

H Okamoto

List of Publications by Year in descending order

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386
papers

11,559
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28128

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403
all docs

403
docs citations

403
times ranked

12544
citing authors

#	ARTICLE	IF	CITATIONS
1	TRAM couples endocytosis of Toll-like receptor 4 to the induction of interferon- β . <i>Nature Immunology</i> , 2008, 9, 361-368.	13.9	1,087
2	Gigantic optical nonlinearity in one-dimensional Mott-Hubbard insulators. <i>Nature</i> , 2000, 405, 929-932.	36.2	335
3	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
4	First International Consensus on the diagnosis and management of fibromuscular dysplasia. <i>Vascular Medicine</i> , 2019, 24, 164-189.	2.0	253
5	Thermochromism in an organic crystal based on the coexistence of π - and π -dimers. <i>Nature Materials</i> , 2008, 7, 48-51.	26.6	218
6	Two-Step Spin Conversion in a Cyanide-Bridged Ferrous Square. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6484-6487.	14.8	186
7	Bottom-up realization of a porous metal-organic nanotubular assembly. <i>Nature Materials</i> , 2011, 10, 291-295.	26.6	184
8	Programmable spin-state switching in a mixed-valence spin-crossover iron grid. <i>Nature Communications</i> , 2014, 5, 3865.	13.2	181
9	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
10	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
11	Resonance Balance Shift in Stacks of Delocalized Singlet Biradicals. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5482-5486.	14.8	144
12	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.	14.6	143
13	Photoinduced phase transition in tetrathiafulvalene-p-chloranil observed in femtosecond reflection spectroscopy. <i>Physical Review B</i> , 2004, 70, .	3.3	138
14	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.	14.6	138
15	Quantum interference between charge excitation paths in a solid-state Mott insulator. <i>Nature Physics</i> , 2011, 7, 114-118.	11.8	137
16	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
17	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, and Ni). <i>Physical Review B</i> , 1990, 42, 10381-10387.	3.3	134
18	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

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19	Domain-wall dynamics in organic charge-transfer compounds with one-dimensional ferroelectricity. <i>Physical Review Letters</i> , 1989, 63, 2405-2408.	8.0	132
20	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
21	General Features of Photoinduced Spin Dynamics in Ferromagnetic and Ferrimagnetic Compounds. <i>Physical Review Letters</i> , 2005, 94, 087202.	8.0	129
22	Photosensitive Function of Encapsulated Dye in Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2007, 129, 4992-4997.	14.6	125
23	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
24	Phase separation drives RNA virus-induced activation of the NLRP6 inflammasome. <i>Cell</i> , 2021, 184, 5759-5774.e20.	27.8	124
25	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
26	Photoinduced transition from Mott insulator to metal in the undoped cuprates $\text{Nd}_{2-x}\text{Cu}_x\text{O}_{10}$. <i>Physical Review Letters</i> , 1998, 81, 017401.	3.3	102
27	Photogeneration of solitons and polarons in 1-D halogen-bridged metal complexes. <i>Physical Review Letters</i> , 1992, 69, 2248-2251.	8.0	100
28	Ultrafast modulation of polarization amplitude by terahertz fields in electronic-type organic ferroelectrics. <i>Nature Communications</i> , 2013, 4, 2586.	13.2	100
29	Ultrafast Photoinduced Insulator-Ferromagnet Transition in the Perovskite Manganite $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. <i>Physical Review Letters</i> , 2007, 96, 237401.	8.0	96
30	Ultrafast Charge Dynamics in Photoexcited $\text{Nd}_{2-x}\text{Cu}_x\text{O}_{10}$. <i>Physical Review Letters</i> , 2007, 96, 237401.	3.3	96
31	Electronic structure of the quasi-one-dimensional halogen-bridged Ni complexes $[\text{Ni}(\text{chxn})_2\text{X}]_2$ ($\text{X}=\text{Cl}, \text{Br}$) and related Ni compounds. <i>Physical Review B</i> , 1996, 54, 8438-8445.	3.3	94
32	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
33	Lattice QCD and the Timelike Pion Form Factor. <i>Physical Review Letters</i> , 2011, 107, 072002.	8.0	89
34	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
35	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
36	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

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37	Large Optical Nonlinearity of Semiconducting Single-Walled Carbon Nanotubes under Resonant Excitations. <i>Physical Review Letters</i> , 2005, 94, 047404.	8.0	80
38	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.	14.6	80
39	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
40	THz-Frequency Modulation of the Hubbard U in an Organic Mott Insulator. <i>Physical Review Letters</i> , 2015, 115, 187401.	8.0	70
41	Control of magnetic-field effect on electroluminescence in Alq3-based organic light emitting diodes. <i>Applied Physics Letters</i> , 2006, 88, 123501.	3.2	69
42	Ultrafast Phase Control in One-Dimensional Correlated Electron Systems. <i>Journal of the Physical Society of Japan</i> , 2006, 75, 011007.	1.6	67
43	Development of a Robust Model System of FRET using Base Surrogates Tethering Fluorophores for Strict Control of Their Position and Orientation within DNA Duplex. <i>Journal of the American Chemical Society</i> , 2013, 135, 741-750.	14.6	67
44	Linear and nonlinear optical properties of one-dimensional Mott insulators consisting of Ni-halogen chain and CuO-chain compounds. <i>Physical Review B</i> , 2004, 70, .	3.3	66
45	Submicron-scale spatial feature of ultrafast photoinduced magnetization reversal in TbFeCo thin film. <i>Applied Physics Letters</i> , 2009, 94, .	3.2	65
46	Photoinduced spin dynamics in La _{0.6} Sr _{0.4} MnO ₃ observed by time-resolved magneto-optical Kerr spectroscopy. <i>Physical Review B</i> , 2003, 68, .	3.3	64
47	Direct Detection of the Ultrafast Response of Charges and Molecules in the Photoinduced Neutral-to-Ionic Transition of the Organic Tetrathiafulvalene-Chloranil Solid. <i>Physical Review Letters</i> , 2010, 105, 258302.	8.0	64
48	Coherent Control of Charge and Lattice Dynamics in a Photoinduced Neutral-to-Ionic Transition of a Charge-Transfer Compound. <i>Physical Review Letters</i> , 2006, 96, 057403.	8.0	63
49	Charge Fluctuation in MMX Chain Compounds, A ₄ [Pt ₂ (pop) ₄] \cdot nH ₂ O. <i>Journal of the American Chemical Society</i> , 1999, 121, 2321-2322.	14.6	62
50	PET neuroimaging reveals histone deacetylase dysregulation in schizophrenia. <i>Journal of Clinical Investigation</i> , 2018, 129, 364-372.	8.2	60
51	Structure and Optical Properties of Thermochromic Schiff Bases. Charge Transfer Interaction and Proton Transfer in the N-Tetrachlorosalicylideneaniline and N-Tetrachlorosalicylidene-1-pyrenylamine Crystals. <i>Bulletin of the Chemical Society of Japan</i> , 1991, 64, 801-810.	3.3	58
52	Pressure-Dependent Relaxation in the Photoexcited Mott Insulator $TCNQ$. Influence of Hopping and Correlations on Quasiparticle Recombination Rates. <i>Physical Review Letters</i> , 2014, 112, 117801.	8.0	58
53	Ultrafast Optical Switching by using Nanocrystals of a Halogen-Bridged Nickel Chain Compound Dispersed in an Optical Polymer. <i>Advanced Materials</i> , 2007, 19, 2707-2710.	24.3	57
54	Near-infrared absorption of π -stacking columns composed of trioxotriangulene neutral radicals. <i>Npj Quantum Materials</i> , 2017, 2, .	5.2	57

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55	The Winds and Currents Mission Concept. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	57
56	Optical study of structural phase transition in organic charge-transfer crystals K- and Rb-tetracyanoquinodimethane. <i>Physical Review B</i> , 1987, 36, 3858-3867.	3.3	55
57	Nonlinear Magneto-Optical Kerr Rotation of an Oxide Superlattice with Artificially Broken Symmetry. <i>Physical Review Letters</i> , 2003, 90, 217403.	8.0	55
58	Tuning of Charge Density Wave Strengths by Competition between Electron-Phonon Interaction of PdII and PdIV 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 . <i>Inorganic Chemistry</i> , 1999, 38, 5124-5130.	4.2	54
59	Synthesis of a New Thiophene/Quinoxaline CT-Type Copolymer with High Solubility and Its Basic Optical Properties. <i>Macromolecular Rapid Communications</i> , 2003, 24, 440-443.	4.4	54
60	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
61	Association between fish consumption, dietary omega-3 fatty acids and persistent organic pollutants intake, and type 2 diabetes in 18 First Nations in Ontario, Canada. <i>Environmental Research</i> , 2017, 156, 725-737.	7.7	52
62	Mott transition by an impulsive dielectric breakdown. <i>Nature Materials</i> , 2017, 16, 1100-1105.	26.6	52
63	Definition, Incidence, and Challenges for Assessment of Hyperprogressive Disease During Cancer Treatment With Immune Checkpoint Inhibitors. <i>JAMA Network Open</i> , 2021, 4, e211136.	6.0	51
64	The Ferromagnetic Chain System catena-(1/4-CrO ₄ -O, O ²⁻)[NiII(cyclam)]·2H ₂ O. <i>Inorganic Chemistry</i> , 1997, 36, 3201-3203.	4.2	49
65	Third-order optical nonlinearity in regio-controlled polythiophene films. <i>Applied Physics Letters</i> , 2005, 87, 121902.	3.2	48
66	Multilayered Microspheres for the Controlled Release of Growth Factors in Tissue Engineering. <i>Biomacromolecules</i> , 2011, 12, 1494-1503.	5.6	48
67	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
68	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
69	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
70	Resonance Balance Shift in Stacks of Delocalized Singlet Biradicals. <i>Angewandte Chemie</i> , 2009, 121, 5590-5594.	2.1	44
71	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
72	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.	14.8	41

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73	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
74	Visualization of Local Valence Structures in Quasi-One-Dimensional Halogen-Bridged Complexes $[Ni_{1-x}Pd_x(chxn)_2Br]Br_2$ by STM. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3171-3175.	14.8	40
75	Optical Properties of a Vibrationally Modulated Solid State Mott Insulator. <i>Scientific Reports</i> , 2014, 4, 3823.	3.4	40
76	Fragility of Happiness Beliefs Across 15 National Groups. <i>Journal of Happiness Studies</i> , 2015, 16, 1185-1210.	3.4	40
77	Multiple-Hydrogen-Bond Approach to Uncommon Pd(III) Oxidation State: A μ -Br Chain with High Conductivity and Thermal Stability. <i>Journal of the American Chemical Society</i> , 2017, 139, 6562-6565.	14.6	40
78	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
79	Ultrafast photoinduced melting of orbital order in $LaVO_3$. <i>Physical Review B</i> , 2003, 68, .	3.3	39
80	Janus Photothermal Membrane as an Energy Generator and a Mass-Transfer Accelerator for High-Efficiency Solar-Driven Membrane Distillation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26861-26869.	8.3	39
81	Novel ET-Coordinated Copper(I) Complexes: Syntheses, Structures, and Physical Properties (ET = Tj ETQq1 1 0.784314 rgBT / Overlo	4.2	38
82	Enhancement of luminescence intensity in TMPY/perylene co-single crystals. <i>Journal of Materials Chemistry</i> , 2011, 21, 17662.	6.7	38
83	Tuning of electronic structures of quasi one-dimensional iodide-bridged dinuclear platinum mixed-valence complexes. <i>Coordination Chemistry Reviews</i> , 2006, 250, 2335-2346.	19.6	37
84	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
85	Halogen-Bridged PtII/PtIV Mixed-Valence Ladder Compounds. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7214-7217.	14.8	36
86	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
87	Ultrafast Charge Dynamics in One-Dimensional Organic Mott Insulators. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 113714.	1.6	35
88	Photoinduced switching between charge and orbital ordered insulator and ferromagnetic metal in perovskite manganites. <i>Physical Review B</i> , 2008, 77, .	3.3	35
89	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
90	Barriers and facilitators to participation in physical activity: The experiences of a group of South African adolescents with cerebral palsy. <i>Journal of Health Psychology</i> , 2016, 21, 152-163.	2.5	35

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91	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
92	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.	14.6	34
93	Optical pump-probe spectroscopy of photocarriers in rubrene single crystals. <i>Physical Review B</i> , 2011, 83, .	3.3	34
94	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
95	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
96	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
97	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
98	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
99	Search for W^+W^-Z resonance production in $\sqrt{s} = 13$ TeV pp collisions at the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.8	31
100	Acute Pain Services and Postsurgical Pain Management in the Netherlands: A Survey. <i>Pain Practice</i> , 2015, 15, 447-454.	2.0	30
101	10^5 BINOL-derived chiral phosphoric acid-catalyzed enantioselective carbonyl-ene reaction: theoretical elucidation of stereochemical outcomes. <i>Chemical Science</i> , 2019, 10, 1426-1433.	7.8	30
102	Long non-coding RNA HCG18 promotes M1 macrophage polarization through regulating the miR-146a/TRA6 axis, facilitating the progression of diabetic peripheral neuropathy. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 471-482.	3.1	30
103	Laboratory management of Crimean-Congo haemorrhagic fever virus infections: perspectives from two European networks. <i>Eurosurveillance</i> , 2019, 24, .	7.4	30
104	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 in English</i> , 1992, 31, 852-854.	4.9	28
105	Dynamics of solitons and polarons in the quasi-one-dimensional MX chain compound $[\text{Pt}(\text{en})_2][\text{Pt}(\text{en})_2\text{I}_2](\text{ClO}_4)_4$ s. <i>Physical Review B</i> , 1997, 55, 6330-6334.	3.3	28
106	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
107	Ultrafast Photoinduced Electric-Polarization Switching in a Hydrogen-Bonded Ferroelectric Crystal. <i>Physical Review Letters</i> , 2017, 118, 107404.	8.0	28
108	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

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109	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
110	One-Dimensional Bromo-Bridged Ni ^{III} Complexes [Ni(S,S'-b) ₂ Br ₂] (<i>S</i> , <i>S'</i> = 2,3-diaminobutane): Synthesis, Physical Properties, and Electrostatic Carrier Doping. <i>Chemistry - A European Journal</i> , 2008, 14, 472-477.	3.9	27
111	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
112	Development of an atmospheric chemistry model coupled to the PALM model system 6.0: implementation and first applications. <i>Geoscientific Model Development</i> , 2021, 14, 1171-1193.	3.7	27
113	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.	14.6	26
114	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
115	Long Carbon-Carbon Bonding beyond 2 Å... in Tris(9-fluorenylidene)methane. <i>Journal of the American Chemical Society</i> , 2021, 143, 14360-14366.	14.6	26
116	[[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.	14.8	24
117	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.	14.8	24
118	Photocarrier dynamics in anatase TiO ₂ investigated by pump-probe absorption spectroscopy. <i>Journal of Applied Physics</i> , 2014, 115, .	2.3	24
119	Spatial Re-Establishment Dynamics of Local Populations of Vectors of Chagas Disease. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e490.	2.4	22
120	Double-holon pairing mechanism via exchange interaction in two-dimensional cuprate Mott insulators. <i>Science Advances</i> , 2019, 5, eaav2187.	10.9	22
121	Dispersion state of CuO on CeO ₂ . <i>Science in China Series B: Chemistry</i> , 1997, 40, 24-30.	0.8	21
122	Electronic structures of quasi-one-dimensional halogen-bridged NiIII complexes with strong electron-correlations. <i>Coordination Chemistry Reviews</i> , 1999, 190-192, 309-330.	19.6	21
123	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
124	Relaxation Dynamics of Photoexcited Excitons in Rubrene Single Crystals Using Femtosecond Absorption Spectroscopy. <i>Physical Review Letters</i> , 2012, 109, 097403.	8.0	21
125	Ultrafast Electron and Molecular Dynamics in Photoinduced and Electric-Field-Induced Neutral-Ionic Transitions. <i>Crystals</i> , 2017, 7, 132.	2.3	21
126	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

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127	Delay-time modulation spectroscopy using a cw mode-locked Nd:YAG laser synchronized with the synchrotron radiation pulses (invited). Review of Scientific Instruments, 1989, 60, 1569-1572.	1.4	20
128	Does p53 immunostaining improve diagnostic accuracy in urine cytology?. Diagnostic Cytopathology, 1997, 17, 436-439.	1.1	20
129	Micro/nanoimprinting of glass under high temperature using a CVD diamond mold. Journal of Micromechanics and Microengineering, 2008, 18, 065013.	2.6	20
130	Ultrafast polarization and magnetization response of multiferroic GaFeO_3 time-resolved nonlinear optical techniques. Physical Review B, 2009, 79, .	3.3	20
131	Carrier dynamics of rubrene single-crystals revealed by transient broadband terahertz spectroscopy. Applied Physics Letters, 2014, 105, .	3.2	20
132	Bromide-bridged palladium ($\text{Pd}(\text{Br})_2$) chain complexes showing charge bistability near room temperature. Chemical Communications, 2014, 50, 8382-8384.	4.2	20
133	Probing ultrafast spin-relaxation and precession dynamics in a cuprate Mott insulator with seven-femtosecond optical pulses. Nature Communications, 2018, 9, 3948.	13.2	20
134	Maintenance and growth components of dark respiration rate in leaves of C3 and C4 plants as affected by leaf temperature. Biologia Plantarum, 1984, 26, 461-470.	1.9	19
135	Photo-induced gap state in the Mott-Hubbard system of halogen-bridged Ni^{3+} complex ($\text{Ni}(\text{chxn})_2\text{Br}_2$). Solid State Communications, 1991, 77, 465-469.	1.9	19
136	Cortisol regulates the paracrine action of macrophages by inducing vasoactive gene expression in endometrial cells. Journal of Leukocyte Biology, 2016, 99, 1165-1171.	3.3	19
137	Revisited phase diagram on charge instability and lattice symmetry breaking in the organic ferroelectric TTF-QCl_4 . Physical Review B, 2018, 98, .	3.3	19
138	Photo-Generation of Solitons and Polarons in the Quasi-1-D MX Compounds. Progress of Theoretical Physics Supplement, 1993, 113, 191-202.	0.1	18
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