Shin-ya Koshihara

List of Publications by Year
in descending order

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210 papers	14,027 citations	38660 50 h-index	19690 117 g-index
211 all docs	211 docs citations	211 times ranked	11256 citing authors

#	Article	IF	Citations
1	Room-Temperature Ferromagnetism in Transparent Transition Metal-Doped Titanium Dioxide. Science, 2001, 291, 854-856.	6.0	2,376
2	Lanthanide Double-Decker Complexes Functioning as Magnets at the Single-Molecular Level. Journal of the American Chemical Society, 2003, 125, 8694-8695.	6.6	2,257
3	Ferromagnetic Order Induced by Photogenerated Carriers in Magnetic III-V Semiconductor Heterostructures of (In,Mn)As/GaSb. Physical Review Letters, 1997, 78, 4617-4620.	2.9	600
4	Magnetic properties of Mn-doped ZnO. Applied Physics Letters, 2001, 78, 958-960.	1.5	575
5	Mononuclear Lanthanide Complexes with a Long Magnetization Relaxation Time at High Temperatures:â€‰ A New Category of Magnets at the Single-Molecular Level. Journal of Physical Chemistry B, 2004, 108, 11265-11271.	1.2	443
6	Laser-Induced Ferroelectric Structural Order in an Organic Charge-Transfer Crystal. Science, 2003, 300, 612-615.	6.0	426
7	Gigantic Photoresponse in 1/4-Filled-Band Organic Salt (EDO-TTF)2PF6. Science, 2005, 307, 86-89.	6.0	315
8	Significant Increase of the Barrier Energy for Magnetization Reversal of a Single-4f-Ionic Single-Molecule Magnet by a Longitudinal Contraction of the Coordination Space. Inorganic Chemistry, 2007, 46, 7250-7252.	1.9	260
9	display="inline"><mml:mi>Pb</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi>Mg</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo></mml:mo><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="bold">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>: A Ferroelectric with Mu. Physical Review Letters, 2009, 103, 207601.	2.9	256
10	Cu-O network dependence of optical charge-transfer gaps and spin-pair excitations in single-CuO2-layer compounds. Physical Review B, 1990, 41, 11657-11660.	1.1	252
11	Mapping molecular motions leading to charge delocalization with ultrabright electrons. Nature, 2013, 496, 343-346.	13.7	240
12	Upward Temperature Shift of the Intrinsic Phase Lag of the Magnetization of Bis(phthalocyaninato)terbium by Ligand Oxidation Creating anS=1/2Spin. Inorganic Chemistry, 2004, 43, 5498-5500.	1.9	237
13	Photoinduced valence instability in the organic molecular compound tetrathiafulvalene-p-chloranil (TTF-CA). Physical Review B, 1990, 42, 6853-6856.	1.1	217
14	Transient photoinduced â€˜hiddenâ€™ phase inÂaÂmanganite. Nature Materials, 2011, 10, 101-105.	13.3	216
15	Dynamical Aspects of the Photoinduced Phase Transition in Spin-Crossover Complexes. Physical Review Letters, 2000, 84, 3181-3184.	2.9	214
16	Reversible photoinduced phase transitions in single crystals of polydiacetylenes. Physical Review Letters, 1992, 68, 1148-1151.	2.9	211
17	Photoinduced Cooperative Charge Transfer in Low-Dimensional Organic Crystals. Journal of Physical Chemistry B, 1999, 103, 2592-2600.	1.2	205
18	Ferromagnetism in Co-Doped TiO2 Rutile Thin Films Grown by Laser Molecular Beam Epitaxy. Japanese Journal of Applied Physics, 2001, 40, L1204-L1206.	0.8	178

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19	Effects of Chemically Induced Contraction of a Coordination Polyhedron on the Dynamical Magnetism of Bis(phthalocyaninato)disprosium, a Single-4f-Ionic Single-Molecule Magnet with a Kramers Ground State. Inorganic Chemistry, 2008, 47, 10217-10219.	1.9	149
20	Anomalous dielectric response in tetrathiafulvalene-p-chloranil as observed in temperature- and pressure-induced neutral-to-ionic phase transition. Physical Review B, 1991, 43, 8224-8232.	1.1	147
21	Anomalous Phase Diagram of Ferroelectric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo stretchy="false">(</mml:mo><mml:mi>Ba</mml:mi><mml:mo>,</mml:mo><mml:mi>Ca</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 382 Td (mathvariant="normal Crystals with Giant Electromechanical Response. Physical Review Letters, 2008, 100, 227601.	7.8	134
22	Domain-wall dynamics in organic charge-transfer compounds with one-dimensional ferroelectricity. Physical Review Letters, 1989, 63, 2405-2408.	2.9	130
23	Direct observation of collective modes coupled to molecular orbitalâ€“driven charge transfer. Science, 2015, 350, 1501-1505.	6.0	114
24	Visualizing breathing motion of internal cavities in concert with ligand migration in myoglobin. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2612-2616.	3.3	110
25	A Gigantic Photoinduced Dielectric Constant of Quantum Paraelectric Perovskite Oxides Observed under a Weak DC Electric Field. Journal of the Physical Society of Japan, 2003, 72, 37-40.	0.7	108
26	Crystal Melting by Light: X-ray Crystal Structure Analysis of an Azo Crystal Showing Photoinduced Crystal-Melt Transition. Journal of the American Chemical Society, 2014, 136, 9158-9164.	6.6	104
27	Developing 100â€...ps-resolved X-ray structural analysis capabilities on beamline NW14A at the Photon Factory Advanced Ring. Journal of Synchrotron Radiation, 2007, 14, 313-319.	1.0	93
28	Photoinduced Change in the Charge Order Pattern in the Quarter-Filled Organic Conductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo stretchy="false">(</mml:mo><mml:mi>EDO</mml:mi><mml:mtext) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (mathvariant="normal	2.9	89
29	a Strong Electron-Phonon Interaction. Physical Review Letters, 2008, 101, 067403. Static Magnetic-Field-Induced Phase Lag in the Magnetization Response of Tris(dipicolinato)lanthanides. Inorganic Chemistry, 2006, 45, 1299-1304.	1.9	88
30	Spectra of one-dimensional excitons in polysilanes with various backbone conformations. Physical Review B, 1993, 47, 4363-4371.	1.1	86
31	Reversible and irreversible thermochromic phase transitions in single crystals of polydiacetylenes substituted with alkylâ€urethanes. Journal of Chemical Physics, 1990, 92, 7581-7588.	1.2	82
32	Direct Observation of Cooperative Protein Structural Dynamics of Homodimeric Hemoglobin from 100 ps to 10 ms with Pumpâ€“Probe X-ray Solution Scattering. Journal of the American Chemical Society, 2012, 134, 7001-7008.	6.6	82
33	Intrinsic negative-resistance effect in mixed-stack charge-transfer crystals. Physical Review B, 1989, 39, 10441-10444.	1.1	81
34	Origin of Giant Dielectric Response in Nonferroelectric CaCu₃Ti₄O₁₂: Inhomogeneous Conduction Nature Probed by Atomic Force Microscopy. Chemistry of Materials, 2008, 20, 1694-1698.	3.2	77
35	Light-induced ferromagnetism in III-V-based diluted magnetic semiconductor heterostructures. Journal of Applied Physics, 1997, 81, 4862-4864.	1.1	76
36	Direct Probing of Spin State Dynamics Coupled with Electronic and Structural Modifications by Picosecond Time-Resolved XAFS. Journal of the American Chemical Society, 2010, 132, 61-63.	6.6	75

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37	Fabrication of a triple tapered probe for near-field optical spectroscopy in UV region based on selective etching of a multistep index fiber. Optics Communications, 1998, 146, 45-48.	1.0	74
38	Photochemistry of facâ€[Re(bpy)(CO)₃Cl]. Chemistry - A European Journal, 2012, 18, 15722-15734.	1.7	74
39	Determination of the Structural Features of a Long-Lived Electron-Transfer State of 9-Mesityl-10-methylacridinium Ion. Journal of the American Chemical Society, 2012, 134, 4569-4572.	6.6	71
40	Static and dynamic order of cooperative multi-electron transfer. Europhysics Letters, 2002, 59, 619-625.	0.7	70
41	Ionic-to-neutral phase transformation induced by photoexcitation of the charge-transfer band in tetrathiafulvalene-p-chloranil crystals. Physical Review B, 1999, 60, 6191-6193.	1.1	67
42	Exciton states of polysilanes as investigated by electro-absorption spectra. Solid State Communications, 1990, 75, 5-9.	0.9	66
43	Optical excitations inCuO2sheets and their strong dependence on Cu-O coordination and bond length. Physical Review B, 1991, 44, 917-920.	1.1	66
44	Comprehensive Structural Study of Glassy and Metastable Crystalline BaTi₂O₅. Chemistry of Materials, 2009, 21, 259-263.	3.2	66
45	Switching effect in organic charge transfer complex crystals. Applied Physics Letters, 1989, 55, 2111-2113.	1.5	59
46	Crystal growth and piezoelectricity of BaTiO3â€“CaTiO3 solid solution. Applied Physics Letters, 2008, 93, .	1.5	59
47	Dielectric, ferroelectric, and piezoelectric behaviors of AgNbO3â€“KNbO3 solid solution. Journal of Applied Physics, 2009, 106, .	1.1	55
48	Photo-Induced Phase Transition in an Electronâ€“Lattice Correlated System â€“Future Role of a Time-Resolved X-ray Measurement for Materials Scienceâ€“. Journal of the Physical Society of Japan, 2006, 75, 011005.	0.7	53
49	Dynamics of a photoinduced phase transition in polydiacetylene crystals. Physical Review B, 1995, 52, 6265-6272.	1.1	51
50	Probing photoinduced phase transition in a charge-transfer molecular crystal by 100 picosecond X-ray diffraction. Chemical Physics, 2004, 299, 163-170.	0.9	51
51	Direct imaging of electron recombination and transport on a semiconductor surface by femtosecond time-resolved photoemission electron microscopy. Applied Physics Letters, 2014, 104, .	1.5	46
52	The RATIO method for time-resolved Laue crystallography. Journal of Synchrotron Radiation, 2009, 16, 226-230.	1.0	45
53	Piezoelectric properties of lithium modified silver niobate perovskite single crystals. Applied Physics Letters, 2008, 92, .	1.5	44
54	Lattice distortion under an electric field in BaTiO₃piezoelectric single crystal. Journal of Physics Condensed Matter, 2009, 21, 215903.	0.7	43

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55	Capturing One-Dimensional Precursors of a Photoinduced Transformation in a Material. Physical Review Letters, 2010, 105, 246101.	2.9	42
56	Inverse Peierls transition induced by photoexcitation in potassium tetracyanoquinodimethane crystals. Physical Review B, 1991, 44, 431-434.	1.1	41
57	Invariant lattice strain and polarization in BaTiO₃â€“CaTiO₃ferroelectric alloys. Journal of Physics Condensed Matter, 2010, 22, 052204.	0.7	41
58	Direct Observation of the Triplet Metal-Centered State in [Ru(bpy)₃]²⁺Using Time-Resolved Infrared Spectroscopy. ChemistrySelect, 2016, 1, 2802-2807.	0.7	41
59	Ultrafast isomerization-induced cooperative motions to higher molecular orientation in smectic liquid-crystalline azobenzene molecules. Nature Communications, 2019, 10, 4159.	5.8	41
60	Femtosecond time-resolved photoemission electron microscopy for spatiotemporal imaging of photogenerated carrier dynamics in semiconductors. Review of Scientific Instruments, 2014, 85, 083705.	0.6	39
61	Infrared Vibrational Spectroscopy of [Ru(bpy)₂(bpm)]²⁺ and [Ru(bpy)₃]²⁺ in the Excited Triplet State. Inorganic Chemistry, 2014, 53, 2481-2490.	1.9	39
62	Fe-based magnetic-semiconductor hybrid structures for photocarrier-induced magnetism. Journal of Applied Physics, 2000, 87, 6445-6447.	1.1	36
63	Coordination and Electronic Structure of Ruthenium(II)-tris-2,2â€²-bipyridine in the Triplet Metal-to-Ligand Charge-Transfer Excited State Observed by Picosecond Time-Resolved Ru K-Edge XAFS. Journal of Physical Chemistry C, 2012, 116, 14232-14236.	1.5	34
64	Shock-induced lattice deformation of CdS single crystal by nanosecond time-resolved Laue diffraction. Applied Physics Letters, 2007, 91, .	1.5	33
65	Preparation of a new poly(p-phenylene) type polymer, poly(pyrazine-2,5-diyl), with a coplanar structure. Polymer, 2003, 44, 4487-4490.	1.8	30
66	Selective Reduction Mechanism of Graphene Oxide Driven by the Photon Mode versus the Thermal Mode. ACS Nano, 2019, 13, 10103-10112.	7.3	30
67	Enhanced Negative Thermal Expansion Induced by Simultaneous Charge Transfer and Polarâ€“Nonpolar Transitions. Journal of the American Chemical Society, 2019, 141, 19397-19403.	6.6	30
68	Time-Resolved Infrared Vibrational Spectroscopy of the Photoinduced Phase Transition of Pd(dmit)₂ Salts Having Different Orders of Phase Transition. Journal of Physical Chemistry C, 2013, 117, 13187-13196.	1.5	29
69	â€˜It's hollowâ€™: the function of pores within myoglobin. Journal of Experimental Biology, 2010, 213, 2748-2754.	0.8	28
70	Type-II photoluminescence from GaP/AlP/GaP quantum wells. Journal of Applied Physics, 1997, 81, 1417-1421.	1.1	27
71	Isotope Effect on Photoconductivity in Quantum Paraelectric SrTiO3. Journal of the Physical Society of Japan, 2004, 73, 1635-1638.	0.7	27
72	Charge and Structural Dynamics in Photoinduced Phase Transition of (EDO-TTF)₂PF₆ Examined by Picosecond Time-Resolved Vibrational Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 5892-5899.	1.5	27

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73	100â€...ps time-resolved solution scattering utilizing a wide-bandwidth X-ray beam from multilayer optics. Journal of Synchrotron Radiation, 2009, 16, 391-394.	1.0	26
74	Challenges for developing photo-induced phase transition (PIPT) systems: From classical (incoherent) to quantum (coherent) control of PIPT dynamics. Physics Reports, 2022, 942, 1-61.	10.3	26
75	Glass cutting by femtosecond pulsed irradiation. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2004, 3, 358.	1.0	25
76	Room-Temperature First-Order Phase Transition in a Charge-Disproportionated Molecular Conductor (MeEDO-TTF)₂PF₆. Chemistry of Materials, 2008, 20, 7551-7562.	3.2	25
77	Capturing molecular structural dynamics by 100â€...ps time-resolved X-ray absorption spectroscopy. Journal of Synchrotron Radiation, 2009, 16, 110-115.	1.0	25
78	Ferroelectricity of Li-doped silver niobate (Ag, Li)NbO₃. Journal of Physics Condensed Matter, 2011, 23, 075901.	0.7	25
79	Asymmetricâ€toâ€centrosymmetric structure change of molecules in squaric acid crystal: Evidence for pressureâ€induced change of correlated proton potentials. Journal of Chemical Physics, 1990, 93, 5429-5435.	1.2	24
80	One-Minute Joule Annealing Enhances the Thermoelectric Properties of Carbon Nanotube Yarns via the Formation of Graphene at the Interface. ACS Applied Energy Materials, 2019, 2, 7700-7708.	2.5	24
81	Diverse Photoinduced Dynamics in an Organic Charge-Transfer Complex Having Strong Electronâ€“Phonon Interactions. Accounts of Chemical Research, 2014, 47, 3494-3503.	7.6	23
82	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.	0.7	21
83	Polarâ€“Nonpolar Phase Transition Accompanied by Negative Thermal Expansion in Perovskite-Type Bi_{1â€“x}Pb_xNiO₃. Chemistry of Materials, 2019, 31, 4748-4758.	3.2	21
84	Fluorescence spectrum and lifetime of urethane-substituted polydiacetylene in solution. Chemical Physics Letters, 1985, 114, 446-450.	1.2	20
85	Delayâ€time modulation spectroscopy using a cw modeâ€locked Nd:YAG laser synchronized with the synchrotron radiation pulses (invited). Review of Scientific Instruments, 1989, 60, 1569-1572.	0.6	20
86	Preparation of Polyacetylenes via Organometallic C-C Coupling Reactions. Polymer Bulletin, 2004, 52, 315-319.	1.7	20
87	Intramolecular Nitro-Assisted Proton Transfer in Photoirradiated 2-(2â€˛,4â€˛-Dinitrobenzyl)pyridine:â€‰Polarized Optical Spectroscopic Study and Electronic Structure Calculations. Journal of Physical Chemistry A, 2005, 109, 7264-7275.	1.1	20
88	Bandgap modulation in photoexcited topological insulator Bi2Te3 via atomic displacements. Journal of Chemical Physics, 2016, 145, 024504.	1.2	20
89	Prediction of the Electronic Structure via Molecular Stacking Mode of Radical Cation Salts Based on Asymmetric Donor Molecule MeEDO-TTF. Chemistry of Materials, 2009, 21, 1085-1095.	3.2	19
90	Coherent dynamics of photoinduced phase formation in a strongly correlated organic crystal. Physical Review B, 2014, 89, .	1.1	19

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91	Organic metal (EDO-TTF)₂PF₆with multi-instability. Science and Technology of Advanced Materials, 2009, 10, 024305.	2.8	18
92	Structural Transitions from Triangular to Square Molecular Arrangements in the Quasi-One-Dimensional Molecular Conductors (DMEDO-TTF)2XF6(X = P, As, and Sb). Journal of the American Chemical Society, 2012, 134, 13330-13340.	6.6	18
93	Electronic structure of poly(dihexylgermane): A comparison with poly(dihexylsilane). Physical Review B, 1992, 45, 8752-8755.	1.1	17
94	Dynamical Aspects of the Photo-induced Spin-crossover Transition in [Fe(2-) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (pic)₃ 314, 107-112.	0.3	17
95	Mechanistic Studies of Photochemical Silylene Extrusion from 2,2-Diphenylhexamethyltrisilane. Journal of the American Chemical Society, 1999, 121, 3651-3656.	6.6	17
96	Photo-induced chirality switching in a cobaloxime complex crystal. Journal of Chemical Physics, 2005, 122, 141103.	1.2	17
97	Towards ultrafast spin-state switching in the solid state. Comptes Rendus Chimie, 2008, 11, 1235-1240.	0.2	17
98	Photoinduced Phenomena in Quantum Paraelectric Oxides by Ultraviolet Laser Irradiation. Ferroelectrics, 2004, 298, 317-323.	0.3	16
99	Formation of two-dimensional metals by weak intermolecular interactions based on the asymmetric EDO-TTF derivatives. Journal of Materials Chemistry, 2008, 18, 2131.	6.7	16
100	Lifetimes of photogenerated electrons on a GaAs surface affected by nanostructural defects. Applied Physics Express, 2015, 8, 101201.	1.1	16
101	Formation of FeAs and Fe crystallites in GaAsâ€“Fe composite structures and their roles in light-enhanced magnetization. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 10, 437-441.	1.3	15
102	Anisotropy in the electronic structure of polysilanes investigated by synchrotron-radiation spectroscopy. Physical Review B, 1991, 44, 5487-5491.	1.1	14
103	Nanosecond and picosecond dynamics of photo-induced phase-transition in low dimensional organic crystals. Synthetic Metals, 1995, 70, 1225-1226.	2.1	13
104	Micro-Character Printing on a Diamond Plate by Femtosecond Infrared Optical Pulses. Japanese Journal of Applied Physics, 2003, 42, 4613-4616.	0.8	13
105	Photo-induced phase transition: from where it comes and to where it goes?. Journal of Physics: Conference Series, 2005, 21, 7-14.	0.3	13
106	Ultrafast electron dynamics in twisted graphene by femtosecond photoemission electron microscopy. Carbon, 2017, 124, 49-56.	5.4	12
107	Ultrafast Control of Ferroelectricity with Dynamical Repositioning of Protons in a Supramolecular Cocrystal Studied by Femtosecond Nonlinear Spectroscopy. Journal of the Physical Society of Japan, 2019, 88, 013705.	0.7	12
108	Ultrafast photo-response in (EDO)₂PF₆. European Physical Journal Special Topics, 2004, 114, 143-145.	0.2	12

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109	Timeâ€resolved resonance Raman spectrum of chrysene in theS1andT1states. Journal of Chemical Physics, 1986, 85, 1211-1219.	1.2	11
110	PhotoreactionviaNon-Resonant Two-Photon Excitation. Selective Silylene Extrusion from 2,2-Diphenyltrisilane. Chemistry Letters, 1995, 24, 3-4.	0.7	11
111	Local response to light excitation in the charge-ordered phase of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mathvariant="normal">F</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 92, .	1.1	11
112	Selective Isomerization ofcis-Stilbene by Non-Resonant Two-Photon Excitation. Chemistry Letters, 1995, 24, 217-218.	0.7	10
113	Photo-induced effect of ferroelastic phase transition in KD3(SeO3)2. Ferroelectrics, 2001, 264, 309-314.	0.3	10
114	Time-resolved X-ray crystal structure analysis for elucidating the hidden â€˜over-neutralizedâ€™ phase of TTF-CA. RSC Advances, 2013, 3, 16313.	1.7	10
115	Dielectric Enhancement in Quantum Paraelectric SrTiO 3 by UV Laser Irradiation under DC Electric Field. Ferroelectrics, 2003, 286, 3-8.	0.3	9
116	Ultrafast infrared spectroscopic study of the photo-induced phase transition in (EDO-TTF)2PF6. Journal of Physics: Conference Series, 2005, 21, 216-220.	0.3	9
117	Ultrafast Real Space Dynamics of Photoexcited State in a Layered Perovskite-Type Spin Crossover Oxide La_{1.5}Sr_{0.5}CoO₄. Journal of the Physical Society of Japan, 2013, 82, 074721.	0.7	9
118	Robust Giant Tetragonal Distortion Coupled with High-Spin Co³⁺ in Electron-Doped BiCoO₃. Inorganic Chemistry, 2019, 58, 16059-16064.	1.9	9
119	Sn â†•S1 and Tn â†•T1 absorption spectra of highly purified chrysene in solution. Chemical Physics Letters, 1986, 124, 331-335.	1.2	8
120	Dynamical aspects of photo-induced phase transition in polydiacetylenes. Synthetic Metals, 1989, 28, D605-D612.	2.1	8
121	Action Spectra of Non-Resonant Two-Photon (NRTP) Isomerization ofÎ±,Ï‰-Diphenylpolyenes. Chemistry Letters, 1996, 25, 1023-1024.	0.7	8
122	Time-resolved X-ray diffraction: a wonderful tool for probing structural photo-induced phase transitions. Journal of Luminescence, 2005, 112, 235-241.	1.5	8
123	Structural Basis for the Phase Switching of Bisaminecopper(II) Cations at the Thermal Limits of Lattice Stability. Inorganic Chemistry, 2006, 45, 5027-5033.	1.9	8
124	Different Time-Scale Relaxation Dynamics in Organic Supramolecular Ferroelectrics Studied by Linear and Nonlinear Spectroscopy. Journal of the Physical Society of Japan, 2015, 84, 073707.	0.7	8
125	Conductive Boundary Layer in CaCu3Ti4O12with Giant-Dielectric-Response. Ferroelectrics, 2007, 347, 140-144.	0.3	7
126	The photo-induced phase and coherent phonon in the organic conductor (EDO-TTF)₂PF₆. Journal of Physics Condensed Matter, 2008, 20, 224018.	0.7	7

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127	Ligand migration in myoglobin: A combined study of computer simulation and x-ray crystallography. Journal of Chemical Physics, 2012, 136, 165101.	1.2	7
128	Bond Dissociation Triggering Molecular Disorder in Amorphous H₂O. Journal of Physical Chemistry A, 2018, 122, 9579-9584.	1.1	7
129	Generation of sub-100Âfs electron pulses for time-resolved electron diffraction using a direct synchronization method. Review of Scientific Instruments, 2022, 93, .	0.6	7
130	Molecular design for reversible phase transition systems based on polydiacetylenes. Synthetic Metals, 1991, 41, 231-234.	2.1	6
131	Photo-induced bi-directional phase transitions in polydiacetylene single crystals. Synthetic Metals, 1993, 55, 103-108.	2.1	6
132	Remarkable Suppression of [2+2] Cycloaddition during Nonresonant Two-photon Photoreaction of trans-Stilbene in the Presence of Tetramethylethylene. Photochemistry and Photobiology, 1997, 66, 566-568.	1.3	6
133	Photo-induced Phase Transitions in Quasi-One-Dimensional Molecular Systems. Molecular Crystals and Liquid Crystals, 1992, 216, 3-6.	0.3	5
134	Selective isomerization of retinal upon two-photon excitation. Chemical Physics Letters, 2003, 369, 380-385.	1.2	5
135	Giant Photoconductivity in Quantum Paraelectric Oxides. Ferroelectrics, 2004, 298, 141-143.	0.3	5
136	Photoinduced phase transition of coordinationally unsaturated d9 metal centers within the thermal hysteresis of the spin exchange interaction. Chemical Communications, 2006, , 1491.	2.2	5
137	Study of chirality and photo-induced chirality in cobaloxime complex crystals. Chemical Physics Letters, 2006, 422, 267-270.	1.2	5
138	Multi-phonon dynamics of the ultra-fast photoinduced transition of (EDO-TTF)₂SbF₆. Journal of Physics: Conference Series, 2009, 148, 012001.	0.3	5
139	Photoinduced insulator-metal transition in Pr_{0.5}Ca_{0.5}CoO₃as studied by femtosecond spectroscopy. Journal of Physics: Conference Series, 2009, 148, 012019.	0.3	5
140	Unconventional Photonic Change of Charge-Density-Wave Phase in Two-Leg Ladder Cuprate Sr14Cu24O41. Journal of the Physical Society of Japan, 2013, 82, 083707.	0.7	5
141	Crystal structure analysis of molecular dynamics using synchrotron X-rays. CrystEngComm, 2015, 17, 8786-8795.	1.3	5
142	Enhanced Spontaneous Polarization by V4+ Substitution in a Lead-Free Perovskite CaMnTi2O6. Inorganic Chemistry, 2020, 59, 11749-11756.	1.9	5
143	Phonon transport probed at carbon nanotube yarn/sheet boundaries by ultrafast structural dynamics. Carbon, 2020, 170, 165-173.	5.4	5
144	Nanosecond time-resolved Tn â†' T1 fluorescence, Tn â†•T1 absorption, and resonance raman scattering spectra in diphenylamine. Chemical Physics Letters, 1984, 104, 174-178.	1.2	4

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145	Electro-absorption spectroscopy of electronic structures in polysilanes. Synthetic Metals, 1991, 41, 1385-1388.	2.1	4
146	Domain-well excitations in organic charge-transfer compounds investigated by photo-reflectance spectroscopy. Synthetic Metals, 1991, 42, 2351-2354.	2.1	4
147	Spin-State Transitions in an Iron Spin-Crossover Complex Observed with X-ray Emission and X-ray Absorption. Phase Transitions, 2002, 75, 919-925.	0.6	4
148	Photoinduced Phase Transition of the Coordinationally Unsaturated d9 Metal Centers of Bis(N,N-diethylethylenediamine)copper(II) Perchlorate within the Thermal Hysteresis of the Spin-Exchange Interaction. European Journal of Inorganic Chemistry, 2006, 2006, 1345-1347.	1.0	4
149	High Carrier Mobility Coupled with Quantum Paraelectric Fluctuation. Ferroelectrics, 2007, 346, 10-15.	0.3	4
150	Reply to Comment on â€œOrigin of Giant Dielectric Response in Nonferroelectric CaCu3Ti4O12: Inhomogeneous Conduction Nature Probed by Atomic Force Microscopyâ€• Chemistry of Materials, 2008, 20, 6286-6287.	3.2	4
151	Nanostructured TiO2 photocatalyst and pump-probe spectroscopic study. Frontiers of Materials Science in China, 2009, 3, 403-408.	0.5	4
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