

Koji Fujita

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3209410/publications.pdf>

Version: 2024-02-01

230
papers

5,434
citations

81743

39
h-index

114278

63
g-index

242
all docs

242
docs citations

242
times ranked

5466
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Monolithic Al ₂ O ₃ with Well-Defined Macropores and Mesostructured Skeletons via the Sol-Gel Process Accompanied by Phase Separation. Chemistry of Materials, 2007, 19, 3393-3398.	3.2	198
2	Wavelength-Tunable Spasing in the Visible. Nano Letters, 2013, 13, 4106-4112.	4.5	166
3	Monolithic TiO ₂ with Controlled Multiscale Porosity via a Template-Free Sol-Gel Process Accompanied by Phase Separation. Chemistry of Materials, 2006, 18, 6069-6074.	3.2	162
4	Random lasers with coherent feedback from highly transparent polymer films embedded with silver nanoparticles. Applied Physics Letters, 2008, 92, .	1.5	127
5	Periodic Nanovoid Structures via Femtosecond Laser Irradiation. Nano Letters, 2005, 5, 1591-1595.	4.5	125
6	A labile hydride strategy for the synthesis of heavily nitridized BaTiO ₃ . Nature Chemistry, 2015, 7, 1017-1023.	6.6	118
7	Plasmonically Controlled Lasing Resonance with Metallic Dielectric Core-Shell Nanoparticles. Nano Letters, 2011, 11, 1374-1378.	4.5	117
8	Crystalline ZrO ₂ Monoliths with Well-Defined Macropores and Mesostructured Skeletons Prepared by Combining the Alkoxy-Derived Sol-Gel Process Accompanied by Phase Separation and the Solvothermal Process. Chemistry of Materials, 2008, 20, 2165-2173.	3.2	110
9	Accelerated discovery of cathode materials with prolonged cycle life for lithium-ion battery. Nature Communications, 2014, 5, 4553.	5.8	108
10	First-principles XANES simulations of spinel zinc ferrite with a disordered cation distribution. Physical Review B, 2007, 75, .	1.1	105
11	Antiferromagnetic superexchange via $\langle \text{Ti} \text{---} \text{O} \text{---} \text{Ti} \rangle$ states of titanium in EuTiO ₃ as seen from hybrid Hartree-Fock density functional calculations. Physical Review B, 2011, 83, .	1.1	104
12	Coherent random lasers in weakly scattering polymer films containing silver nanoparticles. Physical Review A, 2009, 79, .	1.0	103
13	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.	1.5	100
14	Sol-gel synthesis of macro-mesoporous titania monoliths and their applications to chromatographic separation media for organophosphate compounds. Journal of Chromatography A, 2009, 1216, 7375-7383.	1.8	97
15	High magnetization and the high-temperature superparamagnetic transition with intercluster interaction in disordered zinc ferrite thin film. Journal of Physics Condensed Matter, 2005, 17, 137-149.	0.7	91
16	Ferroelectric Sr ₃ Zr ₂ O ₇ : Competition between Hybrid Improper Ferroelectric and Antiferroelectric Mechanisms. Advanced Functional Materials, 2018, 28, 1801856.	7.8	89
17	Remarkable Magneto-Optical Properties of Europium Selenide Nanoparticles with Wide Energy Gaps. Journal of the American Chemical Society, 2008, 130, 5710-5715.	6.6	87
18	Structural characterization of hierarchically porous alumina aerogel and xerogel monoliths. Journal of Colloid and Interface Science, 2009, 338, 506-513.	5.0	87

#	ARTICLE	IF	CITATIONS
19	Phase-Separation-Induced Titania Monoliths with Well-Defined Macropores and Mesostructured Framework from Colloid-Derived Sol-Gel Systems. <i>Chemistry of Materials</i> , 2006, 18, 864-866.	3.2	85
20	Room-Temperature Polar Ferromagnet ScFeO_3 Transformed from a High-Pressure Orthorhombic Perovskite Phase. <i>Journal of the American Chemical Society</i> , 2014, 136, 15291-15299.	6.6	78
21	Hybrid Improper Ferroelectricity in $(\text{Sr,Ca})_3\text{Sn}_2\text{O}_7$ 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> , 2018, 140, 15690-15700.	6.6	74
22	Metal-Dielectric Core-Shell Nanoparticles: Advanced Plasmonic Architectures Towards Multiple Control of Random Lasers. <i>Advanced Optical Materials</i> , 2013, 1, 573-580.	3.6	62
23	Room-temperature persistent spectral hole burning of Eu^{3+} in sodium aluminosilicate glasses. <i>Optics Letters</i> , 1998, 23, 543.	1.7	60
24	Inversion Symmetry Breaking by Oxygen Octahedral Rotations in the Ruddlesden-Popper $\text{Na}_x\text{RTi}_x\text{O}_{6-x}$. <i>Physical Review Letters</i> , 2014, 112, 187602.	3.9	60
25	High-quality antiferromagnetic EuTiO_3 epitaxial thin films on SrTiO_3 prepared by pulsed laser deposition and postannealing. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	58
26	Unidirectional Spaser in Symmetry-Broken Plasmonic Core-Shell Nanocavity. <i>Scientific Reports</i> , 2013, 3, 1241.	1.6	55
27	Crystal and Electronic Structure and Magnetic Properties of Divalent Europium Perovskite Oxides Eu_xMO_3 ($x = \text{Ti, Zr, and Hf}$): Experimental and First-Principles Approaches. <i>Inorganic Chemistry</i> , 2012, 51, 4560-4567.	1.9	54
28	An Antiferro-to-Ferromagnetic Transition in EuTiO_3H_x Induced by Hydride Substitution. <i>Inorganic Chemistry</i> , 2015, 54, 1501-1507.	1.9	52
29	Topochemical Nitridation with Anion Vacancy-Assisted $\text{N}^{3-}/\text{O}^{2-}$ Exchange. <i>Journal of the American Chemical Society</i> , 2016, 138, 3211-3217.	6.6	47
30	High magnetization and the Faraday effect for ferrimagnetic zinc ferrite thin film. <i>Journal of Physics Condensed Matter</i> , 2003, 15, L469-L474.	0.7	46
31	Strong light scattering in macroporous TiO_2 monoliths induced by phase separation. <i>Applied Physics Letters</i> , 2004, 85, 5595-5597.	1.5	46
32	Full color triboluminescence of rare-earth-doped hexacelsian ($\text{BaAl}_2\text{Si}_2\text{O}_8$). <i>Solid State Communications</i> , 1998, 107, 763-767.	0.9	45
33	Sol-gel Synthesis of Macroporous YAG from Ionic Precursors via Phase Separation Route. <i>Journal of the Ceramic Society of Japan</i> , 2007, 115, 925-928.	0.5	45
34	Plasmonic arrays of titanium nitride nanoparticles fabricated from epitaxial thin films. <i>Optics Express</i> , 2016, 24, 1143.	1.7	45
35	Faraday effect of sodium borate glasses containing divalent europium ions. <i>Journal of Applied Physics</i> , 1997, 82, 840-844.	1.1	43
36	LiNbO_3 -Type InFeO_3 : Room-Temperature Polar Magnet without Second-Order Jahn-Teller Active Ions. <i>Chemistry of Materials</i> , 2016, 28, 6644-6655.	3.2	43

#	ARTICLE	IF	CITATIONS
37	Preparation and magnetic properties of oxygen deficient EuTiO ₃ thin films. Journal of Magnetism and Magnetic Materials, 2007, 310, 2268-2270.	1.0	42
38	Strong Spin-Lattice Coupling Through Oxygen Octahedral Rotation in Divalent Europium Perovskites. Advanced Functional Materials, 2013, 23, 1864-1872.	7.8	41
39	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.	0.9	40
40	Electrical Properties of Epitaxial Thin Films of Oxyhydrides ATiO ₃ H (A = Ba and Sr). Chemistry of Materials, 2015, 27, 6354-6359.	3.2	40
41	Thermal annealing effect on magnetism and cation distribution in disordered ZnFe ₂ O ₄ thin films deposited on glass substrates. Journal of Magnetism and Magnetic Materials, 2007, 310, 2543-2545.	1.0	39
42	MnTaO ₂ N: Polar LiNbO ₃ -type Oxynitride with a Helical Spin Order. Angewandte Chemie - International Edition, 2015, 54, 516-521.	7.2	39
43	Antiferromagnetism of perovskite EuZrO ₃ . Journal of Solid State Chemistry, 2010, 183, 168-172.	1.4	38
44	Magnetodielectric effect in EuZrO ₃ . Applied Physics Letters, 2010, 96, .	1.5	37
45	Magneto-optical properties of transparent divalent iron phosphate glasses. Applied Physics Letters, 2008, 92, .	1.5	36
46	Optical-telecommunication-band fluorescence properties of Er ³⁺ -doped YAG nanocrystals synthesized by glycothermal method. Optical Materials, 2005, 27, 655-662.	1.7	34
47	Cr ³⁺ -doped macroporous Al ₂ O ₃ monoliths prepared by the metal-salt-derived sol-gel method. Journal of Non-Crystalline Solids, 2008, 354, 659-664.	1.5	34
48	Epitaxial growth of room-temperature ferrimagnetic semiconductor thin films based on the ilmenite-hematite solid solution. Applied Physics Letters, 2006, 89, 082509.	1.5	32
49	Room-temperature ferrimagnetic semiconductor 0.6FeTiO ₃ ·0.4Fe ₂ O ₃ solid solution thin films. Applied Physics Letters, 2006, 89, 142503.	1.5	30
50	Random lasing in ballistic and diffusive regimes for macroporous silica-based systems with tunable scattering strength. Optics Express, 2010, 18, 12153.	1.7	30
51	Scattering-Based Hole Burning in Y ₃ Al ₅ O ₁₂ :Ce ³⁺ Monoliths with Hierarchical Porous Structures Prepared via the Sol-Gel Route. Journal of Physical Chemistry C, 2011, 115, 17676-17681.	1.5	30
52	Fluorescence line narrowing spectroscopy of Sm ²⁺ and Eu ³⁺ in sodium borate glasses. Journal of Applied Physics, 1997, 81, 924-930.	1.1	29
53	Directional outcoupling of photoluminescence from Eu(III)-complex thin films by plasmonic array. APL Photonics, 2017, 2, .	3.0	29
54	Enhanced photoluminescence and directional white-light generation by plasmonic array. Journal of Applied Physics, 2018, 124, .	1.1	29

#	ARTICLE	IF	CITATIONS
55	Large Faraday effect and local structure of alkali silicate glasses containing divalent europium ions. <i>Journal of Materials Research</i> , 1998, 13, 1989-1995.	1.2	28
56	Improper Inversion Symmetry Breaking and Piezoelectricity through Oxygen Octahedral Rotations in Layered Perovskite Family, LiR_4TiO_4 ($\text{R} = \text{Rare Earths}$). <i>Advanced Electronic Materials</i> , 2016, 2, 1500196.	2.6	28
57	Morphology Control of Phase-Separation-Induced Alumina-Silica Macroporous Gels for Rare-Earth-Doped Scattering Media. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16670-16676.	1.2	27
58	Second-harmonic generation in thermally poled chalcogenide glass. <i>Optics Letters</i> , 2006, 31, 3492.	1.7	26
59	Spin dynamics in $\text{Fe}_2\text{O}_3\text{-TeO}_2$ glass: Experimental evidence for an amorphous oxide spin glass. <i>Physical Review B</i> , 2006, 74, .	1.1	26
60	Enhancement of Optical Faraday Effect of Nonanuclear Tb(III) Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 7635-7641.	1.9	26
61	$\text{ZnTa}_2\text{O}_7\text{N}$: Stabilized High-Temperature LiNbO_3 -type Structure. <i>Journal of the American Chemical Society</i> , 2016, 138, 15950-15955.	6.6	26
62	Plasmonic-Photonic Hybrid Modes Excited on a Titanium Nitride Nanoparticle Array in the Visible Region. <i>ACS Photonics</i> , 2017, 4, 815-822.	3.2	26
63	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> , 1998, 31, 2622-2627.	1.3	25
64	Preparation and Faraday effect of EuS microcrystal-embedded oxide thin films. <i>Journal of Applied Physics</i> , 2001, 89, 2213-2219.	1.1	25
65	First Observation of Faraday Effect of EuS Nanocrystals in Polymer Thin Films. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L876-L878.	0.8	25
66	Large Faraday effect in a short wavelength range for disordered zinc ferrite thin films. <i>Journal of Applied Physics</i> , 2006, 99, 106103.	1.1	25
67	Magnetic properties of mixed-valence iron phosphate glasses. <i>Physical Review B</i> , 2009, 80, .	1.1	25
68	Magnetic properties of oxide glasses containing iron and rare-earth ions. <i>Physical Review B</i> , 2011, 84, .	1.1	25
69	A-Site-Ordered Perovskite $\text{MnCu}_3\text{V}_4\text{O}_{12}$ with a 12-Coordinated Manganese(II). <i>Inorganic Chemistry</i> , 2013, 52, 11538-11543.	1.9	25
70	Demonstration of temperature-plateau superheated liquid by photothermal conversion of plasmonic titanium nitride nanostructures. <i>Nanoscale</i> , 2018, 10, 18451-18456.	2.8	24
71	Optically produced cross patterning based on local dislocations inside MgO single crystals. <i>Applied Physics Letters</i> , 2007, 90, 163110.	1.5	23
72	Magnetic phase transitions in $\text{Fe}_2\text{O}_3\text{-Bi}_2\text{O}_3\text{-B}_2\text{O}_3$ glasses. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 235216.	0.7	22

#	ARTICLE	IF	CITATIONS
73	Effective Optical Faraday Rotations of Semiconductor EuS Nanocrystals with Paramagnetic Transition-Metal Ions. <i>Journal of the American Chemical Society</i> , 2013, 135, 2659-2666.	6.6	22
74	Rattling in the Quadruple Perovskite $\text{CuCu}_3\text{V}_4\text{O}_{12}$. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10870-10874.	7.2	22
75	Competing Structural Instabilities in the Ruddlesden-Popper Derivatives RTiO_4 (R = Rare) by Total Internal Reflection. <i>Chemistry of Materials</i> , 2017, 29, 656-665.	3.2	22
76	Photochemical Hole Burning and Local Structural Change in Sm^{2+} -Doped Borate Glasses. <i>Journal of the American Ceramic Society</i> , 1996, 79, 327-332.	1.9	21
77	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. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3689-3694.	0.9	21
78	Effect of Microscopic Structure and Porosity on the Photoluminescence Properties of Silica Gels. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10878-10882.	1.5	21
79	Random lasing from localized modes in strongly scattering systems consisting of macroporous titania monoliths infiltrated with dye solution. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	21
80	Magneto-optical properties of Eu^{2+} -containing aluminoborosilicate glasses with ferromagnetic interactions. <i>Optical Materials</i> , 2013, 35, 1997-2000.	1.7	21
81	Intersubband absorption in narrow Si/SiGe multiple quantum wells without interfacial smearing. <i>Applied Physics Letters</i> , 1992, 61, 210-212.	1.5	20
82	Photochemical reactions of samarium ions in sodium borate glasses irradiated with near-infrared femtosecond laser pulses. <i>Journal of Luminescence</i> , 2002, 98, 317-323.	1.5	20
83	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> , 2012, 116, 19590-19596.	1.5	20
84	Ferromagnetic Eu^{2+} -doped aluminoborosilicate oxide glasses with reentrant spin glass behavior. <i>Physical Review B</i> , 2010, 81, .	1.5	20
85	Magnetic and transport properties of EuTiO_3 thin films doped with Nb. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 05FJ07.	0.8	19
86	Substrate-induced anion rearrangement in epitaxial thin films of $\text{LaSrCoO}_{4-x}\text{H}_x$. <i>CrystEngComm</i> , 2014, 16, 9669-9674.	1.3	19
87	Mössbauer Spectroscopy of Borate Glasses Containing Divalent Europium Ions. <i>Journal of the American Ceramic Society</i> , 1998, 81, 1845-1851.	1.9	18
88	Direct creation of a photoinduced metallic structure and its optical properties in the terahertz frequency region. <i>Optics Letters</i> , 2010, 35, 1719.	1.7	18
89	Magnetic properties of disordered oxides with iron and manganese ions. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 1347-1352.	1.5	17
90	Optical properties of macroporous $\text{Y}_3\text{Al}_5\text{O}_{12}$ crystals doped with rare earth ions synthesized via sol-gel process from ionic precursors. <i>Optical Materials</i> , 2010, 33, 123-127.	1.7	17

#	ARTICLE	IF	CITATIONS
91	Ferromagnetism induced by lattice volume expansion and amorphization in EuTiO_3 thin films. <i>Journal of Materials Research</i> , 2013, 28, 1031-1041.	1.2	17
92	Enhanced Photoluminescence from Organic Dyes Coupled to Periodic Array of Zirconium Nitride Nanoparticles. <i>ACS Photonics</i> , 2018, 5, 3057-3063.	3.2	17
93	Triboluminescence of $(\text{Sr,Ba})\text{Al}_2\text{O}_4$ Polycrystals Doped with Eu^{3+} and Eu^{2+} . <i>Japanese Journal of Applied Physics</i> , 2002, 41, 1419-1423.	0.8	16
94	Tailoring Photonic Strength in Monolithic Macroporous Silica for Random Media. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 5359-5364.	0.8	16
95	Tuning the wavelength of amplified spontaneous emission coupled to localized surface plasmon. <i>Applied Physics Letters</i> , 2012, 101, 031117.	1.5	16
96	Collective plasmonic modes excited in Al nanocylinder arrays in the UV spectral region. <i>Optics Express</i> , 2018, 26, 5970.	1.7	16
97	Persistent spectral hole burning of Eu^{3+} ions in sodium aluminosilicate glasses. <i>Journal of Applied Physics</i> , 1997, 82, 5114-5120.	1.1	15
98	Second-order nonlinearity and optical image storage in phenyl-silica hybrid films doped with azo-dye chromophore using optical poling technique. <i>Optics Communications</i> , 2000, 185, 467-472.	1.0	15
99	Room-temperature photochemical hole burning of Eu^{3+} in sodium borate glasses. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 6411-6419.	0.7	15
100	Phase-selective cathodoluminescence spectroscopy of Er:YAG glass-ceramics. <i>Solid State Communications</i> , 2004, 132, 19-23.	0.9	15
101	Morphological control and strong light scattering in macroporous TiO_2 monoliths prepared via a colloid-derived sol-gel route. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 511-518.	2.8	15
102	Intense greenish emission from d0 transition metal ion Ti^{4+} in oxide glass. <i>Applied Physics Letters</i> , 2007, 90, 051917.	1.5	15
103	Visible and near-infrared photoluminescence enhanced by Ag nanoparticles in Sm^{3+} -doped aluminoborate glass. <i>Optical Materials</i> , 2018, 86, 611-616.	1.7	15
104	Dehydration of Electrochemically Protonated Oxide: SrCoO_2 with Square Spin Tubes. <i>Journal of the American Chemical Society</i> , 2021, 143, 17517-17525.	6.6	15
105	Self-assembly of mastoparan X derivative having fluorescence probe in lipid bilayer membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1195, 157-163.	1.4	14
106	Intense blue emission from tantalum-doped silicate glass. <i>Applied Physics Letters</i> , 2006, 89, 061914.	1.5	14
107	Mechanical milling-induced room-temperature ferromagnetic phase in $\text{MnO}_2\text{-ZnO}$ system. <i>Applied Physics Letters</i> , 2006, 89, 052501.	1.5	14
108	Enhanced Magneto-optical Properties of Semiconductor EuS Nanocrystals Assisted by Surface Plasmon Resonance of Gold Nanoparticles. <i>Chemistry - A European Journal</i> , 2013, 19, 14438-14445.	1.7	14

#	ARTICLE	IF	CITATIONS
109	Faraday effect of bismuth iron garnet thin film prepared by mist CVD method. Japanese Journal of Applied Physics, 2015, 54, 063001.	0.8	14
110	Triboluminescence of alkaline earth aluminate polycrystals doped with Dy ³⁺ . Journal of Applied Physics, 2000, 88, 4069.	1.1	13
111	Room-temperature grating-based morphological hole burning in Sm ²⁺ -doped glass powders. Optics Letters, 2003, 28, 567.	1.7	13
112	Preparation and magnetic properties of amorphous EuTiO ₃ thin films. Journal of Non-Crystalline Solids, 2010, 356, 2389-2392.	1.5	13
113	Modified Faraday rotation in a three-dimensional magnetophotonic opal crystal consisting of maghemite/silica composite spheres. Applied Physics Letters, 2012, 101, .	1.5	13
114	Local structure and persistent spectral hole burning of Sm ²⁺ in silica-based fibers. Journal of Luminescence, 2000, 86, 305-310.	1.5	12
115	Spin dynamics in oxide glass of Fe ₂ O ₃ -Bi ₂ O ₃ -B ₂ O ₃ system. Journal of Magnetism and Magnetic Materials, 2007, 310, 1506-1507.	1.0	12
116	Impact of amorphization on the magnetic properties of EuO-TiO_2 . Physical Review B, 2010, 82, .	1.1	12
117	Novel opto-magnetic silicate glass with semiconductor EuS nanocrystals. Journal of Alloys and Compounds, 2013, 562, 123-127.	2.8	12
118	Structural phase transitions in EuNbO ₃ perovskite. Journal of Solid State Chemistry, 2016, 239, 192-199.	1.4	12
119	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.	3.2	12
120	High-density excitation effect on photoluminescence in ZnO nanoparticles. Journal of Applied Physics, 2010, 107, 124311.	1.1	11
121	Magnetic structures of FeTiO ₃ -Fe ₂ O ₃ solid solution thin films studied by soft X-ray magnetic circular dichroism and <i>ab initio</i> multiplet calculations. Applied Physics Letters, 2014, 104, .	1.5	11
122	The relationship between magneto-optical properties and molecular chirality. NPG Asia Materials, 2016, 8, e251-e251.	3.8	11
123	Perovskite-Type CuNbO ₃ Exhibiting Unusual Noncollinear Ferrielectric to Collinear Ferroelectric Dipole Order Transition. Chemistry of Materials, 2020, 32, 5016-5027.	3.2	11
124	PbBi ₃ O ₄ X ₃ (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.	3.2	11
125	Supramolecular assembly using helical peptides. Advances in Biophysics, 1997, 34, 127-137.	0.6	10
126	Two-photon-excited fluorescence from silicate glass containing tantalum ions pumped by a near-infrared femtosecond pulsed laser. Optics Letters, 2006, 31, 2867.	1.7	10

#	ARTICLE	IF	CITATIONS
127	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> , 2007, 102, 073515.	1.1	10
128	Fabrication of p-type ferrimagnetic semiconductor thin films based on $\text{FeTiO}_3\text{-Fe}_2\text{O}_3$ solid solution. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 2105-2107.	1.0	10
129	Magnetic properties of ilmenite-hematite solid-solution thin films: Direct observation of antiphase boundaries and their correlation with magnetism. <i>Physical Review B</i> , 2009, 80, .	1.1	10
130	Enhanced magnetization and ferrimagnetic behavior of normal spinel ZnFe_2O_4 thin film irradiated with femtosecond laser. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 94, 83.	1.1	10
131	Enhancement of optical birefringence in tellurite glasses containing silver nanoparticles induced via thermal poling. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 2259-2263.	1.5	10
132	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> , 2019, 36, E1.	0.9	10
133	Ultrashort-laser-pulse-induced persistent spectral hole burning of Eu^{3+} in sodium borate glasses. <i>Optics Letters</i> , 2001, 26, 1681.	1.7	9
134	Photoinduced Valence Changes of Samarium Ions Inside a Silica-Based Glass with Near- Infrared Femtosecond-Laser Pulses: Materials for Three-Dimensional Optical Memory. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 1651-1652.	0.8	9
135	Variation of emission spectra of Er^{3+} -doped YAG-based solid solution. <i>Journal of Alloys and Compounds</i> , 2006, 408-412, 788-790.	2.8	9
136	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> , 2009, 6, S102.	0.8	9
137	Optical Birefringence in Tellurite Glass Containing Silver Nanoparticles Precipitated through Thermal Process. <i>Applied Physics Express</i> , 2009, 2, 102001.	1.1	9
138	Epitaxial Growth of Room-Temperature Ferrimagnetic Semiconductor Thin Films Based on $\text{Fe}_3\text{O}_4\text{-Fe}_2\text{TiO}_4$ Solid Solution. <i>Materials Transactions</i> , 2009, 50, 1076-1080.	0.4	9
139	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> , 2012, 9, 2533-2536.	0.8	9
140	$\text{AgCu}_3\text{V}_4\text{O}_{12}$: a Novel Perovskite Containing Mixed-Valence Silver ions. <i>Inorganic Chemistry</i> , 2013, 52, 13824-13826.	1.9	9
141	Fabrication of cerium-doped yttrium aluminum garnet thin films by a mist CVD method. <i>Journal of Luminescence</i> , 2016, 170, 808-811.	1.5	9
142	Temperature-tunable scattering strength based on the phase transition of liquid crystal infiltrated in well-defined macroporous random media. <i>Optical Materials</i> , 2007, 29, 949-954.	1.7	8
143	Intense visible emissions from D_0 ions-doped silicate glasses. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 1147-1149.	0.5	8
144	Ferromagnetic properties with reentrant spin-glass behavior in amorphous EuZrO_3 thin film. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 3051-3054.	0.8	8

#	ARTICLE	IF	CITATIONS
145	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.	0.8	8
146	Fabrication of dye-infiltrated macroporous silica for laser amplification. Journal of Non-Crystalline Solids, 2004, 345-346, 438-442.	1.5	7
147	Photoreduction of Ag ⁺ in aluminoborate glasses induced by irradiation of a femtosecond laser. Journal of Materials Research, 2005, 20, 644-648.	1.2	7
148	Formation of photonic structures in Sm ²⁺ -doped aluminosilicate glasses through phase separation. Journal of Non-Crystalline Solids, 2006, 352, 2496-2500.	1.5	7
149	Development of Non-Siliceous Porous Materials and Emerging Applications. Bulletin of the Chemical Society of Japan, 2012, 85, 415-432.	2.0	7
150	Local Structure of Amorphous $\text{EuO} \cdot \text{TiO}_2$ Thin Films Probed by X-Ray Absorption Fine Structure. Journal of the American Ceramic Society, 2012, 95, 716-720.	1.9	7
151	Ferromagnetic amorphous oxides in the $\text{EuO} \cdot \text{TiO}_2$ system studied by the Faraday effect in the visible region and the x-ray magnetic circular dichroism at the Eu site.	1.1	7
152	Terbium Oxide, Fluoride, and Oxyfluoride Nanoparticles with Magneto-optical Properties. Bulletin of the Chemical Society of Japan, 2015, 88, 1453-1458.	2.0	7
153	Perovskite-Type InCoO_3 with Low-Spin Co^{3+} : Effect of $\text{In} \cdot \text{O}$ Covalency on Structural Stabilization in Comparison with Rare-Earth Series. Inorganic Chemistry, 2017, 56, 11113-11122.	1.9	7
154	A-site cation size effect on oxygen octahedral rotations in acentric Ruddlesden-Popper alkali rare-earth titanates. Physical Review Materials, 2019, 3, .	0.9	7
155	Room-temperature persistent spectral hole burning of Eu^{3+} -doped sodium borate glasses. Journal of Luminescence, 2000, 87-89, 682-684.	1.5	6
156	Magnetic Properties of Amorphous Fe_2O_3 - R_2O_3 (R=La, Gd and Tb) Thin Films Fabricated by Sputtering Method. Advanced Materials Research, 2008, 39-40, 207-212.	0.3	6
157	Structural and Magnetic Properties of CdFe_2O_4 Thin Films Fabricated via Sputtering Method. IEEE Transactions on Magnetics, 2008, 44, 2796-2799.	1.2	6
158	Photobleaching in $\text{Y}_3\text{Al}_5\text{O}_{12}:\text{Ce}^{3+}$ macroporous monoliths prepared via sol-gel route accompanied by phase separation. IOP Conference Series: Materials Science and Engineering, 2011, 18, 052003.	0.3	6
159	Mesoporous silica layer on plasmonic array: light trapping in a layer with a variable index of refraction. Optical Materials Express, 2016, 6, 2736.	1.6	6
160	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.	1.2	6
161	Formation of Interconnected Macropores in Sm^{2+} -doped Silicate Glasses through Phase Separation: Fabrication of Photosensitive and Dielectrically Disordered Materials. Chemistry Letters, 2004, 33, 1120-1121.	0.7	5
162	Fabrication of Sm^{2+} -doped macroporous aluminosilicate glasses with high alumina content. Journal of Non-Crystalline Solids, 2006, 352, 2553-2557.	1.5	5

#	ARTICLE	IF	CITATIONS
163	Room temperature ferromagnetic phase in ZnOâ€“MnO ₂ system via solid-state reaction. Journal of Magnetism and Magnetic Materials, 2007, 310, 2095-2096.	1.0	5
164	Enhanced form birefringence of metal nanoparticles with anisotropic shell mediated by localized surface plasmon resonance. Optics Express, 2011, 19, 23581.	1.7	5
165	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
166	Plasmonic mesostructures with aligned hotspots on highly oriented mesoporous silica films. Optical Materials Express, 2016, 6, 2824.	1.6	5
167	Giant Faraday Rotation through Ultrasmall Fe ⁰ Clusters in Superparamagnetic FeOâ€“SiO ₂ Vitreous Films. Advanced Science, 2017, 4, 1600299.	5.6	5
168	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.	1.0	5
169	Interplay between Oxygen Octahedral Rotation and Deformation in the Acentric <i>AR</i> TiO ₄ Series toward Negative Thermal Expansion. Chemistry of Materials, 2022, 34, 6492-6504.	3.2	5
170	Triboluminescence of Rare-Earth-Doped Aluminosilicates and Its Application to Sensing of Structural Damage. Materials Research Society Symposia Proceedings, 1999, 604, 323.	0.1	4
171	Alkoxy-derived multiscale porous TiO ₂ 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.	1.1	4
172	Scattering-based hole burning through volume speckles in a random medium with tunable diffusion constant. Applied Physics Letters, 2008, 93, 151912.	1.5	4
173	Magnetic properties of disordered ferrite and ilmeniteâ€“hematite thin films. Journal of Magnetism and Magnetic Materials, 2009, 321, 818-821.	1.0	4
174	Multi-color light emissions from mesoporous silica particles embedded with Ga ₂ O ₃ nanocrystals. Optical Materials Express, 2014, 4, 518.	1.6	4
175	Topochemical synthesis of perovskite-type CuNb ₂ O ₆ with colossal dielectric constant. Journal of Materials Chemistry C, 2021, 9, 13981-13990.	2.7	4
176	Oxygen Release and Storage Property of Feâ€“Al Spinel Compounds: A Three-Way Catalytic Reaction over a Supported Rh Catalyst. ACS Applied Materials & Interfaces, 2021, 13, 24615-24623.	4.0	4
177	Persistent Spectral Hole Burning of Eu ³⁺ Ions in Silicate Glasses. Japanese Journal of Applied Physics, 1998, 37, 2267-2270.	0.8	3
178	Photochemical Hole Burning of Sm ²⁺ in Sodium Borate Glasses Induced by Near-Infrared Femtosecond-Laser Irradiation.. Journal of the Ceramic Society of Japan, 2001, 109, 484-488.	1.3	3
179	Macroporous Morphology Induced by Phase Separation in Sol-Gel Systems Derived from Titania Colloid. Materials Research Society Symposia Proceedings, 2003, 788, 8141.	0.1	3
180	Direct observation of the spatial distribution of samarium ions in aluminaâ€“silica macroporous monoliths by laser scanning confocal microscopy. Journal of Alloys and Compounds, 2006, 408-412, 831-834.	2.8	3

#	ARTICLE	IF	CITATIONS
181	Random Lasing Actions Induced by Silver Nanoprisms. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2009, 56, 645-650.	0.1	3
182	Random Dispersion of Metal Nanoparticles Can Form a Laser Cavity. Chemistry Letters, 2010, 39, 532-537.	0.7	3
183	New Glasses for Photonics. , 2013, , 383-401.		3
184	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.	0.5	3
185	Plasmonic Mesostructures Prepared by Oriented Mesoporous Materials as a Template. ECS Transactions, 2015, 69, 117-121.	0.3	3
186	Effect of sodium ions on persistent spectral hole burning in Pr ³⁺ -doped silicate glasses. Journal of Luminescence, 2000, 86, 297-304.	1.5	2
187	Temperature dependence of homogeneous line width of Eu ³⁺ in sodium aluminosilicate glasses. Journal of Luminescence, 2002, 98, 295-300.	1.5	2
188	Ferromagnetism in Fe-doped \hat{I}^2 -Ga ₂ O ₃ Prepared by a Solid State Reaction. Materials Research Society Symposia Proceedings, 2004, 853, 49.	0.1	2
189	Multi-Channel Waveform Sampling ASIC for Animal PET System. , 2006, , .		2
190	Enhanced Faraday rotation of cube-shaped EuS nanocrystals with a magnetic coercive field. IOP Conference Series: Materials Science and Engineering, 2009, 1, 012026.	0.3	2
191	Effect of Substrate Strain and Interface on Magnetic Properties of EuTiO ₃ Thin Film. Materials Research Society Symposia Proceedings, 2012, 1454, 149-159.	0.1	2
192	Surface Plasmon-Enhanced Optical Properties of Composite Materials Containing Metal Nanoparticles: Birefringence and Laser Oscillation. ECS Transactions, 2013, 50, 85-94.	0.3	2
193	Enhanced Faraday Effect in Porous Iron Oxide Thin Films Coupled to Localized Surface Plasmon Resonances. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2015, 62, 18-26.	0.1	2
194	Spatial manipulation of the valence state of Sm ²⁺ due to interference of multiply scattered light in strongly scattering media. Journal of Non-Crystalline Solids, 2004, 345-346, 407-411.	1.5	1
195	Nanosized modification of transparent materials using femtosecond laser irradiation. , 2006, 6413, 163.		1
196	Phase Separation in Al ₂ O ₃ Sol-gel System Incorporated with High Molecular Weight Poly(ethylene oxide). Materials Research Society Symposia Proceedings, 2007, 1007, 1.	0.1	1
197	Second-Harmonic Generation in Thermally Poled Na ₂ O-Al ₂ O ₃ -TeO ₂ Glasses. Advanced Materials Research, 2008, 39-40, 247-252.	0.3	1
198	Epitaxial growth of ferrimagnetic semiconductor 0.4Fe ₃ O ₄ ·0.6Fe ₂ TiO ₄ solid solution thin films on MgO(100) substrates. Journal of Physics: Conference Series, 2010, 200, 062013.	0.3	1

#	ARTICLE	IF	CITATIONS
199	Low-temperature growth of highly crystallized FeTiO ₃ -Fe ₂ O ₃ solid solution thin films with smooth surface morphology. Journal of Physics: Conference Series, 2010, 200, 062011.	0.3	1
200	Scattering-based hole burning mediated by localized surface plasmon resonance in photoreactive random media containing Ag nanoparticles. Applied Physics Letters, 2011, 98, 121917.	1.5	1
201	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.	3.6	1
202	Synthesis of Gold-Silica Core-Shell Nanoparticles with Tunable Shell Thickness. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2013, 60, 49-54.	0.1	1
203	Superspin glass behavior of amorphous FeO-SiO ₂ thin films. Japanese Journal of Applied Physics, 2014, 53, 05FB11.	0.8	1
204	Effect of Cylinder Height on Directional Photoluminescence from Highly Luminous Thin Films on Periodic Plasmonic Arrays. MRS Advances, 2017, 2, 173-178.	0.5	1
205	Instability of spin glass phase in divalent iron phosphate glass under a magnetic field. Journal of Physics Condensed Matter, 2017, 29, 025802.	0.7	1
206	Novel Er ³⁺ -doped glass-ceramics with extra-broad emission for S ⁺ - and U-band amplifier. , 2003, , .		1
207	Environmentally harmonized plasma etching process using laser ablation of various solid materials. , 0, , .		0
208	Environmentally harmonized plasma etching processes of amorphous silicon and tungsten. , 0, , .		0
209	Room-temperature photochemical hole burning of Eu ³⁺ -doped glasses. , 2001, , .		0
210	Effect of Orifice Location on Heat Transfer in a Duct Filled With Pressurized He II. IEEE Transactions on Applied Superconductivity, 2004, 14, 1762-1765.	1.1	0
211	Formation of photonic structures in Sm ²⁺ -doped aluminosilicate glasses through phase separation. , 2005, 5720, 261.		0
212	Development of One-Dimensional Neutron Microstrip Gas Counter with Cathode Encoding. , 0, , .		0
213	Fabrication of macroporous TiO ₂ monoliths for photonic applications. , 2005, 5720, 233.		0
214	An Ultra-Long Global-Local Grouping 1-D MSGC for Very-Large-Area Gas Detector. , 0, , .		0
215	Development of a He-3 MicroStrip Tube for neutron scattering. , 2006, , .		0
216	Global-local-grouping multi-grid-type MSGC for neutron applications. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
217	Direct Imaging of Ordered Structures and Antiphase Boundaries in FeTiO ₃ -Fe ₂ O ₃ Solid Solution Thin Films. <i>Materia Japan</i> , 2009, 48, 598-598.	0.1	0
218	Optical Functions of Glass Materials Induced by Thermal Poling/Ion Implantation Technique. <i>Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2010, 57, 500-507.	0.1	0
219	Anisotropic growth of zinc oxide pillars on silver nanoparticles by oblique angle deposition. <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 710-713.	0.5	0
220	Electronic Structure of Ilmenite and Ilmenite-Hematite Solid Solution Using Hard X-Ray Photoemission Spectroscopy. <i>Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2014, 61, S57-S59.	0.1	0
221	Errata: Enhanced Faraday Effect in Porous Iron Oxide Thin Films Coupled to Localized Surface Plasmon Resonances. <i>Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2015, 62, 216_2.	0.1	0
222	Excitation of surface plasmon polaritons on titanium nitride thin films through energy transfer from dye molecules. , 2016, , .		0
223	Optical characterization and emission properties of periodic arrays of titanium nitride nanoparticles. , 2016, , .		0
224	Preparation of Nb-doped Anatase Type TiO ₂ Epitaxial Thin Films and Excitation of Surface Plasmon Polaritons. <i>Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2017, 64, 23-27.	0.1	0
225	Excitation of collective plasmonic modes and photoluminescence enhancement in the Al nanocylinder array. , 2017, , .		0
226	Control of Light Scattering in Organic-inorganic Hybrid Macroporous Monoliths. <i>Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2005, 52, 781-785.	0.1	0
227	II : Gas Phase Crystal Growth and Characterization of New Magnetic Oxide Thin Films. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2006, 55, 971-975.	0.1	0
228	Random Laser Oscillation with Low Threshold and Optical Microresonator Based on Nanostructured Metals. <i>The Review of Laser Engineering</i> , 2016, 44, 527.	0.0	0
229	How Can We Control the "Element-Blocks" in Transition Metal Oxide Crystals?. , 2019, , 253-271.		0
230	Optical Response of Mesoporous Silica Layer on Plasmonic Array to Isopropanol Vapor. <i>Ceramic Engineering and Science Proceedings</i> , 0, , 59-68.	0.1	0