

# Katsuhisa Tanaka

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134 papers	2,459 citations	28 h-index	45 g-index
138 ext. papers	2,807 ext. citations	4.4 avg, IF	4.88 L-index

#	Paper	IF	Citations
134	Microstructure and Faraday effect of Tb <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glasses for fiber-based magneto-optical applications. <i>Journal of the American Ceramic Society</i> , <b>2022</b> , 105, 1198	3.8	1
133	Fabrication of Flexible Sticker of Si Metasurfaces by a Transfer Process. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , <b>2022</b> , 69, 87-90	0.2	
132	Improving Metasurface Performance by Nano Metallurgy Process. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , <b>2022</b> , 69, 63-67	0.2	
131	Loss Control with Annealing and Lattice Kerker Effect in Silicon Metasurfaces. <i>Advanced Photonics Research</i> , <b>2022</b> , 3, 2100235	1.9	0
130	Plasmonic metal enhanced broadband near-infrared emission from a transparent nano-glass composite containing hybrid Ag@metal/EGa <sub>2</sub> O <sub>3</sub> :Ni <sup>2+</sup> nanocrystals. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 15918-15926	7.1	1
129	Extreme thermal anisotropy in high-aspect-ratio titanium nitride nanostructures for efficient photothermal heating. <i>Nanophotonics</i> , <b>2021</b> , 10, 1487-1494	6.3	3
128	Up-conversion Luminescence Enhanced by the Plasmonic Lattice Resonating at the Transparent Window of Water. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 2999-3007	6.1	1
127	Oxidation pathway to the titanium dioxide metasurface for harnessing photoluminescence. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 163101	2.5	2
126	Evidence of the retardation effect on the plasmonic resonances of aluminum nanodisks in the symmetric/asymmetric environment. <i>Optics Express</i> , <b>2021</b> , 29, 14799-14814	3.3	0
125	Unique octahedral rotation pattern in the oxygen-deficient Ruddlesden-Popper compound GdBaFeO. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2021</b> , 77, 286-290	0.8	
124	Photoluminescence from an emitter layer sandwiched between the stack of metasurfaces. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 183101	2.5	3
123	Aluminum for Near Infrared Plasmonics: Amplified Up-Conversion Photoluminescence from Core@Shell Nanoparticles on Periodic Lattices. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2001040	8.1	11
122	Stick-and-play metasurfaces for directional light outcoupling. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 021110	3.4	4
121	Mechanical Manipulation of a Fiber-Optical Microprobe Fabricated from Oxide Glasses with Magnetic Force Response. <i>Advanced Photonics Research</i> , <b>2021</b> , 2, 2000100	1.9	3
120	Perovskite-Type CuNbO <sub>3</sub> Exhibiting Unusual Noncollinear Ferrielectric to Collinear Ferroelectric Dipole Order Transition. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 5016-5027	9.6	4
119	Magnetic properties of epitaxial TmFe <sub>2</sub> O <sub>4</sub> thin films with an anomalous interfacial structure. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 11704-11714	7.1	1
118	Layered Double Hydroxide Nanosheets on Plasmonic Arrays of Al Nanocylinders for Optical Sensing. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 5838-5845	5.6	5

117	Optical Responses of Localized and Extended Modes in a Mesoporous Layer on Plasmonic Array to Isopropanol Vapor. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 5772-5779	3.8	2
116	Enhancing upconversion photoluminescence by plasmonic-photonic hybrid mode. <i>Optics Express</i> , <b>2020</b> , 28, 886-897	3.3	12
115	Plasmonic Enhancement of Upconversion Photoluminescence from CaF <sub>2</sub> : Er <sup>3+</sup> , Yb <sup>3+</sup> Nanoparticles on TiN Nanoantennas. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , <b>2020</b> , 67, 140-145	0.2	1
114	Spin glass transition of single-crystalline TmFeO. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 405801	1.8	
113	Magnetic and electrical properties of LuFe <sub>2</sub> O <sub>4</sub> epitaxial thin films with a self-assembled interface structure. <i>CrystEngComm</i> , <b>2020</b> , 22, 1096-1105	3.3	7
112	Improving the Plasmonic Response of Silver Nanoparticle Arrays via Atomic Layer Deposition Coating and Annealing above the Melting Point. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 27687-27693	3.8	5
111	Durable BaO–Nb <sub>2</sub> O <sub>5</sub> glass with small stress-induced birefringence for lead-free polarization light-controlling devices. <i>International Journal of Applied Glass Science</i> , <b>2020</b> , 11, 27-34	1.8	1
110	Growth of Single-Crystalline RFe <sub>2</sub> O <sub>4</sub> (R = Y, Tm, Yb) by the Floating Zone Melting Method in a Mixture of N <sub>2</sub> , H <sub>2</sub> , and CO <sub>2</sub> Gases and Magnetic Properties of the Compounds. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 5498-5504	3.5	3
109	Phase-Selective Distribution of Eu <sup>2+</sup> and Eu <sup>3+</sup> in Oxide and Fluoride Crystals in Glass-Ceramics for Warm White-Light-Emitting Diodes. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 961-971	4	19
108	Comparison of directionally outcoupled photoluminescences from luminous layers on Si and Al nanocylinder arrays. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 133101	2.5	6
107	A-site cation size effect on oxygen octahedral rotations in acentric Ruddlesden-Popper alkali rare-earth titanates. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	6
106	Photoluminescence decay rate of an emitter layer on an Al nanocylinder array: effect of layer thickness. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2019</b> , 36, E1	1.7	9
105	Temperature sensing of a plasmonic nanocylinder array by a polymer film containing chameleon complex. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2019</b> , 36, E15	1.7	6
104	Thermal oxidation of TiN nanocylinder arrays: effects of insulator coatings by atomic layer deposition. <i>Optical Materials Express</i> , <b>2019</b> , 9, 4751	2.6	4
103	Surface-Enhanced Infrared Absorption for the Periodic Array of Indium Tin Oxide and Gold Microdiscs: Effect of in-Plane Light Diffraction. <i>ACS Photonics</i> , <b>2018</b> , 5, 2602-2608	6.3	8
102	Large Faraday effect of borate glasses with high Tb <sup>3+</sup> content prepared by containerless processing. <i>Optical Materials</i> , <b>2018</b> , 76, 174-177	3.3	19
101	Enhanced Photoluminescence from Organic Dyes Coupled to Periodic Array of Zirconium Nitride Nanoparticles. <i>ACS Photonics</i> , <b>2018</b> , 5, 3057-3063	6.3	10
100	Enhanced photoluminescence and directional white-light generation by plasmonic array. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 213105	2.5	18

99	Hybrid Improper Ferroelectricity in (Sr,Ca)SnO and Beyond: Universal Relationship between Ferroelectric Transition Temperature and Tolerance Factor in n = 2 Ruddlesden-Popper Phases. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 15690-15700	16.4	45
98	Demonstration of temperature-plateau superheated liquid by photothermal conversion of plasmonic titanium nitride nanostructures. <i>Nanoscale</i> , <b>2018</b> , 10, 18451-18456	7.7	18
97	Ferroelectric Sr3Zr2O7: Competition between Hybrid Improper Ferroelectric and Antiferroelectric Mechanisms. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1801856	15.6	57
96	Pulse-based electron spin transient nutation measurement of BaTiO3 fine particle: Identification of controversial signal around g = 2.00. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 202902	3.4	3
95	Plasmonic-Photonic Hybrid Modes Excited on a Titanium Nitride Nanoparticle Array in the Visible Region. <i>ACS Photonics</i> , <b>2017</b> , 4, 815-822	6.3	23
94	Effect of Cylinder Height on Directional Photoluminescence from Highly Luminous Thin Films on Periodic Plasmonic Arrays. <i>MRS Advances</i> , <b>2017</b> , 2, 173-178	0.7	1
93	Competing Structural Instabilities in the Ruddlesden-Popper Derivatives HRTiO4 (R = Rare Earths): Oxygen Octahedral Rotations Inducing Noncentrosymmetry and Layer Sliding Retaining Centrosymmetry. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 656-665	9.6	19
92	Perovskite-Type InCoO with Low-Spin Co: Effect of In-O Covalency on Structural Stabilization in Comparison with Rare-Earth Series. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 11113-11122	5.1	4
91	Faraday effect of polycrystalline bismuth iron garnet thin film prepared by mist chemical vapor deposition method. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 422, 100-104	2.8	5
90	Preparation of Nb-doped Anatase Type TiO2 Epitaxial Thin Films and Excitation of Surface Plasmon Polaritons. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , <b>2017</b> , 64, 23-27	0.2	
89	Enhancement of photoluminescence of glass phosphor by nanoimprint of moth-eye structure. <i>Journal of the Ceramic Society of Japan</i> , <b>2017</b> , 125, 766-769	1	1
88	LiNbO3-Type InFeO3: Room-Temperature Polar Magnet without Second-Order Jahn-Teller Active Ions. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 6644-6655	9.6	33
87	ZnTaON: Stabilized High-Temperature LiNbO-type Structure. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15950-15955	16.4	22
86	Mesoporous silica layer on plasmonic array: light trapping in a layer with a variable index of refraction. <i>Optical Materials Express</i> , <b>2016</b> , 6, 2736	2.6	5
85	Fabrication of cerium-doped yttrium aluminum garnet thin films by a mist CVD method. <i>Journal of Luminescence</i> , <b>2016</b> , 170, 808-811	3.8	8
84	Random Laser Oscillation with Low Threshold and Optical Microresonator Based on Nanostructured Metals. <i>The Review of Laser Engineering</i> , <b>2016</b> , 44, 527	0	
83	Improper Inversion Symmetry Breaking and Piezoelectricity through Oxygen Octahedral Rotations in Layered Perovskite Family, LiRTiO4 (R = Rare Earths). <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500196	6.4	25
82	Plasmonic arrays of titanium nitride nanoparticles fabricated from epitaxial thin films. <i>Optics Express</i> , <b>2016</b> , 24, 1143-53	3.3	34

81	The relationship between magneto-optical properties and molecular chirality. <i>NPG Asia Materials</i> , <b>2016</b> , 8, e251-e251	10.3	8
80	A labile hydride strategy for the synthesis of heavily nitridized BaTiO <sub>3</sub> . <i>Nature Chemistry</i> , <b>2015</b> , 7, 1017-23	7.6	87
79	Electrical Properties of Epitaxial Thin Films of Oxyhydrides ATiO <sub>3-x</sub> H <sub>x</sub> (A = Ba and Sr). <i>Chemistry of Materials</i> , <b>2015</b> , 27, 6354-6359	9.6	37
78	Terbium Oxide, Fluoride, and Oxyfluoride Nanoparticles with Magneto-optical Properties. <i>Bulletin of the Chemical Society of Japan</i> , <b>2015</b> , 88, 1453-1458	5.1	4
77	Errata:Enhanced Faraday Effect in Porous Iron Oxide Thin Films Coupled to Localized Surface Plasmon Resonances. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , <b>2015</b> , 62, 216_2	0.2	
76	MnTaO <sub>2</sub> N: Polar LiNbO <sub>3</sub> -type Oxynitride with a Helical Spin Order. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 526-531	5.1	9
75	Rattling in the Quadruple Perovskite CuCu <sub>3</sub> V <sub>4</sub> O <sub>12</sub> . <i>Angewandte Chemie</i> , <b>2015</b> , 127, 11020-11024	3.6	
74	Rattling in the Quadruple Perovskite CuCu <sub>3</sub> V <sub>4</sub> O <sub>12</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 10870-4	16.4	18
73	Enhanced Faraday Effect in Porous Iron Oxide Thin Films Coupled to Localized Surface Plasmon Resonances. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , <b>2015</b> , 62, 18-26	0.2	0
72	Inversion symmetry breaking by oxygen octahedral rotations in the Ruddlesden-Popper NaRTiO <sub>4</sub> family. <i>Physical Review Letters</i> , <b>2014</b> , 112, 187602	7.4	45
71	Substrate-induced anion rearrangement in epitaxial thin films of LaSrCoO <sub>4-x</sub> H <sub>x</sub> . <i>CrystEngComm</i> , <b>2014</b> , 16, 9669-9674	3.3	17
70	Room-temperature polar ferromagnet ScFeO <sub>3</sub> transformed from a high-pressure orthorhombic perovskite phase. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 15291-9	16.4	56
69	Accelerated discovery of cathode materials with prolonged cycle life for lithium-ion battery. <i>Nature Communications</i> , <b>2014</b> , 5, 4553	17.4	86
68	Enhancement of optical Faraday effect of nonanuclear Tb(III) complexes. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 7635-41	5.1	19
67	Wavelength-tunable spasing in the visible. <i>Nano Letters</i> , <b>2013</b> , 13, 4106-12	11.5	145
66	Metal-Dielectric Core-Shell Nanoparticles: Advanced Plasmonic Architectures Towards Multiple Control of Random Lasers. <i>Advanced Optical Materials</i> , <b>2013</b> , 1, 573-580	8.1	50
65	Plasmonics: Metal-Dielectric Core-Shell Nanoparticles: Advanced Plasmonic Architectures Towards Multiple Control of Random Lasers (Advanced Optical Materials 8/2013). <i>Advanced Optical Materials</i> , <b>2013</b> , 1, 538-538	8.1	1
64	Ferromagnetic amorphous oxides in the EuO-TiO <sub>2</sub> system studied by the Faraday effect in the visible region and the x-ray magnetic circular dichroism at the Eu M <sub>4,5</sub> and L <sub>2,3</sub> edges. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	5

63	Ferromagnetism induced by lattice volume expansion and amorphization in EuTiO <sub>3</sub> thin films. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 1031-1041	2.5	12
62	Anisotropic growth of zinc oxide pillars on silver nanoparticles by oblique angle deposition. <i>Journal of the Ceramic Society of Japan</i> , <b>2013</b> , 121, 710-713	1	
61	Synthesis of Gold-Silica Core-Shell Nanoparticles with Tunable Shell Thickness. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , <b>2013</b> , 60, 49-54	0.2	
60	Modified Faraday rotation in a three-dimensional magnetophotonic opal crystal consisting of maghemite/silica composite spheres. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 151121	3.4	12
59	Atomically smooth and single crystalline indium tin oxide thin film with low optical loss. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2012</b> , 9, 2533-2536		7
58	Effect of Substrate Strain and Interface on Magnetic Properties of EuTiO <sub>3</sub> Thin Film. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1454, 149-159		1
57	First Synthesis of EuS Nanoparticle Thin Film with a Wide Energy Gap and Giant Magneto-Optical Efficiency on a Glass Electrode. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 19590-19596	3.8	19
56	Local Structure of Amorphous EuO <sub>0.8</sub> TiO <sub>2</sub> Thin Films Probed by X-Ray Absorption Fine Structure. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 716-720	3.8	4
55	Plasmonically controlled lasing resonance with metallic-dielectric core-shell nanoparticles. <i>Nano Letters</i> , <b>2011</b> , 11, 1374-8	11.5	97
54	Ferromagnetic properties with reentrant spin-glass behavior in amorphous EuZrO <sub>3</sub> thin film. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 3051-3054		6
53	Antiferromagnetic superexchange via 3d states of titanium in EuTiO <sub>3</sub> as seen from hybrid Hartree-Fock density functional calculations. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	86
52	Scattering-Based Hole Burning in Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> Monoliths with Hierarchical Porous Structures Prepared via the Sol-Gel Route. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 17676-17681	3.8	28
51	Scattering-based hole burning mediated by localized surface plasmon resonance in photoreactive random media containing Ag nanoparticles. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 121917	3.4	1
50	High-density excitation effect on photoluminescence in ZnO nanoparticles. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 124311	2.5	11
49	Random lasing from localized modes in strongly scattering systems consisting of macroporous titania monoliths infiltrated with dye solution. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 031118	3.4	21
48	Random Lasing Actions Induced by Silver Nanoprisms. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , <b>2009</b> , 56, 645-650	0.2	2
47	Magnetic properties of ilmenite-hematite solid-solution thin films: Direct observation of antiphase boundaries and their correlation with magnetism. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	9
46	Coherent random lasers in weakly scattering polymer films containing silver nanoparticles. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	88



45	Enhanced magnetization and ferrimagnetic behavior of normal spinel ZnFe <sub>2</sub> O <sub>4</sub> thin film irradiated with femtosecond laser. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 94, 83	2.6	10
44	Coherent random lasers from weakly scattering polymer films embedded with superfine silver nanoparticles. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2009</b> , 6, S102-S105		8
43	High-quality antiferromagnetic EuTiO <sub>3</sub> epitaxial thin films on SrTiO <sub>3</sub> prepared by pulsed laser deposition and postannealing. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 062512	3.4	47
42	Epitaxial Growth of Room-Temperature Ferrimagnetic Semiconductor Thin Films Based on Fe <sub>3</sub> O <sub>4</sub> -Fe <sub>2</sub> TiO <sub>4</sub> Solid Solution. <i>Materials Transactions</i> , <b>2009</b> , 50, 1076-1080	1.3	8
41	Effect of Microscopic Structure and Porosity on the Photoluminescence Properties of Silica Gels. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 10878-10882	3.8	20
40	Structural and Magnetic Properties of $\text{CdFe}_{1-x}\text{O}_{4-x}$ Thin Films Fabricated via Sputtering Method. <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 2796-2799	2	6
39	Scattering-based hole burning through volume speckles in a random medium with tunable diffusion constant. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 151912	3.4	4
38	Intense visible emissions from d <sup>0</sup> ions-doped silicate glasses. <i>Journal of the Ceramic Society of Japan</i> , <b>2008</b> , 116, 1147-1149	1	7
37	Random lasers with coherent feedback from highly transparent polymer films embedded with silver nanoparticles. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 201112	3.4	112
36	Formation of silver nanoparticles under anodic surface of tellurite glass via thermal poling-assisted ion implantation across solid-solid interface. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 073515	2.5	10
35	First-principles XANES simulations of spinel zinc ferrite with a disordered cation distribution. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	88
34	Room-temperature ferrimagnetic semiconductor 0.6FeTiO <sub>3</sub> 0.4Fe <sub>2</sub> O <sub>3</sub> solid solution thin films. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 142503	3.4	29
33	Epitaxial growth of room-temperature ferrimagnetic semiconductor thin films based on the ilmenite-hematite solid solution. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 082509	3.4	28
32	Enhancement of Optically Encoded Second-Order Nonlinearity in 15Nb <sub>2</sub> O <sub>5</sub> 85TeO <sub>2</sub> Glass by Doping with V and Tb. <i>Journal of the Ceramic Society of Japan</i> , <b>2006</b> , 114, 110-113		
31	Second-Order Optical Nonlinearity and Magnetic Order in Disordered Oxides. <i>Journal of the Ceramic Society of Japan</i> , <b>2005</b> , 113, 501-508		2
30	Preparation and Faraday Effect of Fluoroaluminate Glasses Containing Divalent Europium Ions. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 80, 2696-2698	3.8	14
29	Preparation of Macroporous Titania Films by a Sol-Gel Dip-Coating Method from the System Containing Poly(ethylene glycol). <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 2670-2676	3.8	81
28	Mössbauer Spectroscopy of Borate Glasses Containing Divalent Europium Ions. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 1845-1851	3.8	16

27	Effect of Poling Temperature on Optical Second-Harmonic Intensity of Lithium Sodium Tellurite Glass. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 2735-2737	3.8	15
26	Ferromagnetism in Fe-doped $\text{LiGa}_2\text{O}_3$ Prepared by a Solid State Reaction. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 853, 49		2
25	Preparation and Faraday effect of $\text{Eu}^{3+}$ microcrystal-embedded oxide thin films. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 2213-2219	2.5	24
24	Optical second-order nonlinearity of poled borosilicate glass containing $\text{CuCl}$ . <i>Journal of Applied Physics</i> , <b>2000</b> , 88, 2200-2204	2.5	3
23	Induction and relaxation of optical second-order nonlinearity in tellurite glasses. <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 2046-2051	2.5	59
22	Poling-induced crystallization of tetragonal $\text{BaTiO}_3$ and enhancement of optical second-harmonic intensity in $\text{BaO}-\text{SiO}_2-\text{TeO}_2$ glass system. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 3399-3401	3.4	29
21	Optical second-order nonlinearity of transparent glass-ceramics containing $\text{BaTiO}_3$ precipitated via surface crystallization. <i>Journal of Materials Research</i> , <b>1999</b> , 14, 3640-3646	2.5	18
20	Large Faraday effect and local structure of alkali silicate glasses containing divalent europium ions. <i>Journal of Materials Research</i> , <b>1998</b> , 13, 1989-1995	2.5	26
19	Effect of poling temperature on optical second harmonic intensity of sodium zinc tellurite glasses. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 3986-3990	2.5	27
18	The Faraday effect and magneto-optical figure of merit in the visible region for lithium borate glasses containing. <i>Journal Physics D: Applied Physics</i> , <b>1998</b> , 31, 2622-2627	3	24
17	Effect of Heat Treatment on Fluorescence Properties of $\text{Sm}^{2+}$ -Doped $\text{SiO}_2$ Films Prepared by RF Magnetron Sputtering Method. <i>Journal of the Ceramic Society of Japan</i> , <b>1997</b> , 105, 519-521		1
16	Fluorescence line narrowing spectroscopy of $\text{Sm}^{2+}$ and $\text{Eu}^{3+}$ in sodium borate glasses. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 924-930	2.5	28
15	Poling temperature dependence of optical second-harmonic intensity of $\text{MgO}-\text{Na}_2\text{O}-\text{TeO}_2$ glasses. <i>Journal of Applied Physics</i> , <b>1996</b> , 79, 3798-3800	2.5	21
14	Optical Second Harmonic Generation in Transparent Tellurite Glass-Ceramics Containing $\text{BaTiO}_3$ . <i>Materials Research Society Symposia Proceedings</i> , <b>1996</b> , 453, 271		2
13	Large Verdet Constant of $30\text{Tb}_2\text{O}_3 \cdot 70\text{B}_2\text{O}_3$ Glass. <i>Japanese Journal of Applied Physics</i> , <b>1995</b> , 34, 4825-4826	1.4	31
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11	Optical Properties and Preparation of Transparent Glass-Ceramics Containing $\text{Cr}^{3+}$ Ions. <i>Journal of the Ceramic Society of Japan</i> , <b>1993</b> , 101, 102-104		8
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