Koichiro Tanaka

List of Publications by Year
in descending order

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324 papers	10,160 citations	38660 50 h-index	38300 95 g-index
358 all docs	358 docs citations	358 times ranked	8650 citing authors

#	Article	IF	Citations
1	Resonant and nonresonant control over matter and light by intense terahertz transients. Nature Photonics, 2013, 7, 680-690.	15.6	803
2	Single-cycle terahertz pulses with amplitudes exceeding 1 MV/cm generated by optical rectification in LiNbO3. Applied Physics Letters, 2011, 98, .	1.5	711
3	High-harmonic generation in graphene enhanced by elliptically polarized light excitation. Science, 2017, 356, 736-738.	6.0	460
4	Biochemical Studies on Liver Functions in Primary Cultured Hepatocytes of Adult Rats1. Journal of Biochemistry, 1978, 84, 937-946.	0.9	357
5	Ultrafast dynamics of nonequilibrium electrons in a gold nanoparticle system. Physical Review B, 1998, 57, 11334-11340.	1.1	259
6	Origin of the fast relaxation component of water and heavy water revealed by terahertz time-domain attenuated total reflection spectroscopy. Chemical Physics Letters, 2008, 464, 166-170.	1.2	234
7	Single-Laser-Shot-Induced Complete Bidirectional Spin Transition at Room Temperature in Single Crystals of (Fe^{II}(pyrazine)(Pt(CN)₄)). Journal of the American Chemical Society, 2008, 130, 9019-9024.	6.6	191
8	Extraordinary carrier multiplication gated by a picosecond electric field pulse. Nature Communications, 2011, 2, 594.	5.8	182
9	Nanoparticles of iron(ii) spin-crossover. Chemical Communications, 2008, , 4327.	2.2	172
10	Generation and detection of terahertz radiation by electro-optical process in GaAs using 1.56Î¼m fiber laser pulses. Applied Physics Letters, 2004, 85, 3974-3976.	1.5	162
11	Effect of structural variation within cationic azo-surfactant upon photoresponsive function in aqueous solution. Colloid and Polymer Science, 1994, 272, 1611-1619.	1.0	161
12	Attenuated Total Reflection Spectroscopy in Time Domain Using Terahertz Coherent Pulses. Japanese Journal of Applied Physics, 2004, 43, L1287-L1289.	0.8	159
13	Characterizing hydration state in solution using terahertz time-domain attenuated total reflection spectroscopy. Chemical Physics Letters, 2008, 457, 12-17.	1.2	148
14	Spin crossover and photomagnetism in dinuclear iron(II) compounds. Coordination Chemistry Reviews, 2007, 251, 1822-1833.	9.5	144
15	Ferroelectric Soft Mode in a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>Thin Film Impulsively Driven to the Anharmonic Regime Using Intense Picosecond Terahertz Pulses. Physical Review Letters, 2012, 108, 097401.	2.9	140
16	Terahertz time-domain attenuated total reflection spectroscopy in water and biological solution. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 27, 505-515.	0.6	136
17	Terahertz reflection spectroscopy of Debye relaxation in polar liquids [Invited]. Journal of the Optical Society of America B: Optical Physics, 2009, 26, A113.	0.9	133
18	Observation of phonon structures in porous Si luminescence. Physical Review Letters, 1993, 70, 3659-3662.	2.9	129

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19	Real-time terahertz near-field microscope. Optics Express, 2011, 19, 8277.	1.7	126
20	Ultrafast Carrier Dynamics in Graphene under a High Electric Field. Physical Review Letters, 2012, 109, 166603.	2.9	126
21	Structural colour using organized microfibrillation in glassy polymer films. Nature, 2019, 570, 363-367.	13.7	126
22	Localizing nature of photo-excited states in SrTiO3. Journal of Luminescence, 2000, 87-89, 1217-1219.	1.5	116
23	Long-Range Hydration Effect of Lipid Membrane Studied by Terahertz Time-Domain Spectroscopy. Physical Review Letters, 2011, 106, 158102.	2.9	113
24	Diabatic Mechanisms of Higher-Order Harmonic Generation in Solid-State Materials under High-Intensity Electric Fields. Physical Review Letters, 2016, 116, 016601.	2.9	110
25	Metal Dilution Effects on the Spin-Crossover Properties of the Three-Dimensional Coordination Polymer Fe(pyrazine)[Pt(CN)4]. Journal of Physical Chemistry B, 2005, 109, 14859-14867.	1.2	109
26	Photoinduced Phase Transition to a New Macroscopic Spin-Crossover-Complex Phase. Physical Review Letters, 2001, 86, 2886-2889.	2.9	107
27	The intermolecular stretching vibration mode in water isotopes investigated with broadband terahertz time-domain spectroscopy. Chemical Physics Letters, 2009, 473, 279-283.	1.2	107
28	Ultrafast Optical Switching in a Silver Nanoparticle System. Japanese Journal of Applied Physics, 2000, 39, 5132-5133.	0.8	105
29	THz Nonlinear Spectroscopy of Solids. IEEE Transactions on Terahertz Science and Technology, 2011, 1, 301-312.	2.0	103
30	Interband resonant high-harmonic generation by valley polarized electronâ€“hole pairs. Nature Communications, 2019, 10, 3709.	5.8	100
31	Ultrafast response of third-order optical nonlinearity in glasses containing Bi_2O_3. Optics Letters, 1996, 21, 1637.	1.7	98
32	Concerted Spin Crossover and Symmetry Breaking Yield Three Thermally and One Lightâ€Induced Crystallographic Phases of a Molecular Material. Angewandte Chemie - International Edition, 2009, 48, 9304-9307.	7.2	95
33	Giant Photo-Induced Dielectricity in SrTiO3. Journal of the Physical Society of Japan, 2003, 72, 41-44.	0.7	94
34	Photocatalytic deposition of metal ions onto TiO2 powder. Solar Energy, 1986, 36, 159-161.	2.9	93
35	Photoinduced spin transition probed by x-ray diffraction. Physical Review B, 2004, 69, .	1.1	93
36	Enhancement of terahertz wave generation by cascaded Ï‡^(2) processes in LiNbO_3. Journal of the Optical Society of America B: Optical Physics, 2009, 26, A101.	0.9	90

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37	Ladder Climbing on the Anharmonic Intermolecular Potential in an Amino Acid Microcrystal via an Intense Monocycle Terahertz Pulse. Physical Review Letters, 2010, 105, 203003.	2.9	87
38	Strong blue emission from Ti-doped crystals. Journal of Luminescence, 2005, 114, 155-161.	1.5	81
39	Selective Photoswitching of the Binuclear Spin Crossover Compound{[Fe(bt)(NCS)2]2(bpm)}into Two Distinct Macroscopic Phases. Physical Review Letters, 2005, 94, 107205.	2.9	81
40	Roles of High-Frequency Optical Phonons in the Physical Properties of the Conductive Delafossite PdCoO₂. Journal of the Physical Society of Japan, 2007, 76, 104701.	0.7	74
41	Excitonic interactions with intense terahertz pulses in ZnSe/ZnMgSSe multiple quantum wells. Physical Review B, 2010, 81, .	1.1	74
42	Real-Time, Subwavelength Terahertz Imaging. Annual Review of Materials Research, 2013, 43, 237-259.	4.3	70
43	Periodic metallo-dielectric structure in diamond. Optics Express, 2009, 17, 46.	1.7	67
44	Re-investigation of the spin crossover phenomenon in the ferrous complex [Fe(HB(pz)3)2]. New Journal of Chemistry, 2009, 33, 1283.	1.4	63
45	Nonlinear magnetization dynamics of antiferromagnetic spin resonance induced by intense terahertz magnetic field. New Journal of Physics, 2016, 18, 013045.	1.2	63
46	Third-order nonlinear optical properties of chalcogenide glasses. Applied Physics Letters, 1997, 70, 925-927.	1.5	60
47	Postâ€Crystal Engineering of Zincâ€Substituted Myoglobin to Construct a Longâ€Lived Photoinduced Chargeâ€Separation System. Angewandte Chemie - International Edition, 2011, 50, 4849-4852.	7.2	58
48	Nanoscale Selfâ€Hosting of Molecular Spinâ€States in the Intermediate Phase of a Spinâ€Crossover Material. Chemistry - A European Journal, 2010, 16, 14060-14068.	1.7	55
49	Aperiodic Spin State Ordering of Bistable Molecules and Its Photoinduced Erasing. Physical Review Letters, 2012, 109, 257206.	2.9	55
50	Photo-designed terahertz devices. Scientific Reports, 2011, 1, 121.	1.6	52
51	Ordering phenomena of high-spin/low-spin states in stepwise spin-crossover materials described by the ANNNI model. Physical Review B, 2016, 93, .	1.1	52
52	Interpretation of the temperature dependence of the luminescence intensity, lifetime, and decay profiles in porous Si. Physical Review B, 1994, 49, 11005-11009.	1.1	51
53	Broadband and high power terahertz pulse generation beyond excitation bandwidth limitation via Ï‡^(2) cascaded processes in LiNbO_3. Optics Express, 2009, 17, 11543.	1.7	49
54	Wavelength selective light-induced magnetic effects in the binuclear spin crossover compound{[Fe(bt)(NCS)2]2(bpym)}. Physical Review B, 2007, 75, .	1.1	48

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55	Biocompatible fluorescent silicon nanocrystals for single-molecule tracking and fluorescence imaging. Journal of Cell Biology, 2013, 202, 967-983.	2.3	48
56	Lattice phonon modes of the spin crossover crystal [Fe(phen)2(NCS)2] studied by THz, IR, Raman spectroscopies and DFT calculations. European Physical Journal B, 2019, 92, 1.	0.6	47
57	Antiferromagnetic resonance excitation by terahertz magnetic field resonantly enhanced with split ring resonator. Applied Physics Letters, 2014, 105, .	1.5	44
58	Hydration state inside HeLa cell monolayer investigated with terahertz spectroscopy. Applied Physics Letters, 2015, 106, .	1.5	44
59	Observation of Toroidal Flow Antiparallel to theã€ˆErÃ—BÎ¸ã€‰Drift Direction in the Hot Electron Mode Plasmas in the Compact Helical System. Physical Review Letters, 2001, 86, 3040-3043.	2.9	43
60	Transfer of orbital angular momentum of light to plasmonic excitations in metamaterials. Science Advances, 2020, 6, eaay1977.	4.7	43
61	Bidirectional photo-switching of the spin state of iron(II) ions in a triazol based spin crossover complex within the thermal hysteresis loop. Chemical Physics Letters, 2009, 477, 156-159.	1.2	42
62	Near-field THz imaging of free induction decay from a tyrosine crystal. Optics Express, 2010, 18, 18419.	1.7	41
63	Destructive interference effect on surface plasmon resonance in terahertz attenuated total reflection. Optics Express, 2005, 13, 10801.	1.7	40
64	Improving time and space resolution in electro-optic sampling for near-field terahertz imaging. Optics Letters, 2016, 41, 4645.	1.7	40
65	Decay time measurements of intrinsic luminescence in alkali halides using single-bunched light pulses from UVSOR. Physica Scripta, 1990, 41, 120-123.	1.2	35
66	Dynamical Franzâ€“Keldysh effect in GaAs/AlGaAs multiple quantum wells induced by single-cycle terahertz pulses. Applied Physics Letters, 2010, 97, .	1.5	35
67	Impact ionization dynamics in silicon by MV/cm THz fields. New Journal of Physics, 2017, 19, 123018.	1.2	35
68	Modification of Porous Protein Crystals in Development of Biohybrid Materials. Bioconjugate Chemistry, 2010, 21, 264-269.	1.8	34
69	High-Order Harmonic Generation and Its Unconventional Scaling Law in the Mott-Insulating <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ca</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ Physical Review Letters, 2022, 128, 127401.	2.9	30
70	Mechanism of a Terahertz Optical Kerr Shutter with a Gold Nanoparticle System. Journal of the Physical Society of Japan, 1999, 68, 3810-3812.	0.7	29
71	Mimicking electromagnetically induced transparency by spoof surface plasmons. Physical Review B, 2011, 84, .	1.1	29
72	Subcycle Optical Response Caused by a Terahertz Dressed State with Phase-Locked Wave Functions. Physical Review Letters, 2016, 117, 277402.	2.9	29

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73	Focusing light with orbital angular momentum by circular array antenna. Optics Express, 2017, 25, 13728.	1.7	29
74	Critical behaviors of photoinduced giant permittivity in potassium tantalate. Physical Review B, 2003, 67, .	1.1	28
75	Higher-order harmonic generation caused by elliptically polarized electric fields in solid-state materials. Physical Review B, 2016, 94, .	1.1	28
76	Reconsideration of the relaxational and vibrational line shapes of liquid water based on ultrabroadband dielectric spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 26200-26209.	1.3	28
77	Focus on nonlinear terahertz studies. New Journal of Physics, 2014, 16, 045016.	1.2	27
78	Transition from L mode to high ion temperature mode in CHS heliotron/torsatron plasmas. Nuclear Fusion, 1999, 39, 1649-1658.	1.6	26
79	Nonlinear Optical Phenomena Induced by Intense Single-Cycle Terahertz Pulses. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 8401110-8401110.	1.9	26
80	Determination of intervalley scattering time in germanium by subpicosecond time-resolved Raman spectroscopy. Physical Review Letters, 1993, 71, 1935-1938.	2.9	25
81	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
82	Cooperativity between Water and Lipids in Lamellar to Inverted-Hexagonal Phase Transition. Journal of the Physical Society of Japan, 2014, 83, 044801.	0.7	25
83	Visualization of two-dimensional transition dipole moment texture in momentum space using high-harmonic generation spectroscopy. Physical Review B, 2021, 103, .	1.1	25
84	Decoupling of the molecular spin-state and the crystallographic phase in the spin-crossover complex [Fe(ptz)6](BF4)2 studied by Raman spectroscopy. Chemical Physics Letters, 2005, 402, 503-509.	1.2	24
85	Evaluation of effective electric permittivity and magnetic permeability in metamaterial slabs by terahertz time-domain spectroscopy. Optics Express, 2008, 16, 4785.	1.7	24
86	Terahertz spectroscopy of the reactive and radiative near-field zones of split ring resonator. Optics Express, 2012, 20, 19395.	1.7	24
87	Ultrafast carrier relaxation through Auger recombination in the topological insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mrow><mml:mn>1.5</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">b</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:mi	1.1	24
88	Dynamical Nonlinear Interactions of Solids with Strong Terahertz Pulses. Journal of the Physical Society of Japan, 2016, 85, 082001.	0.7	24
89	Persistent spectral hole-burning of Pr3+ ions in yttria stabilized zirconia: a new hole-burning material. Optics Communications, 1991, 86, 45-50.	1.0	23
90	Femtosecond Optical Kerr Effect in the Gold Nanoparticle System. Japanese Journal of Applied Physics, 1998, 37, L1520-L1522.	0.8	23

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91	Direct observation of the soft-mode dispersion in the incipient ferroelectricKTaO3. Physical Review B, 2005, 71, .	1.1	23
92	Microstructure of the LiCoO2 (cathode)/La2/3â^'xLi3xTiO3 (electrolyte) interface and its influences on the electrochemical properties. Acta Materialia, 2007, 55, 4713-4722.	3.8	23
93	Electric field ionization of gallium acceptors in germanium induced by single-cycle terahertz pulses. Physical Review B, 2013, 87, .	1.1	22
94	Homogeneous line width of Praseodymium ions in various inorganic materials. Journal of Luminescence, 1994, 58, 184-187.	1.5	21
95	Photogenerated Carriers in SrTiO3Probed by Mid-Infrared Absorption. Journal of the Physical Society of Japan, 2006, 75, 023703.	0.7	21
96	Effects of disorder and scaling of optical conductivity in Nd0.5Ca0.5â^'xBaxMnO3 (x=0 and 0.02) thin films as observed by terahertz time-domain spectroscopy. Applied Physics Letters, 2008, 93, 231908.	1.5	21
97	Transition of the hydration state of a surfactant accompanying structural transitions of self-assembled aggregates. Journal of Physics Condensed Matter, 2012, 24, 284113.	0.7	21
98	Defect structures in TaSi2 thin films produced by co-sputtering. Acta Materialia, 2003, 51, 2285-2296.	3.8	20
99	Hydration structures of 2-butoxyethanol monomer and micelle in solution. Chemical Physics Letters, 2009, 477, 95-101.	1.2	20
100	Ultrafast Control of the Polarity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>BiCoO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow> by Orbital Excitation as Investigated by Femtosecond Spectroscopy. Physical Review Applied, 2017, 7, .	1.5	20
101	Control of High-Harmonic Generation by Tuning the Electronic Structure and Carrier Injection. Nano Letters, 2020, 20, 6215-6221.	4.5	20
102	Extremely Thin Metamaterial as Slab Waveguide at Terahertz Frequencies. IEEE Transactions on Terahertz Science and Technology, 2011, 1, 441-449.	2.0	19
103	Correlated lifetimes of free paraexcitons and excitons trapped at oxygen vacancies in cuprous oxide. Journal of Luminescence, 2013, 134, 524-527.	1.5	19
104	Photo-induced phase transitions probed by X-ray absorption spectroscopy: Fe(II) spin crossover complex. Journal of Physics and Chemistry of Solids, 2004, 65, 1485-1489.	1.9	18
105	Synchrotron radiation study of photo-induced spin-crossover transitions: Microscopic origin of nonlinear phase transition. Journal of Luminescence, 2006, 119-120, 361-369.	1.5	18
106	Direct creation of a photoinduced metallic structure and its optical properties in the terahertz frequency region. Optics Letters, 2010, 35, 1719.	1.7	18
107	Mechanism of Photoinduced Dielectric Response in Ferroelectric Sr_{1-x}Ca_xTiO₃. Journal of the Physical Society of Japan, 2008, 77, 054704.	0.7	17
108	Temporal decoupling of spin and crystallographic phase transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Fe</mml:mtext><mml:msub><mml:mrow><mml:mrow><mml:mo>(Physical Review B, 2009, 79, .	1.1	17

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109	Zener Tunneling Breakdown in Phase-Change Materials Revealed by Intense Terahertz Pulses. Physical Review Letters, 2018, 121, 165702.	2.9	17
110	Evaluation of a terahertz wave spectrum and construction of a terahertz wave-sensing system using a Yb-doped fiber laser. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2006.	0.9	16
111	Terahertz-Induced Optical Emission of Photoexcited Undoped GaAs Quantum Wells. Physical Review Letters, 2013, 111, 067401.	2.9	16
112	Adaptable Ultraviolet Reflecting Polymeric Multilayer Coatings of High Refractive Index Contrast. Advanced Optical Materials, 2015, 3, 1633-1639.	3.6	16
113	Exciton lifetime and diffusion length in high-purity chemical-vapor-deposition diamond. Diamond and Related Materials, 2016, 63, 47-50.	1.8	16
114	Coexistence of Kosmotropic and Chaotropic Impacts of Urea on Water As Revealed by Terahertz Spectroscopy. Journal of Physical Chemistry B, 2018, 122, 1268-1277.	1.2	16
115	Nonlocal optical response of weakly confined excitons in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml:mathvariant="normal">O</mml:mi></mml:mrow></mml:math> mesoscopic films. Physical Review B, 2018, 97, .	1.1	16
116	Study of detailed balance between excitons and free carriers in diamond using broadband terahertz time-domain spectroscopy. Applied Physics Letters, 2020, 116, .	1.5	16
117	Pump and probe X-ray absorption fine structure using high-brilliance photon sources. Journal of Synchrotron Radiation, 1998, 5, 1001-1003.	1.0	15
118	Initial long-pulse plasma heating at reduced power with negative-ion-based neutral beam injector in large helical device. Review of Scientific Instruments, 1999, 70, 4260-4265.	0.6	15
119	Photo-induced polaron states in strontium titanate. Journal of Luminescence, 2001, 94-95, 15-18.	1.5	15
120	Time-resolved observation of coherent excitonic nonlinear response with a table-top narrowband THz pulse wave. Applied Physics Letters, 2015, 107, 221106.	1.5	15
121	Subpicosecond hot-hole relaxation in germanium studied by time-resolved inter-valence-band Raman scattering. Physical Review B, 1995, 52, 10709-10712.	1.1	14
122	Laser oscillation of a Nd3+-doped fluoride glass microsphere. Journal of Materials Science Letters, 1996, 15, 1854.	0.5	14
123	Tuning of Multi-Instabilities in Organic Alloy, [(EDO-TTF)_{1â^'x}(MeEDO-TTF)_x]₂PF₆. Chemistry of Materials, 2010, 22, 3121-3132.	3.2	14
124	Emission from the Higher Members of Exciton (n=2, 3 and 4) in Î²-ZnP2. Journal of the Physical Society of Japan, 1995, 64, 3506-3513.	0.7	14
125	Characterization of thin-film optical properties by THz near-field imaging method. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2593.	0.9	14
126	Infrared Study of Spin Crossover Feâ€“Picolylamine Complex. Journal of the Physical Society of Japan, 2004, 73, 1355-1361.	0.7	13

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127	Relaxation process from photoinduced states of double-step spin-crossover systems using a kinetic two-sublattice Ising-like model including intra-site coupling. Physical Review B, 2008, 78, .	1.1	13
128	Photo-Control of Excitation Waves in Cardiomyocyte Tissue Culture. Tissue Engineering - Part A, 2011, 17, 2703-2711.	1.6	13
129	Biexciton state causes photoluminescence fluctuations in CdSe/ZnS core/shell quantum dots at high photoexcitation densities. Physical Review B, 2013, 88, .	1.1	13
130	Relaxation of localized excitons by phonon emission at oxygen vacancies in Cu2O. Journal of Luminescence, 2014, 155, 65-69.	1.5	13
131	Lattice Relaxation of Self-Trapped Excitons in Binary Mixed Crystals of KCl and KBr. Journal of the Physical Society of Japan, 1990, 59, 1474-1487.	0.7	13
132	Electron beam exposure system for integrated circuits. Microelectronics Reliability, 1969, 8, 101-IN12.	0.9	12
133	Dynamical separation of spin and lattice degrees of freedom in the relaxation process from the photo-induced state. Europhysics Letters, 2011, 96, 17004.	0.7	12
134	Competing Symmetry Breaking and Spin Crossover in [FeH₂L^{2â€“Me}](ClO₄)₂. European Journal of Inorganic Chemistry, 2013, 2013, 710-715.	1.0	12
135	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
136	Observation of an exotic state of water in the hydrophilic nanospace of porous coordination polymers. Communications Chemistry, 2020, 3, .	2.0	12
137	Resonant Secondary Emission and Its Excitation Energy Dependence in Monoclinic Zinc Diphosphide. Journal of the Physical Society of Japan, 1994, 63, 4249-4255.	0.7	11
138	Two Types of Self-Trapped Excitons in a Quasi-One-Dimensional Crystal Piperidinium Tribromoplumbate. Journal of the Physical Society of Japan, 2002, 71, 971-977.	0.7	11
139	Influence of lattice polarizability on interacting Li-induced dipoles distributed in incipient ferroelectric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>KTaO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:math> Physical Review B, 2008, 77, .	1.1	11
140	Ultrahigh exciton diffusion in intrinsic diamond. Physical Review B, 2015, 92, .	1.1	11
141	High-Speed Third-Order Nonlinear Optical Response Using Organic Solutions. Journal of Physical Chemistry A, 1998, 102, 674-676.	1.1	10
142	Modification of vibrational selection rules in the photoinduced spin-crossover phase. Physical Review B, 2004, 69, .	1.1	10
143	On the Photomagnetic Properties of the Binuclear Spin Crossover Complexes {[Fe(bt)(NCSe)2]2(bpym)} and {[Fe(bpym)(NCSe)2]2(bpym)}. Journal of Inorganic and Organometallic Polymers and Materials, 2008, 18, 195-200.	1.9	10
144	Resonant creation of indirect excitons in diamond at the phonon-assisted absorption edge. Europhysics Letters, 2013, 104, 47012.	0.7	10

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145	Dynamical symmetry of strongly light-driven electronic system in crystalline solids. Communications Physics, 2020, 3, .	2.0	10
146	Injection locking and noise reduction of resonant tunneling diode terahertz oscillator. APL Photonics, 2021, 6, .	3.0	10
147	Resonant inter-valence-band Raman scattering of photoexcited holes in germanium. Physical Review B, 1994, 50, 10694-10701.	1.1	9
148	Valence-Band Structures of Quasi-One-Dimensional Crystals C5H10NH2PbX3[X = I, Br]. Journal of the Physical Society of Japan, 2002, 71, 2730-2735.	0.7	9
149	Resonant phase jump with enhanced electric field caused by surface phonon polariton in terahertz region. Optics Express, 2008, 16, 5633.	1.7	9
150	Transmission properties of surface plasmon polaritons and localized resonance in semiconductor hole arrays. Applied Physics Letters, 2010, 97, 261111.	1.5	9
151	Ultrafast dynamics of soft phonon modes in perovskite dielectrics observed by coherent phonon spectroscopy. Physical Review B, 2011, 83, .	1.1	9
152	Improving Spatial Resolution of Real-Time Terahertz Near-Field Microscope. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 1043-1051.	1.2	9
153	Real-time visualization of cardiac cell beating behaviour on polymer diffraction gratings. RSC Advances, 2017, 7, 51121-51129.	1.7	9
154	Superradiance-to-Polariton Crossover of Wannier Excitons with Multiple Resonances. Physical Review Letters, 2018, 121, 173604.	2.9	9
155	Terahertz microscopy assisted by semiconductor nonlinearities. Optics Letters, 2018, 43, 4997.	1.7	9
156	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
157	Terahertz full horn-antenna characterization. Applied Physics Letters, 2013, 102, .	1.5	8
158	Development of railgun accelerator at NCLI. IEEE Transactions on Magnetics, 1986, 22, 1785-1789.	1.2	7
159	SYMMETRY LOWERING IN THE PHOTOINDUCED PHASE IN SPIN-CROSSOVER COMPLEXES. International Journal of Modern Physics B, 2001, 15, 3709-3713.	1.0	7
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