 2538-2541.	1.6	16
85	Commensurability effect on the charge ordering of La _{2-2x} Sr _x NiO ₄ . Physical Review B, 1999, 60, R5097-R5100.	3.2	40
86	Variation of charge-ordering transitions in R _{1/3} Sr _{2/3} FeO ₃ (R=La, Pr, Nd, Sm, and Gd). Physical Review B, 1999, 60, 10788-10795.	3.2	104
87	Optical response to orbital and charge ordering in a layered manganite: La _{1/2} Sr _{3/2} MnO ₄ . Physical Review B, 1999, 59, 8367-8370.	3.2	64
88	Title is missing!. Journal of Low Temperature Physics, 1999, 117, 1065-1069.	1.4	0
89	Anomalous Pseudogap Formation in a Nonsuperconducting Crystal of Nd _{1.85} Ce _{0.15} CuO _{4+y} : Implication of Charge Ordering. Physical Review Letters, 1999, 82, 5120-5123.	7.8	47
90	Optical probe of anisotropic and incoherent charge dynamics in a layered ferromagnet: La _{1.2} Sr _{1.8} Mn ₂ O ₇ . Physical Review B, 1998, 57, R8079-R8082.	3.2	56

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91	Optical spectroscopy of charge-ordering transition in $\text{La}_{1/3}\text{Sr}_{2/3}\text{FeO}_3$. <i>Physical Review B</i> , 1998, 58, R13326-R13329.	3.2	62
92	Charge-gap formation upon the Verwey transition in Fe_3O_4 . <i>Physical Review B</i> , 1998, 58, 3717-3720.	3.2	170
93	Variation of electronic structure in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($0 \leq x \leq 0.3$) as investigated by optical conductivity spectra. <i>Physical Review B</i> , 1997, 55, 4206-4214.	3.2	309
94	Optical spectroscopy of the charge-ordering transition in $\text{La}_{1.67}\text{Sr}_{0.33}\text{NiO}_4$. <i>Physical Review B</i> , 1996, 54, R14230-R14233.	3.2	161
95	Anomalous Variation of Optical Spectra with Spin Polarization in Double-Exchange Ferromagnet: $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. <i>Physical Review Letters</i> , 1995, 75, 109-112.	7.8	451
96	Change of electronic properties on the doping-induced insulator-metal transition in $\text{La}_{1-x}\text{Sr}_x\text{VO}_3$. <i>Physical Review B</i> , 1995, 52, R2221-R2224.	3.2	100