Koji Fujita

List of Publications by Year in Descending Order

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	Dehydration of Electrochemically Protonated Oxide: SrCoO with Square Spin Tubes. *Journal of the American Chemical Society*, **2021**, 143, 17517-17525	16.4	4
219	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
218	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
217	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
216	Perovskite-Type CuNbO3 Exhibiting Unusual Noncollinear Ferrielectric to Collinear Ferroelectric Dipole Order Transition. *Chemistry of Materials*, **2020**, 32, 5016-5027	9.6	4
215	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
214	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
213	How Can We Control the Element-Blocks in Transition Metal Oxide Crystals? **2019**, 253-271		
212	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
211	Collective plasmonic modes excited in Al nanocylinder arrays in the UV spectral region. *Optics Express*, **2018**, 26, 5970-5982	3.3	11
210	Enhanced Photoluminescence from Organic Dyes Coupled to Periodic Array of Zirconium Nitride Nanoparticles. *ACS Photonics*, **2018**, 5, 3057-3063	6.3	10
209	Visible and near-infrared photoluminescence enhanced by Ag nanoparticles in Sm3+-doped aluminoborate glass. *Optical Materials*, **2018**, 86, 611-616	3.3	8
208	Enhanced photoluminescence and directional white-light generation by plasmonic array. *Journal of Applied Physics*, **2018**, 124, 213105	2.5	18
207	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
206	Demonstration of temperature-plateau superheated liquid by photothermal conversion of plasmonic titanium nitride nanostructures. *Nanoscale*, **2018**, 10, 18451-18456	7.7	18
205	Ferroelectric Sr3Zr2O7: Competition between Hybrid Improper Ferroelectric and Antiferroelectric Mechanisms. *Advanced Functional Materials*, **2018**, 28, 1801856	15.6	57
204	Plasmonic–Photonic Hybrid Modes Excited on a Titanium Nitride Nanoparticle Array in the Visible Region. *ACS Photonics*, **2017**, 4, 815-822	6.3	23

203	Directional outcoupling of photoluminescence from Eu(III)-complex thin films by plasmonic array. *APL Photonics*, **2017**, 2, 026104	5.2	22
202	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
201	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
200	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
199	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
198	Giant Faraday Rotation through Ultrasmall Fe Clusters in Superparamagnetic FeO-SiO Vitreous Films. *Advanced Science*, **2017**, 4, 1600299	13.6	5
197	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
196	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	
195	LiNbO3-Type InFeO3: Room-Temperature Polar Magnet without Second-Order Jahn–Teller Active Ions. *Chemistry of Materials*, **2016**, 28, 6644-6655	9.6	33
194	Plasmonic mesostructures with aligned hotspots on highly oriented mesoporous silica films. *Optical Materials Express*, **2016**, 6, 2824	2.6	5
193	ZnTaON: Stabilized High-Temperature LiNbO-type Structure. *Journal of the American Chemical Society*, **2016**, 138, 15950-15955	16.4	22
192	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
191	Structural phase transitions in EuNbO3 perovskite. *Journal of Solid State Chemistry*, **2016**, 239, 192-199	3.3	8
190	Topochemical Nitridation with Anion Vacancy-Assisted N(3-)/O(2-) Exchange. *Journal of the American Chemical Society*, **2016**, 138, 3211-7	16.4	37
189	Fabrication of cerium-doped yttrium aluminum garnet thin films by a mist CVD method. *Journal of Luminescence*, **2016**, 170, 808-811	3.8	8
188	Random Laser Oscillation with Low Threshold and Optical Microresonator Based on Nanostructured Metals. *The Review of Laser Engineering*, **2016**, 44, 527	0	
187	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
186	Plasmonic arrays of titanium nitride nanoparticles fabricated from epitaxial thin films. *Optics Express*, **2016**, 24, 1143-53	3.3	34

185	The relationship between magneto-optical properties and molecular chirality. *NPG Asia Materials*, **2016**, 8, e251-e251	10.3	8
184	A labile hydride strategy for the synthesis of heavily nitridized BaTiO3. *Nature Chemistry*, **2015**, 7, 1017-23	27.6	87
183	Faraday effect of bismuth iron garnet thin film prepared by mist CVD method. *Japanese Journal of Applied Physics*, **2015**, 54, 063001	1.4	12
182	Electrical Properties of Epitaxial Thin Films of Oxyhydrides ATiO3−xHx (A = Ba and Sr). *Chemistry of Materials*, **2015**, 27, 6354-6359	9.6	37
181	MnTaO2N: polar LiNbO3-type oxynitride with a helical spin order. *Angewandte Chemie - International Edition*, **2015**, 54, 516-21	16.4	22
180	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
179	Terbium Oxide, Fluoride, and Oxyfluoride Nanoparticles with Magneto-optical Properties. *Bulletin of the Chemical Society of Japan*, **2015**, 88, 1453-1458	5.1	4
178	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
177	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	
176	Plasmonic Mesostructures Prepared by Oriented Mesoporous Materials as a Template. *ECS Transactions*, **2015**, 69, 117-121	1	3
175	MnTaO2N: Polar LiNbO3-type Oxynitride with a Helical Spin Order. *Angewandte Chemie*, **2015**, 127, 526-531	3.6	9
174	Rattling in the Quadruple Perovskite CuCu3V4O12. *Angewandte Chemie*, **2015**, 127, 11020-11024	3.6	
173	Rattling in the Quadruple Perovskite CuCu3 V4 O12. *Angewandte Chemie - International Edition*, **2015**, 54, 10870-4	16.4	18
172	An antiferro-to-ferromagnetic transition in EuTiO(3-x)H(x) induced by hydride substitution. *Inorganic Chemistry*, **2015**, 54, 1501-7	5.1	43
171	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
170	Inversion symmetry breaking by oxygen octahedral rotations in the Ruddlesden-Popper NaRTiO4 family. *Physical Review Letters*, **2014**, 112, 187602	7.4	45
169	Multi-color light emissions from mesoporous silica particles embedded with Ga_2O_3 nanocrystals. *Optical Materials Express*, **2014**, 4, 518	2.6	4
168	Substrate-induced anion rearrangement in epitaxial thin films of LaSrCoO4−xHx. *CrystEngComm*, **2014**, 16, 9669-9674	3.3	17

167	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
166	Accelerated discovery of cathode materials with prolonged cycle life for lithium-ion battery. *Nature Communications*, **2014**, 5, 4553	17.4	86
165	Superspin glass behavior of amorphous FeO□iO2thin films. *Japanese Journal of Applied Physics*, **2014**, 53, 05FB11	1.4	1
164	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
163	Enhancement of optical Faraday effect of nonanuclear Tb(III) complexes. *Inorganic Chemistry*, **2014**, 53, 7635-41	5.1	19
162	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	
161	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
160	Magnetic and transport properties of EuTiO3thin films doped with Nb. *Japanese Journal of Applied Physics*, **2014**, 53, 05FJ07	1.4	16
159	Wavelength-tunable spasing in the visible. *Nano Letters*, **2013**, 13, 4106-12	11.5	145
158	Metal□Dielectric Core□Shell Nanoparticles: Advanced Plasmonic Architectures Towards Multiple Control of Random Lasers. *Advanced Optical Materials*, **2013**, 1, 573-580	8.1	50
157	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
156	Strong Spin-Lattice Coupling Through Oxygen Octahedral Rotation in Divalent Europium Perovskites. *Advanced Functional Materials*, **2013**, 23, 1864-1872	15.6	28
155	Magneto-optical properties of Eu2+-containing aluminoborosilicate glasses with ferromagnetic interactions. *Optical Materials*, **2013**, 35, 1997-2000	3.3	20
154	Novel opto-magnetic silicate glass with semiconductor EuS nanocrystals. *Journal of Alloys and Compounds*, **2013**, 562, 123-127	5.7	11
153	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
152	Unidirectional spaser in symmetry-broken plasmonic core-shell nanocavity. *Scientific Reports*, **2013**, 3, 1241	4.9	49
151	New Glasses for Photonics **2013**, 383-401		3
150	A-site-ordered perovskite MnCu3V4O12 with a 12-coordinated manganese(II). *Inorganic Chemistry*, **2013**, 52, 11538-43	5.1	23

149	AgCu3V4O12: a novel perovskite containing mixed-valence silver ions. *Inorganic Chemistry*, **2013**, 52, 13824-6	5.1	6
148	Surface Plasmon-Enhanced Optical Properties of Composite Materials Containing Metal Nanoparticles: Birefringence and Laser Oscillation. *ECS Transactions*, **2013**, 50, 85-94	1	2
147	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
146	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
145	Ferromagnetism induced by lattice volume expansion and amorphization in EuTiO3 thin films. *Journal of Materials Research*, **2013**, 28, 1031-1041	2.5	12
144	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	
143	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	
142	Development of Non-Siliceous Porous Materials and Emerging Applications. *Bulletin of the Chemical Society of Japan*, **2012**, 85, 415-432	5.1	7
141	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
140	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
139	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
138	Tuning the wavelength of amplified spontaneous emission coupled to localized surface plasmon. *Applied Physics Letters*, **2012**, 101, 031117	3.4	14
137	Effect of Substrate Strain and Interface on Magnetic Properties of EuTiO3 Thin Film. *Materials Research Society Symposia Proceedings*, **2012**, 1454, 149-159		1
136	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
135	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
134	Plasmonically controlled lasing resonance with metallic-dielectric core-shell nanoparticles. *Nano Letters*, **2011**, 11, 1374-8	11.5	97
133	Enhanced form birefringence of metal nanoparticles with anisotropic shell mediated by localized surface plasmon resonance. *Optics Express*, **2011**, 19, 23581-9	3.3	4
132	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

131	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
130	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
129	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
128	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
127	Magnetic properties of oxide glasses containing iron and rare-earth ions. *Physical Review B*, **2011**, 84,	3.3	14
126	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
125	Impact of amorphization on the magnetic properties of EuO-TiO2 system. *Physical Review B*, **2010**, 82,	3.3	10
124	High-density excitation effect on photoluminescence in ZnO nanoparticles. *Journal of Applied Physics*, **2010**, 107, 124311	2.5	11
123	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
122	Random lasing in ballistic and diffusiveregimes for macroporous silica-based systems with tunable scattering strength. *Optics Express*, **2010**, 18, 12153-60	3.3	27
121	Direct creation of a photoinduced metallic structure and its optical properties in the terahertz frequency region. *Optics Letters*, **2010**, 35, 1719-21	3	17
120	Preparation and magnetic properties of amorphous EuTiO3 thin films. *Journal of Non-Crystalline Solids*, **2010**, 356, 2389-2392	3.9	13
119	Ferromagnetic Eu2+-based oxide glasses with reentrant spin glass behavior. *Physical Review B*, **2010**, 81,	3.3	17
118	Magnetodielectric effect in EuZrO3. *Applied Physics Letters*, **2010**, 96, 252901	3.4	34
117	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
116	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
115	Random Dispersion of Metal Nanoparticles Can Form a Laser Cavity. *Chemistry Letters*, **2010**, 39, 532-537	1.7	2
114	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	

113	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
112	Antiferromagnetism of perovskite EuZrO3. *Journal of Solid State Chemistry*, **2010**, 183, 168-172	3.3	30
111	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
110	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
109	Magnetic properties of mixed-valence iron phosphate glasses. *Physical Review B*, **2009**, 80,	3.3	24
108	Coherent random lasers in weakly scattering polymer films containing silver nanoparticles. *Physical Review A*, **2009**, 79,	2.6	88
107	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
106	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
105	Structural characterization of hierarchically porous alumina aerogel and xerogel monoliths. *Journal of Colloid and Interface Science*, **2009**, 338, 506-13	9.3	82
104	Magnetic properties of disordered ferrite and ilmenite–hematite thin films. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 818-821	2.8	4
103	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
102	Optical Birefringence in Tellurite Glass Containing Silver Nanoparticles Precipitated through Thermal Process. *Applied Physics Express*, **2009**, 2, 102001	2.4	9
101	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
100	Epitaxial Growth of Room-Temperature Ferrimagnetic Semiconductor Thin Films Based on Fe3O4-Fe2TiO4 Solid Solution. *Materials Transactions*, **2009**, 50, 1076-1080	1.3	8
99	Direct Imaging of Ordered Structures and Antiphase Boundaries in FeTiO3-Fe2O3 Solid Solution Thin Films. *Materia Japan*, **2009**, 48, 598-598	0.1	
98	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
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	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

95	Crystalline ZrO2 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	9.6	99
94	Magnetic properties of disordered oxides with iron and manganese ions. *Journal of Non-Crystalline Solids*, **2008**, 354, 1347-1352	3.9	17
93	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
92	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
91	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
90	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
89	Second-Harmonic Generation in Thermally Poled Na2O-Al2O3-TeO2 Glasses. *Advanced Materials Research*, **2008**, 39-40, 247-252	0.5	1
88	Magneto-optical properties of transparent divalent iron phosphate glasses. *Applied Physics Letters*, **2008**, 92, 251908	3.4	32
87	Scattering-based hole burning through volume speckles in a random medium with tunable diffusion constant. *Applied Physics Letters*, **2008**, 93, 151912	3.4	4
86	Intense visible emissions from d 0 ions-doped silicate glasses. *Journal of the Ceramic Society of Japan*, **2008**, 116, 1147-1149	1	7
85	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
84	Random lasers with coherent feedback from highly transparent polymer films embedded with silver nanoparticles. *Applied Physics Letters*, **2008**, 92, 201112	3.4	112
83	Synthesis of Monolithic Al2O3 with Well-Defined Macropores and Mesostructured Skeletons via the Sol□Gel Process Accompanied by Phase Separation. *Chemistry of Materials*, **2007**, 19, 3393-3398	9.6	176
82	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
81	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
80	Spin dynamics in oxide glass of Fe2O3□Bi2O3□B2O3 system. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 1506-1507	2.8	12
79	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
78	Preparation and magnetic properties of oxygen deficient EuTiO3□thin films. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 2268-2270	2.8	35

77	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
76	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
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	Optically produced cross patterning based on local dislocations inside MgO single crystals. *Applied Physics Letters*, **2007**, 90, 163110	3.4	21
73	Phase Separation in Al2O3 Sol-gel System Incorporated with High Molecular Weight Poly(ethylene oxide). *Materials Research Society Symposia Proceedings*, **2007**, 1007, 1		1
72	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
71	Intense greenish emission from d0 transition metal ion Ti4+ in oxide glass. *Applied Physics Letters*, **2007**, 90, 051917	3.4	12
70	First-principles XANES simulations of spinel zinc ferrite with a disordered cation distribution. *Physical Review B*, **2007**, 75,	3.3	88
69	Spin dynamics in Fe2O3TeO2 glass: Experimental evidence for an amorphous oxide spin glass. *Physical Review B*, **2006**, 74,	3.3	25
68	Intense blue emission from tantalum-doped silicate glass. *Applied Physics Letters*, **2006**, 89, 061914	3.4	12
67	Mechanical milling-induced room-temperature ferromagnetic phase in MnO2ZnO system. *Applied Physics Letters*, **2006**, 89, 052501	3.4	13
66	Room-temperature ferrimagnetic semiconductor 0.6FeTiO3.4Fe2O3 solid solution thin films. *Applied Physics Letters*, **2006**, 89, 142503	3.4	29
65	Multi-Channel Waveform Sampling ASIC for Animal PET System **2006**,		2
64	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
63	Monolithic TiO2 with Controlled Multiscale Porosity via a Template-Free SolGel Process Accompanied by Phase Separation. *Chemistry of Materials*, **2006**, 18, 6069-6074	9.6	144
62	Phase-Separation-Induced Titania Monoliths with Well-Defined Macropores and Mesostructured Framework from Colloid-Derived SolGel Systems. *Chemistry of Materials*, **2006**, 18, 864-866	9.6	79
61	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
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