Katsuhisa Tanaka

List of Publications by Citations

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	Wavelength-tunable spasing in the visible. *Nano Letters*, **2013**, 13, 4106-12	11.5	145
133	Random lasers with coherent feedback from highly transparent polymer films embedded with silver nanoparticles. *Applied Physics Letters*, **2008**, 92, 201112	3.4	112
132	Plasmonically controlled lasing resonance with metallic-dielectric core-shell nanoparticles. *Nano Letters*, **2011**, 11, 1374-8	11.5	97
131	Coherent random lasers in weakly scattering polymer films containing silver nanoparticles. *Physical Review A*, **2009**, 79,	2.6	88
130	First-principles XANES simulations of spinel zinc ferrite with a disordered cation distribution. *Physical Review B*, **2007**, 75,	3.3	88
129	A labile hydride strategy for the synthesis of heavily nitridized BaTiO3. *Nature Chemistry*, **2015**, 7, 1017-23	17.6	87
128	Accelerated discovery of cathode materials with prolonged cycle life for lithium-ion battery. *Nature Communications*, **2014**, 5, 4553	17.4	86
127	Antiferromagnetic superexchange via 3d states of titanium in EuTiO3 as seen from hybrid Hartree-Fock density functional calculations. *Physical Review B*, **2011**, 83,	3.3	86
126	Preparation of Macroporous Titania Films by a Sol-Gel Dip-Coating Method from the System Containing Poly(ethylene glycol). *Journal of the American Ceramic Society*, **2005**, 81, 2670-2676	3.8	81
125	Preparation and optical properties of transparent glass-ceramics containing PbF2:Tm3+. *Journal of Applied Physics*, **1995**, 78, 3445-3450	2.5	61
124	Induction and relaxation of optical second-order nonlinearity in tellurite glasses. *Journal of Applied Physics*, **1999**, 85, 2046-2051	2.5	59
123	Ferroelectric Sr3Zr2O7: Competition between Hybrid Improper Ferroelectric and Antiferroelectric Mechanisms. *Advanced Functional Materials*, **2018**, 28, 1801856	15.6	57
122	Room-temperature polar ferromagnet ScFeO3 transformed from a high-pressure orthorhombic perovskite phase. *Journal of the American Chemical Society*, **2014**, 136, 15291-9	16.4	56
121	Metal Dielectric Core Shell Nanoparticles: Advanced Plasmonic Architectures Towards Multiple Control of Random Lasers. *Advanced Optical Materials*, **2013**, 1, 573-580	8.1	50
120	High-quality antiferromagnetic EuTiO3 epitaxial thin films on SrTiO3 prepared by pulsed laser deposition and postannealing. *Applied Physics Letters*, **2009**, 94, 062512	3.4	47
119	Inversion symmetry breaking by oxygen octahedral rotations in the Ruddlesden-Popper NaRTiO4 family. *Physical Review Letters*, **2014**, 112, 187602	7.4	45
118	Hybrid Improper Ferroelectricity in (Sr,Ca)SnO and Beyond: Universal Relationship between Ferroelectric Transition Temperature and Tolerance Factor in n = 2 Ruddlesden-Popper Phases. *Journal of the American Chemical Society*, **2018**, 140, 15690-15700	16.4	45

117	Preparation and Optical Properties of Transparent Glass-Ceramics Containing Cobalt(ll) Ions. *Journal of the American Ceramic Society*, **1993**, 76, 2839-2845	3.8	38
116	Electrical Properties of Epitaxial Thin Films of Oxyhydrides ATiO3□Hx (A = Ba and Sr). *Chemistry of Materials*, **2015**, 27, 6354-6359	9.6	37
115	Nitridation of the Sol□Gel-Derived Titanium Oxide Films by Heating in Ammonia Gas. *Journal of the American Ceramic Society*, **1990**, 73, 2750-2752	3.8	35
114	Plasmonic arrays of titanium nitride nanoparticles fabricated from epitaxial thin films. *Optics Express*, **2016**, 24, 1143-53	3.3	34
113	LiNbO3-Type InFeO3: Room-Temperature Polar Magnet without Second-Order Jahn□Teller Active Ions. *Chemistry of Materials*, **2016**, 28, 6644-6655	9.6	33
112	Large Verdet Constant of $bf 30Tb_{2}O_{3}cdot 70B_{2}O_{3}$ Glass. *Japanese Journal of Applied Physics*, **1995**, 34, 4825-4826	1.4	31
111	Room-temperature ferrimagnetic semiconductor 0.6FeTiO3□.4Fe2O3 solid solution thin films. *Applied Physics Letters*, **2006**, 89, 142503	3.4	29
110	Poling-induced crystallization of tetragonal BaTiO3 and enhancement of optical second-harmonic intensity in BaO□TiO2□eO2 glass system. *Applied Physics Letters*, **1999**, 75, 3399-3401	3.4	29
109	Scattering-Based Hole Burning in Y3Al5O12:Ce3+ Monoliths with Hierarchical Porous Structures Prepared via the Sol□Gel Route. *Journal of Physical Chemistry C*, **2011**, 115, 17676-17681	3.8	28
108	Fluorescence line narrowing spectroscopy of Sm2+ and Eu3+ in sodium borate glasses. *Journal of Applied Physics*, **1997**, 81, 924-930	2.5	28
107	Epitaxial growth of room-temperature ferrimagnetic semiconductor thin films based on the ilmenite-hematite solid solution. *Applied Physics Letters*, **2006**, 89, 082509	3.4	28
106	Effect of poling temperature on optical second harmonic intensity of sodium zinc tellurite glasses. *Journal of Applied Physics*, **1998**, 83, 3986-3990	2.5	27
105	Large Faraday effect and local structure of alkali silicate glasses containing divalent europium ions. *Journal of Materials Research*, **1998**, 13, 1989-1995	2.5	26
104	Improper Inversion Symmetry Breaking and Piezoelectricity through Oxygen Octahedral Rotations in Layered Perovskite Family, LiRTiO4 (R = Rare Earths). *Advanced Electronic Materials*, **2016**, 2, 1500196	6.4	25
103	Preparation and Faraday effect of EuS microcrystal-embedded oxide thin films. *Journal of Applied Physics*, **2001**, 89, 2213-2219	2.5	24
102	The Faraday effect and magneto-optical figure of merit in the visible region for lithium borate glasses containing. *Journal Physics D: Applied Physics*, **1998**, 31, 2622-2627	3	24
101	Plasmonic□Photonic Hybrid Modes Excited on a Titanium Nitride Nanoparticle Array in the Visible Region. *ACS Photonics*, **2017**, 4, 815-822	6.3	23
100	ZnTaON: Stabilized High-Temperature LiNbO-type Structure. *Journal of the American Chemical Society*, **2016**, 138, 15950-15955	16.4	22

99	Random lasing from localized modes in strongly scattering systems consisting of macroporous titania monoliths infiltrated with dye solution. *Applied Physics Letters*, **2010**, 97, 031118	3.4	21
98	Poling temperature dependence of optical second-harmonic intensity of MgO□nO□eO2 glasses. *Journal of Applied Physics*, **1996**, 79, 3798-3800	2.5	21
97	Effect of Microscopic Structure and Porosity on the Photoluminescence Properties of Silica Gels. *Journal of Physical Chemistry C*, **2008**, 112, 10878-10882	3.8	20
96	Competing Structural Instabilities in the Ruddlesden□Popper Derivatives HRTiO4 (R = Rare Earths): Oxygen Octahedral Rotations Inducing Noncentrosymmetricity and Layer Sliding Retaining Centrosymmetricity. *Chemistry of Materials*, **2017**, 29, 656-665	9.6	19
95	Phase-Selective Distribution of Eu2+ and Eu3+ in Oxide and Fluoride Crystals in Glass-Ceramics for Warm White-Light-Emitting Diodes. *ACS Applied Electronic Materials*, **2019**, 1, 961-971	4	19
94	Large Faraday effect of borate glasses with high Tb 3+ content prepared by containerless processing. *Optical Materials*, **2018**, 76, 174-177	3.3	19
93	Enhancement of optical Faraday effect of nonanuclear Tb(III) complexes. *Inorganic Chemistry*, **2014**, 53, 7635-41	5.1	19
92	First Synthesis of EuS Nanoparticle Thin Film with a Wide Energy Gap and Giant Magneto-Optical Efficiency on a Glass Electrode. *Journal of Physical Chemistry C*, **2012**, 116, 19590-19596	3.8	19
91	Rattling in the Quadruple Perovskite CuCu3 V4 O12. *Angewandte Chemie - International Edition*, **2015**, 54, 10870-4	16.4	18
90	Optical second-order nonlinearity of transparent glass-ceramics containing BaTiO3 precipitated via surface crystallization. *Journal of Materials Research*, **1999**, 14, 3640-3646	2.5	18
89	Enhanced photoluminescence and directional white-light generation by plasmonic array. *Journal of Applied Physics*, **2018**, 124, 213105	2.5	18
88	Demonstration of temperature-plateau superheated liquid by photothermal conversion of plasmonic titanium nitride nanostructures. *Nanoscale*, **2018**, 10, 18451-18456	7.7	18
87	Substrate-induced anion rearrangement in epitaxial thin films of LaSrCoO4□Hx. *CrystEngComm*, **2014**, 16, 9669-9674	3.3	17
86	Synthesis of new amorphous oxides with ferromagnetic character in iron oxide-based systems. *Journal of Applied Physics*, **1991**, 69, 7752-7755	2.5	17
85	M□ssbauer Spectroscopy of Borate Glasses Containing Divalent Europium Ions. *Journal of the American Ceramic Society*, **2005**, 81, 1845-1851	3.8	16
84	Effect of Poling Temperature on Optical Second-Harmonic Intensity of Lithium Sodium Tellurite Glass. *Journal of the American Ceramic Society*, **2005**, 81, 2735-2737	3.8	15
83	Preparation and Faraday Effect of Fluoroaluminate Glasses Containing Divalent Europium Ions. *Journal of the American Ceramic Society*, **2005**, 80, 2696-2698	3.8	14
82	Modified Faraday rotation in a three-dimensional magnetophotonic opal crystal consisting of maghemite/silica composite spheres. *Applied Physics Letters*, **2012**, 101, 151121	3.4	12

81	Ferromagnetism induced by lattice volume expansion and amorphization in EuTiO3 thin films. *Journal of Materials Research*, **2013**, 28, 1031-1041	2.5	12
80	Enhancing upconversion photoluminescence by plasmonic-photonic hybrid mode. *Optics Express*, **2020**, 28, 886-897	3.3	12
79	High-density excitation effect on photoluminescence in ZnO nanoparticles. *Journal of Applied Physics*, **2010**, 107, 124311	2.5	11
78	Aluminum for Near Infrared Plasmonics: Amplified Up-Conversion Photoluminescence from Core–Shell Nanoparticles on Periodic Lattices. *Advanced Optical Materials*, **2021**, 9, 2001040	8.1	11
77	Enhanced Photoluminescence from Organic Dyes Coupled to Periodic Array of Zirconium Nitride Nanoparticles. *ACS Photonics*, **2018**, 5, 3057-3063	6.3	10
76	Enhanced magnetization and ferrimagnetic behavior of normal spinel ZnFe2O4 thin film irradiated with femtosecond laser. *Applied Physics A: Materials Science and Processing*, **2009**, 94, 83	2.6	10
75	Formation of silver nanoparticles under anodic surface of tellurite glass via thermal poling-assisted ion implantation across solid-solid interface. *Journal of Applied Physics*, **2007**, 102, 073515	2.5	10
74	Elastic Anomaly and Structure of F-Doped Silica Glass. *Journal of the Ceramic Society of Japan*, **1991**, 99, 600-607		10
73	MnTaO2N: Polar LiNbO3-type Oxynitride with a Helical Spin Order. *Angewandte Chemie*, **2015**, 127, 526-531	3.6	9
72	Magnetic properties of ilmenite-hematite solid-solution thin films: Direct observation of antiphase boundaries and their correlation with magnetism. *Physical Review B*, **2009**, 80,	3.3	9
71	Transport characteristics related with microstructure of (Bi, Pb)-Sr-Ca-Cu-O superconductor prepared by the sol-gel method. *Journal of Materials Science*, **1991**, 26, 4427-4432	4.3	9
70	Photoluminescence decay rate of an emitter layer on an Al nanocylinder array: effect of layer thickness. *Journal of the Optical Society of America B: Optical Physics*, **2019**, 36, E1	1.7	9
69	Surface-Enhanced Infrared Absorption for the Periodic Array of Indium Tin Oxide and Gold Microdiscs: Effect of in-Plane Light Diffraction. *ACS Photonics*, **2018**, 5, 2602-2608	6.3	8
68	Fabrication of cerium-doped yttrium aluminum garnet thin films by a mist CVD method. *Journal of Luminescence*, **2016**, 170, 808-811	3.8	8
67	Coherent random lasers from weakly scattering polymer films embedded with superfine silver nanoparticles. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2009**, 6, S102-S105		8
66	Epitaxial Growth of Room-Temperature Ferrimagnetic Semiconductor Thin Films Based on Fe3O4-Fe2TiO4 Solid Solution. *Materials Transactions*, **2009**, 50, 1076-1080	1.3	8
65	Optical Properties and Preparation of Transparent Glass-Ceramics Containing Cr3+ Ions. *Journal of the Ceramic Society of Japan*, **1993**, 101, 102-104		8
64	The relationship between magneto-optical properties and molecular chirality. *NPG Asia Materials*, **2016**, 8, e251-e251	10.3	8

63	Atomically smooth and single crystalline indium tin oxide thin film with low optical loss. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2012**, 9, 2533-2536		7
62	Intense visible emissions from d 0 ions-doped silicate glasses. *Journal of the Ceramic Society of Japan*, **2008**, 116, 1147-1149	1	7
61	Magnetic and electrical properties of LuFe2O4 epitaxial thin films with a self-assembled interface structure. *CrystEngComm*, **2020**, 22, 1096-1105	3.3	7
60	Comparison of directionally outcoupled photoluminescences from luminous layers on Si and Al nanocylinder arrays. *Journal of Applied Physics*, **2019**, 125, 133101	2.5	6
59	Ferromagnetic properties with reentrant spin-glass behavior in amorphous EuZrO3 thin film. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2011**, 8, 3051-3054		6
58	Structural and Magnetic Properties of $hbox{CdFe}_{2}hbox{O}_{4}$ Thin Films Fabricated via Sputtering Method. *IEEE Transactions on Magnetics*, **2008**, 44, 2796-2799	2	6
57	A-site cation size effect on oxygen octahedral rotations in acentric Ruddlesden-Popper alkali rare-earth titanates. *Physical Review Materials*, **2019**, 3,	3.2	6
56	Temperature sensing of a plasmonic nanocylinder array by a polymer film containing chameleon complex. *Journal of the Optical Society of America B: Optical Physics*, **2019**, 36, E15	1.7	6
55	Layered Double Hydroxide Nanosheets on Plasmonic Arrays of Al Nanocylinders for Optical Sensing. *ACS Applied Nano Materials*, **2020**, 3, 5838-5845	5.6	5
54	Mesoporous silica layer on plasmonic array: light trapping in a layer with a variable index of refraction. *Optical Materials Express*, **2016**, 6, 2736	2.6	5
53	Faraday effect of polycrystalline bismuth iron garnet thin film prepared by mist chemical vapor deposition method. *Journal of Magnetism and Magnetic Materials*, **2017**, 422, 100-104	2.8	5
52	Ferromagnetic amorphous oxides in the EuO-TiO2 system studied by the Faraday effect in the visible region and the x-ray magnetic circular dichroism at the Eu M4,5 and L2,3 edges. *Physical Review B*, **2013**, 88,	3.3	5
51	Second-order Doppler shift in Mössbauer spectra of Fe-B and Fe-P amorphous alloys. *Journal of Applied Physics*, **1988**, 64, 3299-3301	2.5	5
50	Improving the Plasmonic Response of Silver Nanoparticle Arrays via Atomic Layer Deposition Coating and Annealing above the Melting Point. *Journal of Physical Chemistry C*, **2020**, 124, 27687-27693	3.8	5
49	Perovskite-Type CuNbO3 Exhibiting Unusual Noncollinear Ferrielectric to Collinear Ferroelectric Dipole Order Transition. *Chemistry of Materials*, **2020**, 32, 5016-5027	9.6	4
48	Perovskite-Type InCoO with Low-Spin Co: Effect of In-O Covalency on Structural Stabilization in Comparison with Rare-Earth Series. *Inorganic Chemistry*, **2017**, 56, 11113-11122	5.1	4
47	Terbium Oxide, Fluoride, and Oxyfluoride Nanoparticles with Magneto-optical Properties. *Bulletin of the Chemical Society of Japan*, **2015**, 88, 1453-1458	5.1	4
46	Local Structure of Amorphous EuO□TiO2 Thin Films Probed by X-Ray Absorption Fine Structure. *Journal of the American Ceramic Society*, **2012**, 95, 716-720	3.8	4

45	Scattering-based hole burning through volume speckles in a random medium with tunable diffusion constant. *Applied Physics Letters*, **2008**, 93, 151912	3.4	4
44	Thermal oxidation of TiN nanocylinder arrays: effects of insulator coatings by atomic layer deposition. *Optical Materials Express*, **2019**, 9, 4751	2.6	4
43	Stick-and-play metasurfaces for directional light outcoupling. *Applied Physics Letters*, **2021**, 118, 021110	3.4	4
42	Growth of Single-Crystalline RFe2O4□(R = Y, Tm, Yb) by the Floating Zone Melting Method in a Mixture of N2, H2, and CO2 Gases and Magnetic Properties of the Compounds. *Crystal Growth and Design*, **2019**, 19, 5498-5504	3.5	3
41	Optical second-order nonlinearity of poled borosilicate glass containing CuCl. *Journal of Applied Physics*, **2000**, 88, 2200-2204	2.5	3
40	Electron Spin Resonance and M□sbauer Studies on Crystallization Process of BaFe12O19 from Barium Iron Borate Glass. *Journal of the Ceramic Society of Japan*, **1993**, 101, 273-278		3
39	Extreme thermal anisotropy in high-aspect-ratio titanium nitride nanostructures for efficient photothermal heating. *Nanophotonics*, **2021**, 10, 1487-1494	6.3	3
38	Photoluminescence from an emitter layer sandwiched between the stack of metasurfaces. *Journal of Applied Physics*, **2021**, 129, 183101	2.5	3
37	Mechanical Manipulation of a Fiber-Optical Microprobe Fabricated from Oxide Glasses with Magnetic Force Response. *Advanced Photonics Research*, **2021**, 2, 2000100	1.9	3
36	Pulse-based electron spin transient nutation measurement of BaTiO3 fine particle: Identification of controversial signal around g = 2.00. *Applied Physics Letters*, **2018**, 112, 202902	3.4	3
35	Optical Responses of Localized and Extended Modes in a Mesoporous Layer on Plasmonic Array to Isopropanol Vapor. *Journal of Physical Chemistry C*, **2020**, 124, 5772-5779	3.8	2
34	Random Lasing Actions Induced by Silver Nanoprisms. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2009**, 56, 645-650	0.2	2
33	Ferromagnetism in Fe-doped □Ga2O3 Prepared by a Solid State Reaction. *Materials Research Society Symposia Proceedings*, **2004**, 853, 49		2
32	Second-Order Optical Nonlinearity and Magnetic Order in Disordered Oxides. *Journal of the Ceramic Society of Japan*, **2005**, 113, 501-508		2
31	Optical Second Harmonic Generation in Transparent Tellurite Glass-Ceramics Containing BaTiO3. *Materials Research Society Symposia Proceedings*, **1996**, 453, 271		2
30	Oxidation pathway to the titanium dioxide metasurface for harnessing photoluminescence. *Journal of Applied Physics*, **2021**, 129, 163101	2.5	2
29	Effect of Cylinder Height on Directional Photoluminescence from Highly Luminous Thin Films on Periodic Plasmonic Arrays. *MRS Advances*, **2017**, 2, 173-178	0.7	1
28	Magnetic properties of epitaxial TmFe2O4 thin films with an anomalous interfacial structure. *Journal of Materials Chemistry C*, **2020**, 8, 11704-11714	7.1	1

27	Plasmonics: Metal□Dielectric Core□Shell Nanoparticles: Advanced Plasmonic Architectures Towards Multiple Control of Random Lasers (Advanced Optical Materials 8/2013). *Advanced Optical Materials*, **2013**, 1, 538-538	8.1	1
26	Enhancement of photoluminescence of glass phosphor by nanoimprint of moth-eye structure. *Journal of the Ceramic Society of Japan*, **2017**, 125, 766-769	1	1
25	Effect of Substrate Strain and Interface on Magnetic Properties of EuTiO3 Thin Film. *Materials Research Society Symposia Proceedings*, **2012**, 1454, 149-159		1
24	Scattering-based hole burning mediated by localized surface plasmon resonance in photoreactive random media containing Ag nanoparticles. *Applied Physics Letters*, **2011**, 98, 121917	3.4	1
23	Effect of Heat Treatment on Fluorescence Properties of Sm2+-Doped SiO2 Films Prepared by RF Magnetron Sputtering Method. *Journal of the Ceramic Society of Japan*, **1997**, 105, 519-521		1
22	Effect of heat treatment on the magnetic properties of a rapidly quenched ZnO-Bi2O3-Fe2O3 system. *Journal of Materials Science Letters*, **1993**, 12, 1710-1713		1
21	Plasmonic Enhancement of Upconversion Photoluminescence from CaF2: Er3+, Yb3+ Nanoparticles on TiN Nanoantennas. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2020**, 67, 140-145	0.2	1
20	Plasmonic metal enhanced broadband near-infrared emission from a transparent nano-glass composite containing hybrid Ag□metal/□Ga2O3:Ni2+ nanocrystals. *Journal of Materials Chemistry C* , **2021**, 9, 15918-15926	7.1	1
19	Microstructure and Faraday effect of Tb2O3-Al2O3-SiO2-B2O3 glasses for fiber-based magneto-optical applications. *Journal of the American Ceramic Society*, **2022**, 105, 1198	3.8	1
18	Up-conversion Luminescence Enhanced by the Plasmonic Lattice Resonating at the Transparent Window of Water. *ACS Applied Energy Materials*, **2021**, 4, 2999-3007	6.1	1
17	Durable BaO□ZnO□P2O5 glass with small stress-induced birefringence for lead-free polarization light-controlling devices. *International Journal of Applied Glass Science*, **2020**, 11, 27-34	1.8	1
16	Topochemical synthesis of perovskite-type CuNb2O6 with colossal dielectric constant. *Journal of Materials Chemistry C*,	7.1	1
15	Enhanced Faraday Effect in Porous Iron Oxide Thin Films Coupled to Localized Surface Plasmon Resonances. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2015**, 62, 18-26	0.2	0
14	Evidence of the retardation effect on the plasmonic resonances of aluminum nanodisks in the symmetric/asymmetric environment. *Optics Express*, **2021**, 29, 14799-14814	3.3	0
13	Loss Control with Annealing and Lattice Kerker Effect in Silicon Metasurfaces. *Advanced Photonics Research*, **2022**, 3, 2100235	1.9	0
12	Preparation of Nb-doped Anatase Type TiO2 Epitaxial Thin Films and Excitation of Surface Plasmon Polaritons. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2017**, 64, 23-27	0.2	
11	Errata:Enhanced Faraday Effect in Porous Iron Oxide Thin Films Coupled to Localized Surface Plasmon Resonances. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2015**, 62, 216_2	0.2	
10	Rattling in the Quadruple Perovskite CuCu3V4O12. *Angewandte Chemie*, **2015**, 127, 11020-11024	3.6	

9	Anisotropic growth of zinc oxide pillars on silver nanoparticles by oblique angle deposition. *Journal of the Ceramic Society of Japan*, **2013**, 121, 710-713	1
8	Synthesis of Gold-Silica Core-Shell Nanoparticles with Tunable Shell Thickness. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2013**, 60, 49-54	0.2
7	Enhancement of Optically Encoded Second-Order Nonlinearity in 15Nb2O5 85TeO2 Glass by Doping with V and Tb. *Journal of the Ceramic Society of Japan*, **2006**, 114, 110-113	
6	OPTICAL RESPONSE OF MESOPOROUS SILICA LAYER ON PLASMONIC ARRAY TO ISOPROPANOL VAPOR. *Ceramic Engineering and Science Proceedings*,59-68	0.1
5	Spin glass transition of single-crystalline TmFeO. *Journal of Physics Condensed Matter*, **2020**, 32, 405801	1.8
4	Random Laser Oscillation with Low Threshold and Optical Microresonator Based on Nanostructured Metals. *The Review of Laser Engineering*, **2016**, 44, 527	0
3	Unique octahedral rotation pattern in the oxygen-deficient Ruddlesden-Popper compound GdBaFeO. *Acta Crystallographica Section C, Structural Chemistry*, **2021**, 77, 286-290	0.8
2	Fabrication of Flexible Sticker of Si Metasurfaces by a Transfer Process. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2022**, 69, 87-90	0.2
1	Improving Metasurface Performance by Nano Metallurgy Process. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2022**, 69, 63-67	0.2