

H Okamoto

List of Publications by Year in descending order

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341
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341
docs citations

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times ranked

7115
citing authors

#	ARTICLE	IF	CITATIONS
1	Gigantic optical nonlinearity in one-dimensional Mott-Hubbard insulators. <i>Nature</i> , 2000, 405, 929-932.	35.8	335
2	Ultrafast Optical Switching to a Metallic State by Photoinduced Mott Transition in a Halogen-Bridged Nickel-Chain Compound. <i>Physical Review Letters</i> , 2003, 91, 057401.	8.0	292
3	Thermochromism in an organic crystal based on the coexistence of π - and π -dimers. <i>Nature Materials</i> , 2008, 7, 48-51.	26.3	218
4	Two-Step Spin Conversion in a Cyanide-Bridged Ferrous Square. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6484-6487.	14.6	186
5	Bottom-up realization of a porous metal-organic nanotubular assembly. <i>Nature Materials</i> , 2011, 10, 291-295.	26.3	184
6	Programmable spin-state switching in a mixed-valence spin-crossover iron grid. <i>Nature Communications</i> , 2014, 5, 3865.	13.0	181
7	Two-Dimensional Platform for Networks of Majorana Bound States. <i>Physical Review Letters</i> , 2017, 118, 107701.	8.0	167
8	Anomalous dielectric response in tetrathiafulvalene-p-chloranil as observed in temperature- and pressure-induced neutral-to-ionic phase transition. <i>Physical Review B</i> , 1991, 43, 8224-8232.	3.3	150
9	Photoinduced Metallic State Mediated by Spin-Charge Separation in a One-Dimensional Organic Mott Insulator. <i>Physical Review Letters</i> , 2007, 98, 037401.	8.0	149
10	Resonance Balance Shift in Stacks of Delocalized Singlet Biradicals. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5482-5486.	14.6	144
11	Exploration of new cooperative proton-electron transfer (PET) systems: first example of extended conjugated quinhydrones, 1,5-dihalo-2,6-naphthoquinhydrones. <i>Journal of the American Chemical Society</i> , 1991, 113, 1862-1864.	14.5	143
12	Photoinduced phase transition in tetrathiafulvalene-p-chloranil observed in femtosecond reflection spectroscopy. <i>Physical Review B</i> , 2004, 70, .	3.3	138
13	Impact of Diradical Character on Two-Photon Absorption: Bis(acridine) Dimers Synthesized from an Allenic Precursor. <i>Journal of the American Chemical Society</i> , 2013, 135, 232-241.	14.5	138
14	Quantum interference between charge excitation paths in a solid-state Mott insulator. <i>Nature Physics</i> , 2011, 7, 114-118.	11.7	137
15	Photoinduced Melting of a Stripe-Type Charge-Order and Metallic Domain Formation in a Layered BEDT-TTF-Based Organic Salt. <i>Physical Review Letters</i> , 2007, 98, 097402.	8.0	135
16	Optical and magnetic properties of the halogen-bridged metal complexes modified by hydrogen bondings: $\{M(1R,2R\text{-cyclohexanediamine})_2Br\}Br_2$ ($M=Pt, Pd, \text{ and } Ni$). <i>Physical Review B</i> , 1990, 42, 10381-10387.	3.3	134
17	Solitons, Polarons, and Excitons in Quasi-One-Dimensional Halogen-Bridged Transition Metal Compounds. <i>Bulletin of the Chemical Society of Japan</i> , 1998, 71, 2023-2039.	3.3	133
18	Domain-wall dynamics in organic charge-transfer compounds with one-dimensional ferroelectricity. <i>Physical Review Letters</i> , 1989, 63, 2405-2408.	8.0	132

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19	Ultrafast Optical Switching from an Ionic to a Neutral State in Tetrathiafulvalene-p-Chloranil (TTF-CA) Observed in Femtosecond Reflection Spectroscopy. <i>Physical Review Letters</i> , 2002, 88, 057402.	8.0	129
20	General Features of Photoinduced Spin Dynamics in Ferromagnetic and Ferrimagnetic Compounds. <i>Physical Review Letters</i> , 2005, 94, 087202.	8.0	129
21	Photosensitive Function of Encapsulated Dye in Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2007, 129, 4992-4997.	14.5	125
22	Photoinduced Phase Transition in an Organic Radical Crystal with Room-Temperature Optical and Magnetic Bistability. <i>Physical Review Letters</i> , 2003, 91, 017403.	8.0	124
23	Nonlinear electric transport and switching phenomenon in the mixed-stack charge-transfer crystal tetrathiafulvalene-p-chloranil. <i>Physical Review B</i> , 1988, 38, 2215-2218.	3.3	110
24	Photoinduced transition from Mott insulator to metal in the undoped cuprates $Nd_{2-x}Cu_xO_{10}$. <i>Physical Review Letters</i> , 1992, 69, 2248-2251.	3.3	102
25	Photogeneration of solitons and polarons in 1-D halogen-bridged metal complexes. <i>Physical Review Letters</i> , 1992, 69, 2248-2251.	8.0	100
26	Ultrafast modulation of polarization amplitude by terahertz fields in electronic-type organic ferroelectrics. <i>Nature Communications</i> , 2013, 4, 2586.	13.0	100
27	Ultrafast Photoinduced Insulator-Ferromagnet Transition in the Perovskite Manganite $Gd_{0.55}Sr_{0.45}MnO_3$. <i>Physical Review Letters</i> , 2007, 94, 087201.	8.0	96
28	Ultrafast charge dynamics in photoexcited $Nd_{2-x}Cu_xO_{10}$. <i>Physical Review Letters</i> , 1992, 69, 2248-2251.	3.3	96
29	Electronic structure of the quasi-one-dimensional halogen-bridged Ni complexes $[Ni(chxn)_2]X_2$ ($X=Cl, Br$) and related Ni compounds. <i>Physical Review B</i> , 1996, 54, 8438-8445.	3.3	94
30	Control of CDW state in halogen-bridged metal complexes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1992, 13, L9-L14.	3.6	92
31	Room-temperature magnetic bistability in organic radical crystals: Paramagnetic-diamagnetic phase transition in 1,3,5-trithia-2,4,6-triazapentalenyl. <i>Physical Review B</i> , 2002, 65, .	3.3	88
32	Novel Optical and Magnetic Bistability and Photoinduced Transition in a One-Dimensional Halogen-Bridged Binuclear Pt Complex. <i>Physical Review Letters</i> , 2003, 90, 046401.	8.0	84
33	Ultrafast Photoinduced Melting of a Spin-Peierls Phase in an Organic Charge-Transfer Compound, K-Tetracyanoquinodimethane. <i>Physical Review Letters</i> , 2006, 96, 037405.	8.0	82
34	Large Optical Nonlinearity of Semiconducting Single-Walled Carbon Nanotubes under Resonant Excitations. <i>Physical Review Letters</i> , 2005, 94, 047404.	8.0	80
35	Charge-Density-Wave to Mott-Hubbard Phase Transition in Quasi-One-Dimensional Bromo-Bridged Pd Compounds. <i>Journal of the American Chemical Society</i> , 2008, 130, 12080-12084.	14.5	80
36	Large Third-Order Optical Nonlinearity of Cu-O Chains Investigated by Third-Harmonic Generation Spectroscopy. <i>Physical Review Letters</i> , 2001, 87, 177401.	8.0	72

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37	THz-Frequency Modulation of the Hubbard U in an Organic Mott Insulator. Physical Review Letters, 2015, 115, 187401.	8.0	70
38	Control of magnetic-field effect on electroluminescence in Alq3-based organic light emitting diodes. Applied Physics Letters, 2006, 88, 123501.	3.2	69
39	Ultrafast Phase Control in One-Dimensional Correlated Electron Systems. Journal of the Physical Society of Japan, 2006, 75, 011007.	1.6	67
40	Development of a Robust Model System of FRET using Base Surrogates Tethering Fluorophores for Strict Control of Their Position and Orientation within DNA Duplex. Journal of the American Chemical Society, 2013, 135, 741-750.	14.5	67
41	Linear and nonlinear optical properties of one-dimensional Mott insulators consisting of Ni-halogen chain and CuO-chain compounds. Physical Review B, 2004, 70, .	3.3	66
42	Submicron-scale spatial feature of ultrafast photoinduced magnetization reversal in TbFeCo thin film. Applied Physics Letters, 2009, 94, .	3.2	65
43	Photoinduced spin dynamics in La _{0.6} Sr _{0.4} MnO ₃ observed by time-resolved magneto-optical Kerr spectroscopy. Physical Review B, 2003, 68, .	3.3	64
44	Direct Detection of the Ultrafast Response of Charges and Molecules in the Photoinduced Neutral-to-Ionic Transition of the Organic Tetrathiafulvalene-TCNQ Solid. Physical Review Letters, 2010, 105, 258302.	8.0	64
45	Coherent Control of Charge and Lattice Dynamics in a Photoinduced Neutral-to-Ionic Transition of a Charge-Transfer Compound. Physical Review Letters, 2006, 96, 057403.	8.0	63
46	Charge Fluctuation in MMX Chain Compounds, A ₄ [Pt ₂ (pop) ₄]·nH ₂ O. Journal of the American Chemical Society, 1999, 121, 2321-2322.	14.5	62
47	Structure and Optical Properties of Thermochromic Schiff Bases. Charge Transfer Interaction and Proton Transfer in the N-Tetrachlorosalicylideneaniline and N-Tetrachlorosalicylidene-1-pyrenylamine Crystals. Bulletin of the Chemical Society of Japan, 1991, 64, 801-810.	3.3	58
48	Pressure-Dependent Relaxation in the Photoexcited Mott Insulator $TCNQ$. Influence of Hopping and Correlations on Quasiparticle Recombination Rates. Physical Review Letters, 2014, 112, 117801.	8.0	58
49	Ultrafast Optical Switching by using Nanocrystals of a Halogen-Bridged Nickel Chain Compound Dispersed in an Optical Polymer. Advanced Materials, 2007, 19, 2707-2710.	24.0	57
50	Near-infrared absorption of π -stacking columns composed of trioxotriangulene neutral radicals. Npj Quantum Materials, 2017, 2, .	5.2	57
51	Optical study of structural phase transition in organic charge-transfer crystals K- and Rb-tetracyanoquinodimethane. Physical Review B, 1987, 36, 3858-3867.	3.3	55
52	Nonlinear Magneto-Optical Kerr Rotation of an Oxide Superlattice with Artificially Broken Symmetry. Physical Review Letters, 2003, 90, 217403.	8.0	55
53	Tuning of Charge Density Wave Strengths by Competition between Electron-Phonon Interaction of PdII and Mixed-Valence States and Electron Correlation of NiIII States in Quasi-One-Dimensional Bromo-Bridged Ni-Pd Mixed-Metal MX Chain Compounds Ni _{1-x} Pd _x (chxn) ₂ Br ₃ . Inorganic Chemistry, 1999, 38, 5124-5130.	4.2	54
54	Synthesis of a New Thiophene/Quinoxaline CT-Type Copolymer with High Solubility and Its Basic Optical Properties. Macromolecular Rapid Communications, 2003, 24, 440-443.	4.3	54

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55	Pressure-induced neutral-to-ionic phase transition in TTF-p-chloranil studied by infrared vibrational spectroscopy. <i>Solid State Communications</i> , 1986, 57, 607-610.	1.9	53
56	Mott transition by an impulsive dielectric breakdown. <i>Nature Materials</i> , 2017, 16, 1100-1105.	26.3	52
57	The Ferromagnetic Chain System $\text{catena-(1/4-CrO}_4\text{-O)}^{\ominus}\text{[NiII(cyclam)]}\cdot 2\text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 1997, 36, 3201-3203.	4.2	49
58	Third-order optical nonlinearity in regio-controlled polythiophene films. <i>Applied Physics Letters</i> , 2005, 87, 121902.	3.2	48
59	Infrared molecular-vibration spectra of tetrathiafulvalene-chloranil crystal at low temperature and high pressure. <i>Physical Review B</i> , 1987, 36, 3884-3887.	3.3	46
60	IR Study of the H-Bond Coupled with the Mixed-Valence State of Halogen-Bridged Metal Complexes. <i>Journal of the Physical Society of Japan</i> , 1991, 60, 997-1004.	1.6	45
61	Conversion of Excitons to Spin-Soliton Pairs in Quasi-One-Dimensional Halogen-Bridged Metal Complexes. <i>Physical Review Letters</i> , 1998, 80, 861-864.	8.0	44
62	Resonance Balance Shift in Stacks of Delocalized Singlet Biradicals. <i>Angewandte Chemie</i> , 2009, 121, 5590-5594.	2.1	44
63	The role of octahedral tilting in the structural phase transition and magnetic anisotropy in SrRuO ₃ thin film. <i>Journal of Applied Physics</i> , 2013, 113, .	2.3	44
64	Ultrafast Photoinduced Formation of Metallic State in a Perovskite-type Manganite with Short Range Charge and Orbital Order. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 043702.	1.6	42
65	Vapochromic Behavior Accompanied by Phase Transition between Charge-Polarization and Charge-Density-Wave States in a Quasi-One-Dimensional Iodine-Bridged Dinuclear Platinum Compound. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3240-3243.	14.6	41
66	Visualization of ferroelectric domains in a hydrogen-bonded molecular crystal using emission of terahertz radiation. <i>Applied Physics Letters</i> , 2014, 105, 041101.	3.2	41
67	Visualization of Local Valence Structures in Quasi-One-Dimensional Halogen-Bridged Complexes $[\text{Ni}^{1-x}\text{Pd}^x(\text{chxn})_2\text{Br}]_2\text{Br}_2$ by STM. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3171-3175.	14.6	40
68	Optical Properties of a Vibrationally Modulated Solid State Mott Insulator. <i>Scientific Reports</i> , 2014, 4, 3823.	3.4	40
69	Multiple-Hydrogen-Bond Approach to Uncommon Pd(III) Oxidation State: A $\text{Pd}^{\text{III}}\text{Br}$ Chain with High Conductivity and Thermal Stability. <i>Journal of the American Chemical Society</i> , 2017, 139, 6562-6565.	14.5	40
70	Pressure-induced neutral-to-ionic phase transition in organic charge-transfer crystals of tetrathiafulvalene-p-benzoquinone derivatives. <i>Physical Review B</i> , 1989, 39, 10693-10701.	3.3	39
71	Ultrafast photoinduced melting of orbital order in LaVO ₃ . <i>Physical Review B</i> , 2003, 68, .	3.3	39
72	Novel ET-Coordinated Copper(I) Complexes: Syntheses, Structures, and Physical Properties (ET = Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50	4.2	38

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73	Enhancement of luminescence intensity in TMPY/perylene co-single crystals. <i>Journal of Materials Chemistry</i> , 2011, 21, 17662.	6.7	38
74	Tuning of electronic structures of quasi one-dimensional iodide-bridged dinuclear platinum mixed-valence complexes. <i>Coordination Chemistry Reviews</i> , 2006, 250, 2335-2346.	19.5	37
75	Gap junction signalling is a stress-regulated component of adrenal neuroendocrine stimulus-secretion coupling in vivo. <i>Nature Communications</i> , 2013, 4, 2938.	13.0	37
76	Excitation-Photon-Energy Selectivity of Photoconversions in Halogen-Bridged Pd-Chain Compounds: Mott Insulator to Metal or Charge-Density-Wave State. <i>Physical Review Letters</i> , 2014, 113, 096403.	8.0	37
77	Halogen-Bridged PtII/PtIV Mixed-Valence Ladder Compounds. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7214-7217.	14.6	36
78	Ultrafast photoinduced melting of spin-Peierls phase in the organic charge-transfer compounds alkali-tetracyanoquinodimethane. <i>Physical Review B</i> , 2007, 76, .	3.3	35
79	Ultrafast Charge Dynamics in One-Dimensional Organic Mott Insulators. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 113714.	1.6	35
80	Photoinduced switching between charge and orbital ordered insulator and ferromagnetic metal in perovskite manganites. <i>Physical Review B</i> , 2008, 77, .	3.3	35
81	Detecting charge and lattice dynamics in photoinduced charge-order melting in perovskite-type manganites using a 30-femtosecond time resolution. <i>Physical Review B</i> , 2009, 79, .	3.3	35
82	Third-order nonlinear susceptibility spectra of CuO chain compounds investigated by the Z-scan method. <i>Physical Review B</i> , 2004, 70, .	3.3	34
83	Dynamical Valence Fluctuation at the Charge-Density-Wave Phase Boundary in Iodide-Bridged Pt Compound [Pt(chxn)2]I2. <i>Journal of the American Chemical Society</i> , 2006, 128, 6420-6425.	14.5	34
84	Optical pump-probe spectroscopy of photocarriers in rubrene single crystals. <i>Physical Review B</i> , 2011, 83, .	3.3	34
85	Tuning the electronic structure from charge-transfer insulator to Mott-Hubbard and Peierls insulators in one-dimensional halogen-bridged mixed-metal compounds. <i>Physical Review B</i> , 2004, 70, .	3.3	33
86	Charge dynamics of $\text{Ca}_{2-x}\text{Na}_x\text{CuO}_2\text{Cl}_2$ as a correlated electron system with the ideal tetragonal lattice. <i>Physical Review B</i> , 2004, 70, .	3.3	32
87	Switching of Transfer Characteristics of an Organic Field-Effect Transistor by Phase Transitions: Sensitive Response to Molecular Dynamics and Charge Fluctuation. <i>Chemistry of Materials</i> , 2015, 27, 4441-4449.	6.9	32
88	Novel electronic ferroelectricity in an organic charge-order insulator investigated with terahertz-pump optical-probe spectroscopy. <i>Scientific Reports</i> , 2016, 6, 20571.	3.4	32
89	Terahertz-Field-Induced Large Macroscopic Polarization and Domain-Wall Dynamics in an Organic Molecular Dielectric. <i>Physical Review Letters</i> , 2017, 118, 107602.	8.0	32
90	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.	1.6	31

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91	F ₁₀ -BINOL-derived chiral phosphoric acid-catalyzed enantioselective carbonyl-ene reaction: theoretical elucidation of stereochemical outcomes. <i>Chemical Science</i> , 2019, 10, 1426-1433.	7.7	30
92	Three-Dimensional Structure of an Unsymmetrical Proton-Electron Transfer System Containing a Disulfide Bond: The Bis(4-hydroxy-phenyl)disulfide-Benzoquinone Complex. <i>Angewandte Chemie - International Edition</i> , 1992, 31, 852-854.	14.6	28
93	Dynamics of solitons and polarons in the quasi-one-dimensional MX chain compound [Pt(en) ₂][Pt(en) ₂](ClO ₄) ₄ s. <i>Physical Review B</i> , 1997, 55, 6330-6334.	3.3	28
94	Ferroelectric nature and real-space observations of domain motions in the organic charge-transfer compound tetrathiafulvalene- p -chloranil. <i>Physical Review B</i> , 2009, 80, .	3.3	28
95	Ultrafast Photoinduced Electric-Polarization Switching in a Hydrogen-Bonded Ferroelectric Crystal. <i>Physical Review Letters</i> , 2017, 118, 107404.	8.0	28
96	Direct Observation of Excitons and a Continuum of One-Dimensional Mott Insulators: A Reflection-Type Third-Harmonic-Generation Study of Ni-Halogen Chain Compounds. <i>Physical Review Letters</i> , 2005, 95, 087401.	8.0	27
97	Ultrafast Photoconversion from Charge Density Wave State to Mott-Hubbard State in One-Dimensional Extended Peierls-Hubbard System of Br-Bridged Pd Compound. <i>Journal of the Physical Society of Japan</i> , 2006, 75, 123701.	1.6	27
98	One-Dimensional Bromo-Bridged Ni ^{III} Complexes [Ni(S,S'-b) ₂ Br ₂] (S,S'-b = 2,3-diaminobutane): Synthesis, Physical Properties, and Electrostatic Carrier Doping. <i>Chemistry - A European Journal</i> , 2008, 14, 472-477.	3.8	27
99	Validity of the Mott formula and the origin of thermopower in π -conjugated semicrystalline polymers. <i>Physical Review B</i> , 2019, 100, .	3.3	27
100	Mixed Charge-Ordering State of MMX-Type Quasi-One-Dimensional Iodide-Bridged Platinum Complexes with Binary Counteranions. <i>Journal of the American Chemical Society</i> , 2008, 130, 17668-17669.	14.5	26
101	Ultrafast photoinduced transitions in charge density wave, Mott insulator, and metallic phases of an iodine-bridged platinum compound. <i>Physical Review B</i> , 2009, 79, .	3.3	26
102	Long Carbon-Carbon Bonding beyond 2 Å... in Tris(9-fluorenylidene)methane. <i>Journal of the American Chemical Society</i> , 2021, 143, 14360-14366.	14.5	26
103	[{Pt(en) ₂][PtX ₂ (en) ₂]} ₃ [(MX ₅ X ₃) ₂] _n ·xH ₂ O: Quasi-One-Dimensional Halogen-Bridged PtII-PtIV Mixed-Valence Compounds with Magnetic Counteranions. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4763-4767.	14.6	24
104	Water-Vapor-Induced Reversible Switching of Electronic States in an MMX-Type Chain Complex with Retention of Single Crystallinity. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 552-555.	14.6	24
105	Photocarrier dynamics in anatase TiO ₂ investigated by pump-probe absorption spectroscopy. <i>Journal of Applied Physics</i> , 2014, 115, .	2.3	24
106	Treatment of fracturing wastewater by anaerobic granular sludge: The short-term effect of salinity and its mechanism. <i>Bioresource Technology</i> , 2022, 345, 126538.	9.6	24
107	doublon-holon pairing mechanism via exchange interaction in two-dimensional cuprate Mott insulators. <i>Science Advances</i> , 2019, 5, eaav2187.	10.8	22
108	Electronic structures of quasi-one-dimensional halogen-bridged NiIII complexes with strong electron-correlations. <i>Coordination Chemistry Reviews</i> , 1999, 190-192, 309-330.	19.5	21

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109	Valence Fluctuation and Domain-Wall Dynamics in Pressure-Induced Neutral-to-Ionic Phase Transition of Organic Charge-Transfer Crystal. <i>Journal of the Physical Society of Japan</i> , 2005, 74, 2925-2928.	1.6	21
110	Relaxation Dynamics of Photoexcited Excitons in Rubrene Single Crystals Using Femtosecond Absorption Spectroscopy. <i>Physical Review Letters</i> , 2012, 109, 097403.	8.0	21
111	Ultrafast Electron and Molecular Dynamics in Photoinduced and Electric-Field-Induced Neutral-Ionic Transitions. <i>Crystals</i> , 2017, 7, 132.	2.3	21
112	Laser Pouch Motors: Selective and Wireless Activation of Soft Actuators by Laser-Powered Liquid-to-Gas Phase Change. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 4180-4187.	5.2	21
113	Delay-time modulation spectroscopy using a cw mode-locked Nd:YAG laser synchronized with the synchrotron radiation pulses (invited). <i>Review of Scientific Instruments</i> , 1989, 60, 1569-1572.	1.4	20
114	Ultrafast polarization and magnetization response of multiferroic GaFeO_3 time-resolved nonlinear optical techniques. <i>Physical Review B</i> , 2009, 79, .	3.3	20
115	Carrier dynamics of rubrene single-crystals revealed by transient broadband terahertz spectroscopy. <i>Applied Physics Letters</i> , 2014, 105, .	3.2	20
116	Bromide-bridged palladium($\text{Ni}(\text{chxn})_2\text{Br}$) chain complexes showing charge bistability near room temperature. <i>Chemical Communications</i> , 2014, 50, 8382-8384.	4.2	20
117	Probing ultrafast spin-relaxation and precession dynamics in a cuprate Mott insulator with seven-femtosecond optical pulses. <i>Nature Communications</i> , 2018, 9, 3948.	13.0	20
118	Photo-induced gap state in the Mott-Hubbard system of halogen-bridged Ni^{3+} complex ($\text{Ni}(\text{chxn})_2\text{Br}$). <i>Solid State Communications</i> , 1991, 77, 465-469.	1.9	19
119	Revisited phase diagram on charge instability and lattice symmetry breaking in the organic ferroelectric TTF-QCl_4 . <i>Physical Review B</i> , 2018, 98, .	3.3	19
120	Photo-Generation of Solitons and Polarons in the Quasi-1-D MX Compounds. <i>Progress of Theoretical Physics Supplement</i> , 1993, 113, 191-202.	0.1	18
121	Competition between electron correlation of NiII states and electron-phonon interaction of PdII-PdIV mixed-valence states in quasi-one-dimensional halogen-bridged mixed-metal complexes, $\text{Ni}^{1-x}\text{Pd}^x(\text{chxn})_2\text{Br}_3$. , 1997, , .		18
122	Tuning of Spin Density Wave Strengths in Quasi-One-Dimensional Halogen-Bridged NiII Complexes with Strong Electron Correlations, $[\text{Ni}(\text{chxn})_2\text{X}]_2\text{Y}_2$. <i>Inorganic Chemistry</i> , 1999, 38, 1894-1899.	4.2	18
123	Optical Control of the Magnetic Anisotropy of Ferromagnetic Bilayered Manganites. <i>Physical Review Letters</i> , 2007, 98, 017402.	8.0	18
124	Terahertz radiation induced by coherent phonon generation via impulsive stimulated Raman scattering in paratellurite. <i>Physical Review A</i> , 2014, 90, .	2.5	18
125	Optically Visible Phase Separation between Mott-Hubbard and Charge-Density-Wave Domains in a Pd-Br Chain Complex. <i>ChemistrySelect</i> , 2016, 1, 259-263.	1.7	18
126	Photogeneration of Solitons and Polarons in MX Chains. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 161-170.	0.3	17

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127	Third-order optical nonlinearity in charge-transfer-type conjugated polymers. <i>Physical Review B</i> , 2004, 70, .	3.3	17
128	Halogen-Bridged PtII/PtIV Mixed-Valence Ladder Compounds. <i>Angewandte Chemie</i> , 2006, 118, 7372-7375.	2.1	17
129	Role of Coulomb Interactions and Spin-Peierls Dimerizations in Neutral-to-Ionic Phase Transition Investigated by Femtosecond Reflection Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 073703.	1.6	17
130	Terahertz-field-driven sub-picosecond optical switching enabled by large third-order optical nonlinearity in a one-dimensional Mott insulator. <i>Applied Physics Letters</i> , 2013, 102, .	3.2	17
131	Large second-order optical nonlinearity in a ferroelectric molecular crystal of croconic acid with strong intermolecular hydrogen bonds. <i>Applied Physics Letters</i> , 2013, 102, .	3.2	17
132	Circularly polarized narrowband terahertz radiation from a eulytite oxide by a pair of femtosecond laser pulses. <i>Physical Review A</i> , 2014, 89, .	2.5	17
133	Temperature and carrier-density dependence of electron-hole scattering in silicon investigated by optical-pump terahertz-probe spectroscopy. <i>Physical Review B</i> , 2015, 91, .	3.3	17
134	Synthetic Method for 2,2'-Disubstituted Fluorinated Binaphthyl Derivatives and Application as Chiral Source in Design of Chiral Mono-Phosphoric Acid Catalyst. <i>Chirality</i> , 2015, 27, 464-475.	2.7	17
135	Terahertz Radiation Imaging of Ferroelectric Domain Topography in Room-Temperature Hydrogen-Bonded Supramolecular Ferroelectrics. <i>ACS Photonics</i> , 2015, 2, 1373-1383.	6.8	17
136	Optical Reflectivity Spectra of Incommensurate Layer Compounds, (CeS)1.2NbS2 and (CeS)0.6NbS2. <i>Journal of the Physical Society of Japan</i> , 1993, 62, 2166-2173.	1.6	16
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