

# Jumpei Ueda

## List of Publications by Year in descending order

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130  
papers

5,807  
citations

57758

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130  
docs citations

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times ranked

3166  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep-red to near-infrared luminescence from Eu <sup>2+</sup> -trapped exciton states in YSiO <sub>2</sub> N. Physical Chemistry Chemical Physics, 2022, 24, 4348-4357.	2.8	2
2	In Situ Growth Mechanism of CsPbX <sub>3</sub> (X = Cl, Br, and I) Quantum Dots in an Amorphous Oxide Matrix. Chemistry of Materials, 2022, 34, 1599-1610.	6.7	12
3	Effect of Glass Composition on Luminescence and Structure of CsPbBr <sub>3</sub> Quantum Dots in an Amorphous Matrix. Materials, 2022, 15, 1678.	2.9	4
4	Time-resolved and temperature-dependent spectroscopy for blue luminescence of monoclinic YSiO <sub>2</sub> N:Ce <sup>3+</sup> phosphor. Journal of Luminescence, 2022, 249, 118943.	3.1	3
5	Development of White Persistent Phosphors by Manipulating Lanthanide Ions in Gadolinium Gallium Garnets. Advanced Photonics Research, 2021, 2, 2000102.	3.6	10
6	Formation of PbCl <sub>2</sub> -type AHF (A = Ca, Sr, Ba) with partial anion order at high pressure. Dalton Transactions, 2021, 50, 8385-8391.	3.3	5
7	Boltzmann Thermometry in Cr <sup>3+</sup> -Doped Ga <sub>2</sub> O <sub>3</sub> Polymorphs: The Structure Matters!. Advanced Optical Materials, 2021, 9, 2100033.	7.3	90
8	Predicting the Optical Pressure Sensitivity of <sup>2</sup> E <sub>g</sub> <sup>4</sup> A <sub>2</sub> Spin-Flip Transition in Cr <sup>3+</sup> -Doped Crystals. Chemistry of Materials, 2021, 33, 3379-3385.	6.7	28
9	Difference of Eu <sup>3+</sup> luminescent properties in YOCl and YOBr oxyhalide hosts. Journal of Applied Physics, 2021, 129, .	2.5	5
10	How to Design and Analyze Persistent Phosphors?. Bulletin of the Chemical Society of Japan, 2021, 94, 2807-2821.	3.2	13
11	How Many Electron Traps are formed in Persistent Phosphors?. ECS Journal of Solid State Science and Technology, 2021, 10, 116003.	1.8	8
12	Multimodal deep red luminescent ratiometric thermometer of LaAlO <sub>3</sub> doped with Mn <sup>4+</sup> . Physica B: Condensed Matter, 2021, , 413492.	2.7	4
13	Site-Selective Eu <sup>3+</sup> Luminescence in the Monoclinic Phase of YSiO <sub>2</sub> N. Chemistry of Materials, 2021, 33, 8873-8885.	6.7	20
14	High-Pressure Photoluminescence Properties of Cr <sup>3+</sup> -Doped LaGaO <sub>3</sub> Perovskites Modulated by Pressure-Induced Phase Transition. Inorganic Chemistry, 2021, 60, 19253-19262.	4.0	12
15	Multi-Site Cation Control of Ultra-Broadband Near-Infrared Phosphors for Application in Light-Emitting Diodes. Inorganic Chemistry, 2020, 59, 15101-15110.	4.0	42
16	Confined-Melting-Assisted Synthesis of Bismuth Silicate Glass-Ceramic Nanoparticles: Formation and Optical Thermometry Investigation. ACS Applied Materials & Interfaces, 2020, 12, 55195-55204.	8.0	35
17	Microsized Red Luminescent MgAl <sub>2</sub> O <sub>4</sub> :Mn <sup>4+</sup> Single-Crystal Phosphor Grown in Molten Salt for White LEDs. Inorganic Chemistry, 2020, 59, 18374-18383.	4.0	19
18	Pressure-induced variation of persistent luminescence characteristics in Y <sub>3</sub> Al <sub>5</sub> Ga <sub>x</sub> O <sub>12</sub> :Ce <sup>3+</sup> M <sup>3+</sup> (M = Tl, Eu, Tb, Dy, Ho, Er, Yb, Lu). Chemical Physics, 2020, 22, 19502-19511.	2.8	9

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19	Pushing the Limit of Boltzmann Distribution in Cr <sup>3+</sup> -Doped CaHfO <sub>3</sub> for Cryogenic Thermometry. ACS Applied Materials & Interfaces, 2020, 12, 38325-38332.	8.0	116
20	Upconversion-mediated Boltzmann thermometry in double-layered Bi <sub>2</sub> SiO <sub>5</sub> :Yb <sup>3+</sup> ,Tm <sup>3+</sup> @SiO <sub>2</sub> hollow nanoparticles. Journal of Materials Chemistry C, 2020, 8, 7828-7836.	5.5	61
21	Large red-shift of luminescence from BaCN <sub>2</sub> :Eu <sup>2+</sup> red phosphor under high pressure. Applied Physics Express, 2020, 13, 042009.	2.4	13
22	Effective Ratiometric Luminescent Thermal Sensor by Cr <sup>3+</sup> -Doped Mullite Bi <sub>2</sub> Al <sub>4</sub> O <sub>9</sub> with Robust and Reliable Performances. Advanced Optical Materials, 2020, 8, 2000124.	7.3	114
23	Red luminescent Eu <sup>2+</sup> in K <sub>2</sub> MgH <sub>4</sub> and comparison with KMgH <sub>3</sub> . Journal of Materials Chemistry C, 2020, 8, 5124-5130.	5.5	7
24	Properties of Charge Carrier Traps in Lu <sub>2</sub> O <sub>3</sub> :Tb,Hf Ceramic Storage Phosphors Observed by High-Pressure Spectroscopy and Photoconductivity. Journal of Physical Chemistry C, 2020, 124, 20340-20349.	3.1	12
25	Lanthanide-Doped Bi <sub>2</sub> SiO <sub>5</sub> @SiO <sub>2</sub> Core-Shell Upconverting Nanoparticles for Stable Ratiometric Optical Thermometry. ACS Applied Nano Materials, 2020, 3, 2594-2604.	5.0	55
26	Ultrabroadband red luminescence of Mn <sup>4+</sup> in MgAl <sub>2</sub> O <sub>4</sub> peaking at 651 nm. Dalton Transactions, 2020, 49, 5711-5721.	3.3	31
27	Redshift and thermal quenching of Ce <sup>3+</sup> emission in (Gd, Y) <sub>3</sub> (Al, Si) <sub>5</sub> (O, N) <sub>12</sub> oxynitride garnet phosphors. Optical Materials, 2019, 87, 117-121.	3.6	26
28	Local coordination, electronic structure, and thermal quenching of Ce <sup>3+</sup> in isostructural Sr <sub>2</sub> GdAlO <sub>5</sub> and Sr <sub>3</sub> AlO <sub>4</sub> F phosphors. Journal of the American Ceramic Society, 2019, 102, 1316-1328.	3.8	10
29	Ratiometric Luminescent Thermometers with a Customized Phase-Transition-Driven Fingerprint in Perovskite Oxides. ACS Applied Materials & Interfaces, 2019, 11, 38937-38945.	8.0	57
30	Lanthanide-Doped Bismuth-Based Fluoride Nanocrystalline Particles: Formation, Spectroscopic Investigation, and Chemical Stability. Chemistry of Materials, 2019, 31, 8504-8514.	6.7	29
31	Broadband near-infrared persistent luminescence of Ba[Mg <sub>2</sub> Al <sub>2</sub> N <sub>4</sub> ] with Eu <sup>2+</sup> and Tm <sup>3+</sup> after red light charging. Journal of Materials Chemistry C, 2019, 7, 1705-1712.	5.5	34
32	Reply to the "Comment on "Spectroscopic properties and location of the Ce <sup>3+</sup> energy levels in Y <sub>3</sub> Al <sub>2</sub> Ga <sub>3</sub> O <sub>12</sub> and Y <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> at ambient and high hydrostatic pressure" by Y. Wang, M. Głowacki, M. Berkowski, A. Kamińska and A. Suchocki, Phys. Chem. Chem. Phys., 2019, 21, DOI: 10.1039/C8CP06154H. Physical Chemistry Chemical Physics, 2019, 21, 2818-2820.	2.8	0
33	Crystal structure analysis and evidence of mixed anion coordination at the Ce <sup>3+</sup> site in Y <sub>3</sub> Al <sub>2</sub> (Al,Si) <sub>3</sub> (O,N) <sub>12</sub> oxynitride garnet phosphor. Journal of Materials Chemistry C, 2019, 7, 1330-1336.	5.5	19
34	(INVITED) Review of luminescent properties of Ce <sup>3+</sup> -doped garnet phosphors: New insight into the effect of crystal and electronic structure. Optical Materials: X, 2019, 1, 100018.	0.8	61
35	Facile "n control, and magnetic and thermoelectric properties of chromium selenides Cr <sub>2+x</sub> Se <sub>3</sub> . Journal of Materials Chemistry C, 2019, 7, 8269-8276.	5.5	18
36	Uncovering the Origin of the Emitting States in Bi <sup>3+</sup> -Activated CaMO <sub>3</sub> (M = Zr, Tj ETQq0 0 0 rgBT /Overlock Chemistry C, 2019, 123, 14677-14688.	3.1	44

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37	Synthesis, optical properties, and band structures of a series of layered mixed-anion compounds. Journal of Materials Science: Materials in Electronics, 2019, 30, 16827-16832.	2.2	3
38	Orange Persistent Luminescence and Photodarkening Related to Paramagnetic Defects of Nondoped CaO-Ga <sub>2</sub> O <sub>3</sub> -GeO <sub>2</sub> Glass. Journal of Physical Chemistry C, 2019, 123, 29946-29953.	3.1	23
39	Long persistent luminescence and blue photochromism in Eu <sup>2+</sup> -Dy <sup>3+</sup> co-doped barium silicate glass ceramic phosphor. Journal of Luminescence, 2019, 207, 246-250.	3.1	14
40	Intense deep-red zero phonon line emission of Mn <sup>4+</sup> in double perovskite La <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> . Physical Chemistry Chemical Physics, 2019, 21, 25108-25117.	2.8	21
41	Development of Transparent Ceramic Persistent Phosphors toward High Performances. The Review of Laser Engineering, 2019, 47, 428.	0.0	0
42	1.514μm persistent luminescence of Er <sup>3+</sup> in Gd <sub>3</sub> Al <sub>5-x</sub> Ga <sub>x</sub> O <sub>12</sub> (GAGG) garnets via persistent energy transfer. , 2019, , .		2
43	Toward Rechargeable Persistent Luminescence for the First and Third Biological Windows via Persistent Energy Transfer and Electron Trap Redistribution. Inorganic Chemistry, 2018, 57, 5194-5203.	4.0	100
44	Red-emission over a wide range of wavelengths at various temperatures from tetragonal BaCN <sub>2</sub> :Eu <sup>2+</sup> . Journal of Materials Chemistry C, 2018, 6, 6370-6377.	5.5	26
45	Investigation of luminescence quenching and persistent luminescence in Ce <sup>3+</sup> doped (Gd,Y) <sub>3</sub> (Al,Ca) <sub>5</sub> O <sub>12</sub> garnet using vacuum referred binding energy diagram. Journal of Luminescence, 2018, 198, 418-426.	3.1	28
46	Enhanced persistent red luminescence in Mn <sup>2+</sup> -doped (Mg,Zn)GeO <sub>3</sub> by electron trap and conduction band engineering. Optical Materials, 2018, 79, 147-151.	3.6	33
47	Thermal Quenching Mechanism of CaAlSiN <sub>3</sub> :Eu <sup>2+</sup> Red Phosphor. Bulletin of the Chemical Society of Japan, 2018, 91, 173-177.	3.2	41
48	1.214μm persistent luminescence of Ho <sup>3+</sup> in LaAlO <sub>3</sub> and LaGaO <sub>3</sub> perovskites. Journal of Materials Chemistry C, 2018, 6, 11374-11383.	5.5	29
49	Ratiometric optical thermometry using deep red luminescence from 4T <sub>2</sub> and 2E states of Cr <sup>3+</sup> in ZnGa <sub>2</sub> O <sub>4</sub> host. Optical Materials, 2018, 85, 510-516.	3.6	97
50	Revisiting Cr <sup>3+</sup> -Doped Bi <sub>2</sub> Ga <sub>4</sub> O <sub>9</sub> Spectroscopy: Crystal Field Effect and Optical Thermometric Behavior of Near-Infrared-Emitting Singly-Activated Phosphors. ACS Applied Materials & Interfaces, 2018, 10, 41512-41524.	8.0	124
51	Formation of Deep Electron Traps by Yb <sup>3+</sup> Codoping Leads to Super-Long Persistent Luminescence in Ce <sup>3+</sup> -Doped Yttrium Aluminum Gallium Garnet Phosphors. ACS Applied Materials & Interfaces, 2018, 10, 20652-20660.	8.0	104
52	Intense hypersensitive luminescence of Eu <sup>3+</sup> -doped YSiO <sub>2</sub> N oxynitride with near-UV excitation. Optical Materials, 2018, 83, 111-117.	3.6	10
53	Tailoring Trap Depth and Emission Wavelength in Y <sub>3</sub> Al <sub>5</sub> Ga <sub>x</sub> O <sub>12</sub> :Ce <sup>3+</sup> ,V <sup>3+</sup> Phosphor-in-Glass Films for Optical Information Storage. ACS Applied Materials & Interfaces, 2018, 10, 27150-27159.	3.6	10
54	Development of persistent phosphor of Eu <sup>2+</sup> doped Ba <sub>2</sub> SiO <sub>4</sub> by Er <sup>3+</sup> codoping based on vacuum referred binding energy diagram. Optical Materials, 2018, 84, 436-441.	3.6	14

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55	Luminescence properties of layered mixed-anion compounds Sr <sub>2</sub> ScCuSeO <sub>3</sub> and Sr <sub>3</sub> Sc <sub>2</sub> Cu <sub>2</sub> Se <sub>2</sub> O <sub>5</sub> . <i>Optical Materials</i> , 2018, 84, 205-208.	3.6	6
56	Rapid deposition and thermoelectric properties of ytterbium boride thin films using hybrid physical chemical vapor deposition. <i>Materialia</i> , 2018, 1, 244-248.	2.7	12
57	Flicker Suppression of AC Driven White LED by Yellow Persistent Phosphor of Ce <sup>3+</sup> Cr <sup>3+</sup> Co-doped Garnet. <i>Journal of Science and Technology in Lighting</i> , 2018, 41, 89-92.	0.4	6
58	Comparison of quenching mechanisms in Gd <sub>3</sub> Al <sub>5-x</sub> Ga <sub>x</sub> O <sub>12</sub> :Ce <sup>3+</sup> (x = 3 and 5) garnet phosphors by photocurrent excitation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18380-18390.	2.8	12
59	Preparation, electronic structure of gadolinium oxyhydride and low-energy 5d excitation band for green luminescence of doped Tb <sup>3+</sup> ions. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7541-7548.	5.5	40
60	Thermal ionization and thermally activated crossover quenching processes for $\text{Y}^{3+}$ in $\text{Y}_3\text{Al}_5\text{Ga}_x\text{O}_{12}:\text{Ce}^{3+}$ garnet phosphors. <i>Physical Review B</i> , 2017, 95, .	3.2	59
61	Optical properties and mechanisms in Cr <sup>3+</sup> , Bi <sup>3+</sup> -codoped oxide-based spinel nanoparticles. , 2017, , .		0
62	Toward tunable and bright deep-red persistent luminescence of Cr <sup>3+</sup> in garnets. <i>Journal of the American Ceramic Society</i> , 2017, 100, 4033-4044.	3.8	70
63	Thermoluminescence investigation on Y <sub>3</sub> Al <sub>5-x</sub> Ga <sub>x</sub> O <sub>12</sub> :Ce <sup>3+</sup> -Bi <sup>3+</sup> green persistent phosphors. <i>Journal of Luminescence</i> , 2017, 183, 355-359.	3.1	27
64	Vacuum Referred Binding Energy (VRBE)-Guided Design of Orange Persistent Ca <sub>3</sub> Si <sub>2</sub> O <sub>7</sub> :Eu <sup>2+</sup> Phosphors. <i>Inorganic Chemistry</i> , 2017, 56, 10353-10360.	4.0	41
65	Cr <sup>3+</sup> /Er <sup>3+</sup> co-doped LaAlO <sub>3</sub> perovskite phosphor: a near-infrared persistent luminescence probe covering the first and third biological windows. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6385-6393.	5.8	65
66	The role of Ln <sup>3+</sup> (Ln = Eu, Yb) in persistent red luminescence in MgGeO <sub>3</sub> :Mn <sup>2+</sup> . <i>Journal of Materials Chemistry C</i> , 2017, 5, 8893-8900.	5.5	51
67	Vacuum referred binding energy of 3d transition metal ions for persistent and photostimulated luminescence phosphors of cerium-doped garnets. <i>Journal of Luminescence</i> , 2017, 192, 371-375.	3.1	26
68	Red persistent luminescence in rare earth-free AlN:Mn <sup>2+</sup> phosphor. <i>Materials Letters</i> , 2017, 206, 175-177.	2.6	28
69	Evidence of valence state change of Ce <sup>3+</sup> and Cr <sup>3+</sup> during UV charging process in Y <sub>3</sub> Al <sub>2</sub> Ga <sub>3</sub> O <sub>12</sub> persistent phosphors. <i>Optical Materials Express</i> , 2017, 7, 2471.	3.0	24
70	Editors' Choice "Investigation of Luminescence and Photoacoustic Properties in Ce <sup>3+</sup> -Doped Ln <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> (Ln = Lu, Y, Gd) Garnet. <i>ECS Journal of Solid State Science and Technology</i> , 2016, 5, R219-R222.	1.8	5
71	Persistent luminescence properties of Cr <sup>3+</sup> -Sm <sup>3+</sup> activated LaAlO <sub>3</sub> perovskite. <i>Optical Materials Express</i> , 2016, 6, 1500.	3.0	27
72	Novel persistent phosphors of lanthanide-chromium co-doped yttrium aluminum gallium garnet: design concept with vacuum referred binding energy diagram. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4380-4386.	5.5	49

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73	Trap depth and color variation of Ce <sup>3+</sup> -Cr <sup>3+</sup> co-doped Gd <sub>3</sub> (Al,Ga) <sub>5</sub> O <sub>12</sub> garnet persistent phosphors. <i>Optical Materials</i> , 2016, 62, 171-175.	3.6	27
74	Scintillation and optical properties of Ce-doped YAGG transparent ceramics. <i>Journal of Rare Earths</i> , 2016, 34, 763-768.	4.8	17
75	Comparative study of optical and scintillation properties of Ce:YAGG, Ce:GAGG and Ce:LuAGG transparent ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 569-573.	1.1	25
76	A Comparison on Ce <sup>3+</sup> Luminescence in Borate Glass and YAG Ceramic: Understanding the Role of Host's Characteristics. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17683-17691.	3.1	51
77	Ratiometric Optical Thermometer Based on Dual Near-Infrared Emission in Cr <sup>3+</sup> -Doped Bismuth-Based Gallate Host. <i>Chemistry of Materials</i> , 2016, 28, 8347-8356.	6.7	224
78	Study on Trap Levels in SrSi <sub>2</sub> AlO <sub>2</sub> N <sub>3</sub> :Eu <sup>2+</sup> ,Ln <sup>3+</sup> Persistent Phosphors Based on Host-Referred Binding Energy Scheme and Thermoluminescence Analysis. <i>Inorganic Chemistry</i> , 2016, 55, 11890-11897.	4.0	47
79	Near-infrared long persistent luminescence of Er <sup>3+</sup> in garnet for the third bio-imaging window. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11096-11103.	5.5	87
80	Spectroscopic properties and location of the Ce <sup>3+</sup> energy levels in Y <sub>3</sub> Al <sub>2</sub> Ga <sub>3</sub> O <sub>12</sub> and Y <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> at ambient and high hydrostatic pressure. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6683-6690.	2.8	30
81	Significance of host's intrinsic absorption band tailing on Ce <sup>3+</sup> luminescence quantum yield in borate glass. <i>Journal of Luminescence</i> , 2016, 170, 785-788.	3.1	17
82	Effect of synthesis conditions on Ce <sup>3+</sup> luminescence in borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2016, 431, 150-153.	3.1	55
83	Optical and scintillation properties of Ce-doped 34Li <sub>2</sub> O-5MgO-10Al <sub>2</sub> O <sub>3</sub> -51SiO <sub>2</sub> glass. <i>Journal of Non-Crystalline Solids</i> , 2016, 431, 140-144.	3.1	40
84	Analysis of optoelectronic properties and development of new persistent phosphor in Ce <sup>3+</sup> -doped garnet ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 1059-1064.	1.1	34
85	Evidence of three different Eu <sup>2+</sup> sites and their luminescence quenching processes in CaAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> . <i>Optical Materials</i> , 2015, 41, 84-89.	3.6	18
86	Role of electron transfer in Ce <sup>3+</sup> sensitized Yb <sup>3+</sup> luminescence in borate glass. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	37
87	Fabrication of Ce <sup>3+</sup> -Cr <sup>3+</sup> co-doped yttrium aluminium gallium garnet transparent ceramic phosphors with super long persistent luminescence. <i>Scripta Materialia</i> , 2015, 102, 47-50.	5.2	95
88	Control of electron transfer between Ce <sup>3+</sup> and Cr <sup>3+</sup> in the Y <sub>3</sub> Al <sub>5-x</sub> Ga <sub>x</sub> O <sub>12</sub> host via conduction band engineering. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5642-5651.	5.5	181
89	Y <sub>3</sub> Al <sub>5-x</sub> Ga <sub>x</sub> O <sub>12</sub> :Cr <sup>3+</sup> ; A novel red persistent phosphor with high brightness. <i>Applied Physics Express</i> , 2015, 8, 042602.	2.4	64
90	Experimental insights on the electron transfer and energy transfer processes between Ce <sup>3+</sup> -Yb <sup>3+</sup> and Ce <sup>3+</sup> -Tb <sup>3+</sup> in borate glass. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	24

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91	Near-infrared multi-wavelengths long persistent luminescence of Nd <sup>3+</sup> ion through persistent energy transfer in Ce <sup>3+</sup> , Cr <sup>3+</sup> co-doped Y <sub>3</sub> Al <sub>2</sub> Ga <sub>3</sub> O <sub>12</sub> for the first and second bio-imaging windows. Applied Physics Letters, 2015, 107, .	3.3	87
92	Design of deep-red persistent phosphors of Gd <sub>3</sub> Al <sub>5-x</sub> Ga <sub>x</sub> O <sub>12</sub> :Cr <sup>3+</sup> transparent ceramics sensitized by Eu <sup>3+</sup> as an electron trap using conduction band engineering. Optical Materials Express, 2015, 5, 963.	3.0	45
93	Insight into the Thermal Quenching Mechanism for Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> through Thermoluminescence Excitation Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 25003-25008.	3.1	278
94	Enhanced Light Storage of SrAl <sub>2</sub> O <sub>4</sub> Glass-Ceramics Controlled by Selective Europium Reduction. Journal of the American Ceramic Society, 2015, 98, 423-429.	3.8	26
95	Effect of Bi <sub>2</sub> O <sub>3</sub> doping on persistent luminescence of MgGeO <sub>3</sub> :Mn <sup>2+</sup> phosphor. Optical Materials Express, 2014, 4, 613.	3.0	60
96	Multi-color persistent luminescence in transparent glass ceramics containing spinel nano-crystals with Mn <sup>2+</sup> ions. Applied Physics Letters, 2014, 105, 191904.	3.3	42
97	RPL in alpha particle irradiated Ag <sup>+</sup> -doped phosphate glass. Radiation Measurements, 2014, 71, 529-532.	1.4	48
98	Development of blue excitable persistent phosphor of Ce <sup>3+</sup> -doped garnet ceramics by bandgap engineering and metal sensitization. Proceedings of SPIE, 2014, .	0.8	3
99	Recreating the Lycurgus effect from silver nanoparticles in solutions and in silica gel. Journal of Materials Science, 2014, 49, 3299-3304.	3.7	13
100	Bright persistent ceramic phosphors of Ce <sup>3+</sup> -Cr <sup>3+</sup> -codoped garnet able to store by blue light. Applied Physics Letters, 2014, 104, .	3.3	161
101	Photo-electronic properties and persistent luminescence in Pr <sup>3+</sup> doped (Ca,Sr)TiO <sub>3</sub> ceramics. Journal of Luminescence, 2014, 148, 290-295.	3.1	26
102	Samarium-Doped Oxyfluoride Glass-Ceramic as a New Fast Erasable Dosimetric Detector Material for Microbeam Radiation Cancer Therapy Applications at the Canadian Synchrotron. Journal of the American Ceramic Society, 2014, 97, 2147-2153.	3.8	58
103	A brief review on red to near-infrared persistent luminescence in transition-metal-activated phosphors. Optical Materials, 2014, 36, 1907-1912.	3.6	188
104	Band-gap variation and a self-redox effect induced by compositional deviation in Zn <sub>x</sub> Ga <sub>2</sub> O <sub>3+x</sub> :Cr <sup>3+</sup> persistent phosphors. Journal of Materials Chemistry C, 2014, 2, 5502.	5.5	83
105	Yellow persistent luminescence in Ce <sup>3+</sup> -Cr <sup>3+</sup> -codoped gadolinium aluminum gallium garnet transparent ceramics after blue-light excitation. Applied Physics Express, 2014, 7, 062201.	2.4	64
106	Modulation of the optical properties of Pr <sup>3+</sup> -doped Y <sub>2</sub> O <sub>3</sub> :Pr <sup>3+</sup> ceramics by Zr doping. Journal of the Ceramic Society of Japan, 2014, 122, 89-92.	1.1	6
107	Enhancement of Red Persistent Luminescence in Cr <sup>3+</sup> -Doped ZnGa <sub>2</sub> O <sub>4</sub> Phosphors by Bi <sub>2</sub> O <sub>3</sub> Codoping. Applied Physics Express, 2013, 6, 052602.	2.4	125
108	Water (H <sub>2</sub> O and D <sub>2</sub> O) Dispersible NIR-to-NIR Upconverting Yb <sup>3+</sup> /Tm <sup>3+</sup> Doped MF <sub>2</sub> (M = Ca, Sr) Colloids: Influence of the Host Crystal. Crystal Growth and Design, 2013, 13, 4906-4913.	3.0	93

#	ARTICLE	IF	CITATIONS
109	Temperature and compositional dependence of optical and optoelectronic properties in Ce <sup>3+</sup> -doped Y <sub>3</sub> Sc <sub>2</sub> Al <sub>3</sub> ~ <sup>x</sup> Ga <sub>x</sub> O <sub>12</sub> (x=0, 1, 2, 3). <i>Optical Materials</i> , 2013, 35, 1952-1957.	3.6	94
110	Tunable trap depth in Zn(Ga <sub>1</sub> ~ <sup>x</sup> Al <sub>x</sub> ) <sub>2</sub> O <sub>4</sub> :Cr,Bi red persistent phosphors: considerations of high-temperature persistent luminescence and photostimulated persistent luminescence. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7849.	5.5	140
111	Photochromism and near-infrared persistent luminescence in Eu <sup>2+</sup> -Nd <sup>3+</sup> -co-doped CaAl <sub>2</sub> O <sub>4</sub> ceramics. <i>Optical Materials Express</i> , 2013, 3, 787.	3.0	50
112	Electronic and Optical Properties of Ce <sup>3+</sup> Doped Garnet Ceramics. , 2012, , .		0
113	Optical and optoelectronic analysis of persistent luminescence in Eu <sup>2+</sup> -Dy <sup>3+</sup> -codoped SrAl <sub>2</sub> O <sub>4</sub> ceramic phosphor. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 2322-2325.	0.8	39
114	Optical and optoelectronic properties of Ce <sup>3+</sup> doped Mg <sub>3</sub> Y <sub>2</sub> (Ge,Si) <sub>3</sub> O <sub>12</sub> inverse garnet. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 2296-2299.	0.8	7
115	Photochromism and white long-lasting persistent luminescence in Bi <sup>3+</sup> -doped ZnGa <sub>2</sub> O <sub>4</sub> ceramics. <i>Optical Materials Express</i> , 2012, 2, 1378.	3.0	61
116	Excited state dynamics and energy transfer rates in Sr <sub>3</sub> Tb <sub>0.90</sub> Eu <sub>0.10</sub> (PO <sub>4</sub> ) <sub>3</sub> . <i>Journal of Luminescence</i> , 2012, 132, 27-29.	3.1	29
117	Preparation of glass ceramics containing ruby crystals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011, 18, 102006.	0.6	0
118	Afterglow Luminescence in Ce <sup>3+</sup> -Doped Y <sub>3</sub> Sc <sub>2</sub> Ga <sub>3</sub> O <sub>12</sub> Ceramics. <i>Applied Physics Express</i> , 2011, 4, 042602.	2.4	53
119	Broadband near ultra violet sensitization of 1 1/4μm luminescence in Yb <sup>3+</sup> -doped CeO <sub>2</sub> crystal. <i>Journal of Applied Physics</i> , 2011, 110, 073104.	2.5	19
120	Fabrication of Eu:SrAl <sub>2</sub> O <sub>4</sub> -based glass ceramics using Frozen sorbet method. <i>Journal of the Ceramic Society of Japan</i> , 2011, 119, 609-615.	1.1	45
121	Analysis of Ce <sup>3+</sup> luminescence quenching in solid solutions between Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> and Y <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> by temperature dependence of photoconductivity measurement. <i>Journal of Applied Physics</i> , 2011, 110, 53102-531026.	2.5	193
122	Sensitization mechanisms of 1μm luminescence in Tb <sup>3+</sup> -Yb <sup>3+</sup> -co-doped borate glasses. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 1827-1832.	1.8	3
123	Energy transfer processes in Sr <sub>3</sub> Tb <sub>0.90</sub> Eu <sub>0.10</sub> (PO <sub>4</sub> ) <sub>3</sub> . <i>Optical Materials</i> , 2010, 33, 119-122.	3.6	37
124	Preparation and Optical Property of Glass Ceramics Containing Ruby Crystals. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3084-3087.	3.8	17
125	Visible to near infrared conversion in Ce<sup>3+</sup>&#x0026;#x2013;Yb<sup>3+</sup>&#x0026;#x2013; Co-doped YAG ceramics. , 2009, , .		1
126	Surface plasmon excited infrared-to-visible upconversion in Er <sup>3+</sup> -doped transparent glass ceramics. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 1912-1915.	3.1	20



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127	Visible to near infrared conversion in Ce <sup>3+</sup> /Yb <sup>3+</sup> Co-doped YAG ceramics. Journal of Applied Physics, 2009, 106, .	2.5	180
128	Surface plasmon excited fluorescence of Er <sup>3+</sup> -Doped Y <sub>2</sub> O <sub>3</sub> thin film fabricated by Pulsed Laser Deposition. IOP Conference Series: Materials Science and Engineering, 2009, 1, 012005.	0.6	0
129	Blue Persistent Phosphor of YSiO <sub>2</sub> :N:Ce <sup>3+</sup> Developed by Codoping Sm <sup>3+</sup> or Tm <sup>3+</sup> Ions and Thermoluminescence Analysis of Their Trap Distributions. Physica Status Solidi (A) Applications and Materials Science, 0, , 2100670.	1.8	6
130	Straining Nanocrystals Strategy: Temperature and Pressure Co-induced Phase Transitions of CsPbBr <sub>3</sub> in Amorphous Matrices. Advanced Optical Materials, 0, , 2200818.	7.3	2