Koji Fujita

List of Publications by Citations

220 papers	4,599 citations	35 h-index	57 g-index
242 ext. papers	5,021 ext. citations	4.3 avg, IF	5.25 L-index

#	Paper	IF	Citations
220	Synthesis of Monolithic Al2O3 with Well-Defined Macropores and Mesostructured Skeletons via the Sol□el Process Accompanied by Phase Separation. *Chemistry of Materials*, **2007**, 19, 3393-3398	9.6	176
219	Wavelength-tunable spasing in the visible. *Nano Letters*, **2013**, 13, 4106-12	11.5	145
218	Monolithic TiO2 with Controlled Multiscale Porosity via a Template-Free Sol□el Process Accompanied by Phase Separation. *Chemistry of Materials*, **2006**, 18, 6069-6074	9.6	144
217	Random lasers with coherent feedback from highly transparent polymer films embedded with silver nanoparticles. *Applied Physics Letters*, **2008**, 92, 201112	3.4	112
216	Periodic nanovoid structures via femtosecond laser irradiation. *Nano Letters*, **2005**, 5, 1591-5	11.5	110
215	Crystalline ZrO2 Monoliths with Well-Defined Macropores and Mesostructured Skeletons Prepared by Combining the Alkoxy-Derived Sol□el Process Accompanied by Phase Separation and the Solvothermal Process. *Chemistry of Materials*, **2008**, 20, 2165-2173	9.6	99
214	Plasmonically controlled lasing resonance with metallic-dielectric core-shell nanoparticles. *Nano Letters*, **2011**, 11, 1374-8	11.5	97
213	Sol-gel synthesis of macro-mesoporous titania monoliths and their applications to chromatographic separation media for organophosphate compounds. *Journal of Chromatography A*, **2009**, 1216, 7375-83	4.5	92
212	Space-selective precipitation of non-linear optical crystals inside silicate glasses using near-infrared femtosecond laser. *Journal of Non-Crystalline Solids*, **2005**, 351, 885-892	3.9	90
211	Coherent random lasers in weakly scattering polymer films containing silver nanoparticles. *Physical Review A*, **2009**, 79,	2.6	88
210	First-principles XANES simulations of spinel zinc ferrite with a disordered cation distribution. *Physical Review B*, **2007**, 75,	3.3	88
209	A labile hydride strategy for the synthesis of heavily nitridized BaTiO3. *Nature Chemistry*, **2015**, 7, 1017-23	27.6	87
208	Accelerated discovery of cathode materials with prolonged cycle life for lithium-ion battery. *Nature Communications*, **2014**, 5, 4553	17.4	86
207	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
206	Structural characterization of hierarchically porous alumina aerogel and xerogel monoliths. *Journal of Colloid and Interface Science*, **2009**, 338, 506-13	9.3	82
205	Remarkable magneto-optical properties of europium selenide nanoparticles with wide energy gaps. *Journal of the American Chemical Society*, **2008**, 130, 5710-5	16.4	80
204	Phase-Separation-Induced Titania Monoliths with Well-Defined Macropores and Mesostructured Framework from Colloid-Derived Sol□el Systems. *Chemistry of Materials*, **2006**, 18, 864-866	9.6	79

203	High magnetization and the high-temperature superparamagnetic transition with intercluster interaction in disordered zinc ferrite thin film. *Journal of Physics Condensed Matter*, **2005**, 17, 137-49	1.8	75
202	Ferroelectric Sr3Zr2O7: Competition between Hybrid Improper Ferroelectric and Antiferroelectric Mechanisms. *Advanced Functional Materials*, **2018**, 28, 1801856	15.6	57
201	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
200	Room-temperature persistent spectral hole burning of Eu(3+) in sodium aluminosilicate glasses. *Optics Letters*, **1998**, 23, 543-5	3	54
199	Metal□Dielectric Core□Shell Nanoparticles: Advanced Plasmonic Architectures Towards Multiple Control of Random Lasers. *Advanced Optical Materials*, **2013**, 1, 573-580	8.1	50
198	Unidirectional spaser in symmetry-broken plasmonic core-shell nanocavity. *Scientific Reports*, **2013**, 3, 1241	4.9	49
197	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
196	Inversion symmetry breaking by oxygen octahedral rotations in the Ruddlesden-Popper NaRTiO4 family. *Physical Review Letters*, **2014**, 112, 187602	7.4	45
195	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
194	An antiferro-to-ferromagnetic transition in EuTiO(3-x)H(x) induced by hydride substitution. *Inorganic Chemistry*, **2015**, 54, 1501-7	5.1	43
193	Strong light scattering in macroporous TiO2 monoliths induced by phase separation. *Applied Physics Letters*, **2004**, 85, 5595-5597	3.4	43
192	Faraday effect of sodium borate glasses containing divalent europium ions. *Journal of Applied Physics*, **1997**, 82, 840-844	2.5	42
191	Sol-gel Synthesis of Macroporous YAG from Ionic Precursors via Phase Separation Route. *Journal of the Ceramic Society of Japan*, **2007**, 115, 925-928	1	41
190	Full color triboluminescence of rare-earth-doped hexacelsian (BaAl2Si2O8). *Solid State Communications*, **1998**, 107, 763-767	1.6	39
189	Crystal and electronic structure and magnetic properties of divalent europium perovskite oxides EuMO3 (M = Ti, Zr, and Hf): experimental and first-principles approaches. *Inorganic Chemistry*, **2012**, 51, 4560-7	5.1	38
188	High-temperature persistent spectral hole burning of Eu^3+ ions in silicate glasses: new room-temperature hole-burning materials. *Journal of the Optical Society of America B: Optical Physics*, **1998**, 15, 2700	1.7	38
187	Electrical Properties of Epitaxial Thin Films of Oxyhydrides ATiO3□Hx (A = Ba and Sr). *Chemistry of Materials*, **2015**, 27, 6354-6359	9.6	37
186	Topochemical Nitridation with Anion Vacancy-Assisted N(3-)/O(2-) Exchange. *Journal of the American Chemical Society*, **2016**, 138, 3211-7	16.4	37

185	Preparation and magnetic properties of oxygen deficient EuTiO3 thin films. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 2268-2270	2.8	35
184	Thermal annealing effect on magnetism and cation distribution in disordered ZnFe2O4 thin films deposited on glass substrates. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 2543-2545	2.8	35
183	Magnetodielectric effect in EuZrO3. *Applied Physics Letters*, **2010**, 96, 252901	3.4	34
182	Plasmonic arrays of titanium nitride nanoparticles fabricated from epitaxial thin films. *Optics Express*, **2016**, 24, 1143-53	3.3	34
181	LiNbO3-Type InFeO3: Room-Temperature Polar Magnet without Second-Order Jahn Teller Active Ions. *Chemistry of Materials*, **2016**, 28, 6644-6655	9.6	33
180	Magneto-optical properties of transparent divalent iron phosphate glasses. *Applied Physics Letters*, **2008**, 92, 251908	3.4	32
179	High magnetization and the Faraday effect for ferrimagnetic zinc ferrite thin film. *Journal of Physics Condensed Matter*, **2003**, 15, L469-L474	1.8	32
178	Antiferromagnetism of perovskite EuZrO3. *Journal of Solid State Chemistry*, **2010**, 183, 168-172	3.3	30
177	Optical-telecommunication-band fluorescence properties of Er3+-doped YAG nanocrystals synthesized by glycothermal method. *Optical Materials*, **2005**, 27, 655-662	3.3	30
176	Room-temperature ferrimagnetic semiconductor 0.6FeTiO3 0.4Fe2O3 solid solution thin films. *Applied Physics Letters*, **2006**, 89, 142503	3.4	29
175	Strong Spin-Lattice Coupling Through Oxygen Octahedral Rotation in Divalent Europium Perovskites. *Advanced Functional Materials*, **2013**, 23, 1864-1872	15.6	28
174	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
173	Fluorescence line narrowing spectroscopy of Sm2+ and Eu3+ in sodium borate glasses. *Journal of Applied Physics*, **1997**, 81, 924-930	2.5	28
172	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
171	Random lasing in ballistic and diffusiveregimes for macroporous silica-based systems with tunable scattering strength. *Optics Express*, **2010**, 18, 12153-60	3.3	27
170	Cr3+-doped macroporous Al2O3 monoliths prepared by the metal-salt-derived sol gel method. *Journal of Non-Crystalline Solids*, **2008**, 354, 659-664	3.9	27
169	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
168	Spin dynamics in Fe2O3 TeO2 glass: Experimental evidence for an amorphous oxide spin glass. *Physical Review B*, **2006**, 74,	3.3	25

167	Morphology Control of Phase-Separation-Induced Alumina–Silica Macroporous Gels for Rare-Earth-Doped Scattering Media. *Journal of Physical Chemistry B*, **2004**, 108, 16670-16676	3.4	25
166	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
165	Magnetic properties of mixed-valence iron phosphate glasses. *Physical Review B*, **2009**, 80,	3.3	24
164	First Observation of Faraday Effect of EuS Nanocrystals in Polymer Thin Films. *Japanese Journal of Applied Physics*, **2003**, 42, L876-L878	1.4	24
163	Preparation and Faraday effect of EuS microcrystal-embedded oxide thin films. *Journal of Applied Physics*, **2001**, 89, 2213-2219	2.5	24
162	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
161	Plasmonic–Photonic Hybrid Modes Excited on a Titanium Nitride Nanoparticle Array in the Visible Region. *ACS Photonics*, **2017**, 4, 815-822	6.3	23
160	A-site-ordered perovskite MnCu3V4O12 with a 12-coordinated manganese(II). *Inorganic Chemistry*, **2013**, 52, 11538-43	5.1	23
159	Directional outcoupling of photoluminescence from Eu(III)-complex thin films by plasmonic array. *APL Photonics*, **2017**, 2, 026104	5.2	22
158	ZnTaON: Stabilized High-Temperature LiNbO-type Structure. *Journal of the American Chemical Society*, **2016**, 138, 15950-15955	16.4	22
157	MnTaO2N: polar LiNbO3-type oxynitride with a helical spin order. *Angewandte Chemie - International Edition*, **2015**, 54, 516-21	16.4	22
156	Second-harmonic generation in thermally poled chalcohalide glass. *Optics Letters*, **2006**, 31, 3492-4	3	22
155	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
154	Optically produced cross patterning based on local dislocations inside MgO single crystals. *Applied Physics Letters*, **2007**, 90, 163110	3.4	21
153	Magneto-optical properties of Eu2+-containing aluminoborosilicate glasses with ferromagnetic interactions. *Optical Materials*, **2013**, 35, 1997-2000	3.3	20
152	Effective optical Faraday rotations of semiconductor EuS nanocrystals with paramagnetic transition-metal ions. *Journal of the American Chemical Society*, **2013**, 135, 2659-66	16.4	20
151	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
150	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

149	Enhancement of optical Faraday effect of nonanuclear Tb(III) complexes. *Inorganic Chemistry*, **2014**, 53, 7635-41	5.1	19
148	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
147	Magnetic phase transitions in Fe(2)O(3)-Bi(2)O(3)-B(2)O(3) glasses. *Journal of Physics Condensed Matter*, **2008**, 20, 235216	1.8	19
146	Photochemical reactions of samarium ions in sodium borate glasses irradiated with near-infrared femtosecond laser pulses. *Journal of Luminescence*, **2002**, 98, 317-323	3.8	19
145	Intersubbband absorption in narrow Si/SiGe multiple quantum wells without interfacial smearing. *Applied Physics Letters*, **1992**, 61, 210-212	3.4	19
144	Rattling in the Quadruple Perovskite CuCu3 V4 O12. *Angewandte Chemie - International Edition*, **2015**, 54, 10870-4	16.4	18
143	Photochemical Hole Burning and Local Structural Change in Sm2+-Doped Borate Glasses. *Journal of the American Ceramic Society*, **1996**, 79, 327-332	3.8	18
142	Enhanced photoluminescence and directional white-light generation by plasmonic array. *Journal of Applied Physics*, **2018**, 124, 213105	2.5	18
141	Demonstration of temperature-plateau superheated liquid by photothermal conversion of plasmonic titanium nitride nanostructures. *Nanoscale*, **2018**, 10, 18451-18456	7.7	18
140	Substrate-induced anion rearrangement in epitaxial thin films of LaSrCoO4□Hx. *CrystEngComm*, **2014**, 16, 9669-9674	3.3	17
139	Direct creation of a photoinduced metallic structure and its optical properties in the terahertz frequency region. *Optics Letters*, **2010**, 35, 1719-21	3	17
138	Ferromagnetic Eu2+-based oxide glasses with reentrant spin glass behavior. *Physical Review B*, **2010**, 81,	3.3	17
137	Optical properties of macroporous Y3Al5O12 crystals doped with rare earth ions synthesized via sol□gel process from ionic precursors. *Optical Materials*, **2010**, 33, 123-127	3.3	17
136	Magnetic properties of disordered oxides with iron and manganese ions. *Journal of Non-Crystalline Solids*, **2008**, 354, 1347-1352	3.9	17
135	Magnetic and transport properties of EuTiO3thin films doped with Nb. *Japanese Journal of Applied Physics*, **2014**, 53, 05FJ07	1.4	16
134	M□ssbauer Spectroscopy of Borate Glasses Containing Divalent Europium Ions. *Journal of the American Ceramic Society*, **2005**, 81, 1845-1851	3.8	16
133	Persistent spectral hole burning of Eu3+ ions in sodium aluminosilicate glasses. *Journal of Applied Physics*, **1997**, 82, 5114-5120	2.5	15
132	Combination of Differential Interference Contrast with Prism-Type Total Internal Fluorescence Microscope for Direct Observation of Polyamidoamine Dendrimer Nanoparticle as a Gene Delivery in Living Human Cells. *Journal of Nanoscience and Nanotechnology*, **2007**, 7, 3689-3694	1.3	15

131	Morphological control and strong light scattering in macroporous TiO2 monoliths prepared via a colloid-derived sol□gel route. *Science and Technology of Advanced Materials*, **2006**, 7, 511-518	7.1	15
130	Phase-selective cathodoluminescence spectroscopy of Er:YAG glass-ceramics. *Solid State Communications*, **2004**, 132, 19-23	1.6	15
129	Tuning the wavelength of amplified spontaneous emission coupled to localized surface plasmon. *Applied Physics Letters*, **2012**, 101, 031117	3.4	14
128	Magnetic properties of oxide glasses containing iron and rare-earth ions. *Physical Review B*, **2011**, 84,	3.3	14
127	Tailoring Photonic Strength in Monolithic Macroporous Silica for Random Media. *Japanese Journal of Applied Physics*, **2004**, 43, 5359-5364	1.4	14
126	Room-temperature photochemical hole burning of Eu3+in sodium borate glasses. *Journal of Physics Condensed Matter*, **2001**, 13, 6411-6419	1.8	14
125	Self-assembly of mastoparan X derivative having fluorescence probe in lipid bilayer membrane. *Biochimica Et Biophysica Acta - Biomembranes*, **1994**, 1195, 157-63	3.8	14
124	Preparation and magnetic properties of amorphous EuTiO3 thin films. *Journal of Non-Crystalline Solids*, **2010**, 356, 2389-2392	3.9	13
123	Mechanical milling-induced room-temperature ferromagnetic phase in MnO2□nO system. *Applied Physics Letters*, **2006**, 89, 052501	3.4	13
122	Room-temperature grating-based morphological hole burning in Sm2+-doped glass powders. *Optics Letters*, **2003**, 28, 567-9	3	13
121	Triboluminescence of (Sr,Ba)Al2O4Polycrystals Doped with Eu3+and Eu2+. *Japanese Journal of Applied Physics*, **2002**, 41, 1419-1423	1.4	13
120	Second-order nonlinearity and optical image storage in phenyl-silica hybrid films doped with azo-dye chromophore using optical poling technique. *Optics Communications*, **2000**, 185, 467-472	2	13
119	Faraday effect of bismuth iron garnet thin film prepared by mist CVD method. *Japanese Journal of Applied Physics*, **2015**, 54, 063001	1.4	12
118	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
117	Ferromagnetism induced by lattice volume expansion and amorphization in EuTiO3 thin films. *Journal of Materials Research*, **2013**, 28, 1031-1041	2.5	12
116	Spin dynamics in oxide glass of Fe2O3□i2O3□2O3 system. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 1506-1507	2.8	12
115	Intense blue emission from tantalum-doped silicate glass. *Applied Physics Letters*, **2006**, 89, 061914	3.4	12
114	Intense greenish emission from d0 transition metal ion Ti4+ in oxide glass. *Applied Physics Letters*, **2007**, 90, 051917	3.4	12

113	Collective plasmonic modes excited in Al nanocylinder arrays in the UV spectral region. *Optics Express*, **2018**, 26, 5970-5982	3.3	11
112	Novel opto-magnetic silicate glass with semiconductor EuS nanocrystals. *Journal of Alloys and Compounds*, **2013**, 562, 123-127	5.7	11
111	Enhanced magneto-optical properties of semiconductor EuS nanocrystals assisted by surface plasmon resonance of gold nanoparticles. *Chemistry - A European Journal*, **2013**, 19, 14438-45	4.8	11
110	High-density excitation effect on photoluminescence in ZnO nanoparticles. *Journal of Applied Physics*, **2010**, 107, 124311	2.5	11
109	Local structure and persistent spectral hole burning of Sm2+ in silica-based fibers. *Journal of Luminescence*, **2000**, 86, 305-310	3.8	11
108	Triboluminescence of alkaline earth aluminate polycrystals doped with Dy3+. *Journal of Applied Physics*, **2000**, 88, 4069	2.5	11
107	Enhanced Photoluminescence from Organic Dyes Coupled to Periodic Array of Zirconium Nitride Nanoparticles. *ACS Photonics*, **2018**, 5, 3057-3063	6.3	10
106	Impact of amorphization on the magnetic properties of EuO-TiO2 system. *Physical Review B*, **2010**, 82,	3.3	10
105	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
104	Fabrication of p-type ferrimagnetic semiconductor thin films based on FeTiO3-Fe2O3 solid solution. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 2105-2107	2.8	10
103	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
102	Two-photon-excited fluorescence from silicate glass containing tantalum ions pumped by a near-infrared femtosecond pulsed laser. *Optics Letters*, **2006**, 31, 2867-9	3	10
101	MnTaO2N: Polar LiNbO3-type Oxynitride with a Helical Spin Order. *Angewandte Chemie*, **2015**, 127, 526-531	3.6	9
100	Enhancement of optical birefringence in tellurite glasses containing silver nanoparticles induced via thermal poling. *Journal of Non-Crystalline Solids*, **2011**, 357, 2259-2263	3.9	9
99	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
98	Optical Birefringence in Tellurite Glass Containing Silver Nanoparticles Precipitated through Thermal Process. *Applied Physics Express*, **2009**, 2, 102001	2.4	9
97	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
96	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

95	Structural phase transitions in EuNbO3 perovskite. *Journal of Solid State Chemistry*, **2016**, 239, 192-199	3.3	8
94	Fabrication of cerium-doped yttrium aluminum garnet thin films by a mist CVD method. *Journal of Luminescence*, **2016**, 170, 808-811	3.8	8
93	Magnetic structures of FeTiO3-Fe2O3 solid solution thin films studied by soft X-ray magnetic circular dichroism and ab initio multiplet calculations. *Applied Physics Letters*, **2014**, 104, 112408	3.4	8
92	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
91	Epitaxial Growth of Room-Temperature Ferrimagnetic Semiconductor Thin Films Based on Fe3O4-Fe2TiO4 Solid Solution. *Materials Transactions*, **2009**, 50, 1076-1080	1.3	8
90	Supramolecular assembly using helical peptides. *Advances in Biophysics*, **1997**, 34, 127-37		8
89	Temperature-tunable scattering strength based on the phase transition of liquid crystal infiltrated in well-defined macroporous random media. *Optical Materials*, **2007**, 29, 949-954	3.3	8
88	Variation of emission spectra of Er3+-doped YAG-based solid solution. *Journal of Alloys and Compounds*, **2006**, 408-412, 788-790	5.7	8
87	The relationship between magneto-optical properties and molecular chirality. *NPG Asia Materials*, **2016**, 8, e251-e251	10.3	8
86	Visible and near-infrared photoluminescence enhanced by Ag nanoparticles in Sm3+-doped aluminoborate glass. *Optical Materials*, **2018**, 86, 611-616	3.3	8
85	Preparation of yttrium iron garnet thin films by mist chemical vapor deposition method and their magneto-optical properties. *Japanese Journal of Applied Physics*, **2014**, 53, 05FB17	1.4	7
84	Development of Non-Siliceous Porous Materials and Emerging Applications. *Bulletin of the Chemical Society of Japan*, **2012**, 85, 415-432	5.1	7
83	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
82	Intense visible emissions from d 0 ions-doped silicate glasses. *Journal of the Ceramic Society of Japan*, **2008**, 116, 1147-1149	1	7
81	Fabrication of dye-infiltrated macroporous silica for laser amplification. *Journal of Non-Crystalline Solids*, **2004**, 345-346, 438-442	3.9	7
80	Photoreduction of Ag+ in aluminoborate glasses induced by irradiation of a femtosecond laser. *Journal of Materials Research*, **2005**, 20, 644-648	2.5	7
79	Photoinduced Valence Changes of Samarium Ions Inside a Silica-Based Glass with Near- Infrared Femtosecond-Laser Pulses: Materials for Three-Dimensional Optical Memory. *Japanese Journal of Applied Physics*, **2001**, 40, 1651-1652	1.4	7
78	Ultrashort-laser-pulse-induced persistent spectral hole burning of Eu(3+) in sodium borate glasses. *Optics Letters*, **2001**, 26, 1681-3	3	7

77	AgCu3V4O12: a novel perovskite containing mixed-valence silver ions. *Inorganic Chemistry*, **2013**, 52, 13824-6	5.1	6
76	Photobleaching in Y3Al5O12:Ce3+macroporous monoliths prepared via sol gel route accompanied by phase separation. *IOP Conference Series: Materials Science and Engineering*, **2011**, 18, 052003	0.4	6
75	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
74	Magnetic Properties of Amorphous Fe2O3-R2O3 (R=La, Gd and Tb) Thin Films Fabricated by Sputtering Method. *Advanced Materials Research*, **2008**, 39-40, 207-212	0.5	6
73	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
72	Formation of photonic structures in Sm2+-doped aluminosilicate glasses through phase separation. *Journal of Non-Crystalline Solids*, **2006**, 352, 2496-2500	3.9	6
71	Room-temperature persistent spectral hole burning of Eu3+-doped sodium borate glasses. *Journal of Luminescence*, **2000**, 87-89, 682-684	3.8	6
70	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
69	Plasmonic mesostructures with aligned hotspots on highly oriented mesoporous silica films. *Optical Materials Express*, **2016**, 6, 2824	2.6	5
68	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
67	Giant Faraday Rotation through Ultrasmall Fe Clusters in Superparamagnetic FeO-SiO Vitreous Films. *Advanced Science*, **2017**, 4, 1600299	13.6	5
66	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
65	Controlling plasmonic properties of epitaxial thin films of indium tin oxide in the near-infrared region. *Journal of Physics: Conference Series*, **2015**, 619, 012056	0.3	5
64	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
63	Room temperature ferromagnetic phase in ZnO MnO2 system via solid-state reaction. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 2095-2096	2.8	5
62	Formation of Interconnected Macropores in Sm2+-doped Silicate Glasses through Phase Separation: Fabrication of Photosensitive and Dielectrically Disordered Materials. *Chemistry Letters*, **2004**, 33, 1120-1121	1.7	5
61	Perovskite-Type CuNbO3 Exhibiting Unusual Noncollinear Ferrielectric to Collinear Ferroelectric Dipole Order Transition. *Chemistry of Materials*, **2020**, 32, 5016-5027	9.6	4
60	Multi-color light emissions from mesoporous silica particles embedded with Ga_2O_3 nanocrystals. *Optical Materials Express*, **2014**, 4, 518	2.6	4

59	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
58	Terbium Oxide, Fluoride, and Oxyfluoride Nanoparticles with Magneto-optical Properties. *Bulletin of the Chemical Society of Japan*, **2015**, 88, 1453-1458	5.1	4
57	Local Structure of Amorphous EuOTiO2 Thin Films Probed by X-Ray Absorption Fine Structure. *Journal of the American Ceramic Society*, **2012**, 95, 716-720	3.8	4
56	Enhanced form birefringence of metal nanoparticles with anisotropic shell mediated by localized surface plasmon resonance. *Optics Express*, **2011**, 19, 23581-9	3.3	4
55	Magnetic properties of disordered ferrite and ilmeniteematite thin films. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 818-821	2.8	4
54	Scattering-based hole burning through volume speckles in a random medium with tunable diffusion constant. *Applied Physics Letters*, **2008**, 93, 151912	3.4	4
53	Alkoxy-derived multiscale porous TiO2 gels probed by ultra-small-angle X-ray scattering and small-angle X-ray scattering. *Journal of Sol-Gel Science and Technology*, **2008**, 46, 63-69	2.3	4
52	Fabrication of Sm2+-doped macroporous aluminosilicate glasses with high alumina content. *Journal of Non-Crystalline Solids*, **2006**, 352, 2553-2557	3.9	4
51	Dehydration of Electrochemically Protonated Oxide: SrCoO with Square Spin Tubes. *Journal of the American Chemical Society*, **2021**, 143, 17517-17525	16.4	4
50	Preparation and properties of Sol–Gel derived CuFeO2 thin films by dip-coating technique. *Journal of the Ceramic Society of Japan*, **2015**, 123, 448-451	1	3
49	Plasmonic Mesostructures Prepared by Oriented Mesoporous Materials as a Template. *ECS Transactions*, **2015**, 69, 117-121	1	3
48	New Glasses for Photonics **2013**, 383-401		3
47	Photochemical Hole Burning of Sm2+ in Sodium Borate Glasses Induced by Near-Infrared Femtosecond-Laser Irradiation.. *Journal of the Ceramic Society of Japan*, **2001**, 109, 484-488		3
46	Persistent Spectral Hole Burning of Eu3+Ions in Silicate Glasses. *Japanese Journal of Applied Physics*, **1998**, 37, 2267-2270	1.4	3
45	PbBi3O4X3 (X = Cl, Br) with Single/Double Halogen Layers as a Photocatalyst for Visible-Light-Driven Water Splitting: Impact of a Halogen Layer on the Band Structure and Stability. *Chemistry of Materials*, **2021**, 33, 9580-9587	9.6	3
44	Surface Plasmon-Enhanced Optical Properties of Composite Materials Containing Metal Nanoparticles: Birefringence and Laser Oscillation. *ECS Transactions*, **2013**, 50, 85-94	1	2
43	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
42	Enhanced Faraday rotation of cube-shaped EuS nanocrystals with a magnetic coercive field. *IOP Conference Series: Materials Science and Engineering*, **2009**, 1, 012026	0.4	2

41	Random Dispersion of Metal Nanoparticles Can Form a Laser Cavity. *Chemistry Letters*, **2010**, 39, 532-537	1.7	2
40	Multi-Channel Waveform Sampling ASIC for Animal PET System **2006**,		2
39	Direct observation of the spatial distribution of samarium ions in alumina□silica macroporous monoliths by laser scanning confocal microscopy. *Journal of Alloys and Compounds*, **2006**, 408-412, 831-834	5.7	2
38	Ferromagnetism in Fe-doped □Ga2O3 Prepared by a Solid State Reaction. *Materials Research Society Symposia Proceedings*, **2004**, 853, 49		2
37	Temperature dependence of homogeneous line width of Eu3+ in sodium aluminosilicate glasses. *Journal of Luminescence*, **2002**, 98, 295-300	3.8	2
36	Macroporous Morphology Induced by Phase Separation in Sol-Gel Systems Derived from Titania Colloid. *Materials Research Society Symposia Proceedings*, **2003**, 788, 8141		2
35	Effect of sodium ions on persistent spectral hole burning in Pr3+-doped silicate glasses. *Journal of Luminescence*, **2000**, 86, 297-304	3.8	2
34	Triboluminescence of Rare-Earth-Doped Aluminosilicates and Its Application to Sensing of Structural Damage. *Materials Research Society Symposia Proceedings*, **1999**, 604, 323		2
33	Oxygen Release and Storage Property of Fe-Al Spinel Compounds: A Three-Way Catalytic Reaction over a Supported Rh Catalyst. *ACS Applied Materials & Interfaces*, **2021**, 13, 24615-24623	9.5	2
32	Structural origin of thermal shrinkage in soda-lime silicate glass below the glass transition temperature: A theoretical investigation by microsecond timescale molecular dynamics simulations. *Journal of Chemical Physics*, **2021**, 155, 044501	3.9	2
31	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
30	Instability of spin glass phase in divalent iron phosphate glass under a magnetic field. *Journal of Physics Condensed Matter*, **2017**, 29, 025802	1.8	1
29	Superspin glass behavior of amorphous FeO□SiO2thin films. *Japanese Journal of Applied Physics*, **2014**, 53, 05FB11	1.4	1
28	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
27	Effect of Substrate Strain and Interface on Magnetic Properties of EuTiO3 Thin Film. *Materials Research Society Symposia Proceedings*, **2012**, 1454, 149-159		1
26	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
25	Epitaxial growth of ferrimagnetic semiconductor 0.4Fe3O4□0.6Fe2TiO4solid solution thin films on MgO(100) substrates. *Journal of Physics: Conference Series*, **2010**, 200, 062013	0.3	1
24	Low-temperature growth of highly crystallized FeTiO3-Fe2O3solid solution thin films with smooth surface morphology. *Journal of Physics: Conference Series*, **2010**, 200, 062011	0.3	1

23	Second-Harmonic Generation in Thermally Poled Na2O-Al2O3-TeO2 Glasses. *Advanced Materials Research*, **2008**, 39-40, 247-252	0.5	1
22	Phase Separation in Al2O3 Sol-gel System Incorporated with High Molecular Weight Poly(ethylene oxide). *Materials Research Society Symposia Proceedings*, **2007**, 1007, 1		1
21	Nanosized modification of transparent materials using femtosecond laser irradiation **2006**, 6413, 163		1
20	Spatial manipulation of the valence state of Sm2+ due to interference of multiply scattered light in strongly scattering media. *Journal of Non-Crystalline Solids*, **2004**, 345-346, 407-411	3.9	1
19	Novel Er3+-doped glass-ceramics with extra-broad emission for S+- and U-band amplifier **2003**,		1
18	Topochemical synthesis of perovskite-type CuNb2O6 with colossal dielectric constant. *Journal of Materials Chemistry C*,	7.1	1
17	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
16	Electronic Structure of Ilmenite and Ilmenite-Hematite Solid Solution Using Hard X-Ray Photoemission Spectroscopy. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2014**, 61, S57-S59	0.2	
15	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	
14	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	
13	Rattling in the Quadruple Perovskite CuCu3V4O12. *Angewandte Chemie*, **2015**, 127, 11020-11024	3.6	
12	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	
11	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	
10	Direct Imaging of Ordered Structures and Antiphase Boundaries in FeTiO3-Fe2O3 Solid Solution Thin Films. *Materia Japan*, **2009**, 48, 598-598	0.1	
9	Optical Functions of Glass Materials Induced by Thermal Poling/Ion Implantation Technique. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2010**, 57, 500-507	0.2	
8	Effect of orifice location on heat transfer in a duct filled with pressurized He II. *IEEE Transactions on Applied Superconductivity*, **2004**, 14, 1762-1765	1.8	
7	Formation of photonic structures in Sm2+-doped aluminosilicate glasses through phase separation **2005**, 5720, 261		
6	Fabrication of macroporous TiO 2 monoliths for photonic applications **2005**, 5720, 233		

5	Control of Light Scattering in Organic-inorganic Hybrid Macroporous Monoliths. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2005**, 52, 781-785	0.2
4	II : Gas Phase Crystal Growth and Characterization of New Magnetic Oxide Thin Films. *Zairyo/Journal of the Society of Materials Science, Japan*, **2006**, 55, 971-975	0.1
3	How Can We Control the Element-Blocks in Transition Metal Oxide Crystals? **2019**, 253-271	
2	OPTICAL RESPONSE OF MESOPOROUS SILICA LAYER ON PLASMONIC ARRAY TO ISOPROPANOL VAPOR. *Ceramic Engineering and Science Proceedings*,59-68	0.1
1	Random Laser Oscillation with Low Threshold and Optical Microresonator Based on Nanostructured Metals. *The Review of Laser Engineering*, **2016**, 44, 527	0