Jumpei Ueda

List of Publications by Year in descending order

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130 papers	5,807 citations	57758 44 h-index	85541 71 g-index
130 all docs	130 docs citations	130 times ranked	3166 citing authors

#	Article	IF	Citations
1	Insight into the Thermal Quenching Mechanism for Y₃Al₅O₁₂:Ce³⁺ through Thermoluminescence Excitation Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 25003-25008.	3.1	278
2	Ratiometric Optical Thermometer Based on Dual Near-Infrared Emission in Cr³⁺-Doped Bismuth-Based Gallate Host. Chemistry of Materials, 2016, 28, 8347-8356.	6.7	224
3	Analysis of Ce3+ luminescence quenching in solid solutions between Y3Al5O12 and Y3Ga5O12 by temperature dependence of photoconductivity measurement. Journal of Applied Physics, 2011, 110, 53102-531026.	2.5	193
4	A brief review on red to near-infrared persistent luminescence in transition-metal-activated phosphors. Optical Materials, 2014, 36, 1907-1912.	3.6	188
5	Control of electron transfer between Ce³⁺ and Cr³⁺ in the Y₃Al_{5â”x}Ga_xO₁₂ host via conduction band engineering. Journal of Materials Chemistry C, 2015, 3, 5642-5651.	5.5	181
6	Visible to near infrared conversion in Ce3+â€“Yb3+ Co-doped YAG ceramics. Journal of Applied Physics, 2009, 106, .	2.5	180
7	Bright persistent ceramic phosphors of Ce3+-Cr3+-codoped garnet able to store by blue light. Applied Physics Letters, 2014, 104, .	3.3	161
8	Tunable trap depth in Zn(Ga1â”xAlx)2O4:Cr,Bi red persistent phosphors: considerations of high-temperature persistent luminescence and photostimulated persistent luminescence. Journal of Materials Chemistry C, 2013, 1, 7849.	5.5	140
9	Enhancement of Red Persistent Luminescence in Cr³⁺-Doped ZnGa₂O₄Phosphors by Bi₂O₃Codoping. Applied Physics Express, 2013, 6, 052602.	2.4	125
10	Revisiting Cr³⁺-Doped Bi₂Ga₄O₉ 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
11	Pushing the Limit of Boltzmann Distribution in Cr³⁺-Doped CaHfO₃ for Cryogenic Thermometry. ACS Applied Materials & Interfaces, 2020, 12, 38325-38332.	8.0	116
12	Effective Ratiometric Luminescent Thermal Sensor by Cr³⁺â€Doped Mullite Bi₂Al₄O₉ with Robust and Reliable Performances. Advanced Optical Materials, 2020, 8, 2000124.	7.3	114
13	Formation of Deep Electron Traps by Yb³⁺ Codoping Leads to Super-Long Persistent Luminescence in Ce³⁺-Doped Yttrium Aluminum Gallium Garnet Phosphors. ACS Applied Materials & Interfaces, 2018, 10, 20652-20660.	8.0	104
14	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
15	Ratiometric optical thermometry using deep red luminescence from 4T2 and 2E states of Cr3+ in ZnGa2O4 host. Optical Materials, 2018, 85, 510-516.	3.6	97
16	Fabrication of Ce3+â€“Cr3+ co-doped yttrium aluminium gallium garnet transparent ceramic phosphors with super long persistent luminescence. Scripta Materialia, 2015, 102, 47-50.	5.2	95
17	Temperature and compositional dependence of optical and optoelectronic properties in Ce3+-doped Y3Sc2Al3â”xGaxO12 (x=0, 1, 2, 3). Optical Materials, 2013, 35, 1952-1957.	3.6	94
18	Water (H₂O and D₂O) Dispersible NIR-to-NIR Upconverting Yb³⁺/Tm³⁺ Doped MF₂ (M = Ca, Sr) Colloids: Influence of the Host Crystal. Crystal Growth and Design, 2013, 13, 4906-4913.	3.0	93

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19	Boltzmann Thermometry in Cr³⁺â€Doped Ga₂O₃ Polymorphs: The Structure Matters!. Advanced Optical Materials, 2021, 9, 2100033.	7.3	90
20	Tailoring Trap Depth and Emission Wavelength in Y₃Al_{5â€“x}Ga_xO₁₂:Ce³⁺,V³⁺ Phosphor-in-G Films for Optical Information Storage. ACS Applied Materials & Interfaces, 2018, 10, 27150-27159.	8.3	89
21	Near-infrared multi-wavelengths long persistent luminescence of Nd3+ ion through persistent energy transfer in Ce3+, Cr3+ co-doped Y3Al2Ga3O12 for the first and second bio-imaging windows. Applied Physics Letters, 2015, 107, .	3.3	87
22	Near-infrared long persistent luminescence of Er³⁺ in garnet for the third bio-imaging window. Journal of Materials Chemistry C, 2016, 4, 11096-11103.	5.5	87
23	Band-gap variation and a self-redox effect induced by compositional deviation in ZnxGa2O3+x:Cr3+ persistent phosphors. Journal of Materials Chemistry C, 2014, 2, 5502.	5.5	83
24	Toward tunable and bright deepâ€red persistent luminescence of Cr³⁺ in garnets. Journal of the American Ceramic Society, 2017, 100, 4033-4044.	3.8	70
25	Cr³⁺/Er³⁺ co-doped LaAlO₃ perovskite phosphor: a near-infrared persistent luminescence probe covering the first and third biological windows. Journal of Materials Chemistry B, 2017, 5, 6385-6393.	5.8	65
26	Yellow persistent luminescence in Ce³⁺â€“Cr³⁺-codoped gadolinium aluminum gallium garnet transparent ceramics after blue-light excitation. Applied Physics Express, 2014, 7, 062201.	2.4	64
27	Y₃Al_{5â^'_x}_xGa_xO₁₂:Cr³⁺: A novel red persistent phosphor with high brightness. Applied Physics Express, 2015, 8, 042602.	2.4	64
28	Photochromism and white long-lasting persistent luminescence in Bi^3+-doped ZnGa_2O_4 ceramics. Optical Materials Express, 2012, 2, 1378.	3.0	61
29	(INVITED) Review of luminescent properties of Ce3+-doped garnet phosphors: New insight into the effect of crystal and electronic structure. Optical Materials: X, 2019, 1, 100018.	0.8	61
30	Upconversion-mediated Boltzmann thermometry in double-layered Bi₂SiO₅:Yb³⁺,Tm³⁺@SiO₂ hollow nanoparticles. Journal of Materials Chemistry C, 2020, 8, 7828-7836.	5.5	61
31	Effect of Bi_2O_3 doping on persistent luminescence of MgGeO_3:Mn^2+ phosphor. Optical Materials Express, 2014, 4, 613.	3.0	60
32	Thermal ionization and thermally activated crossover quenching processes for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>5</mml:mn><mml:mi>d</mml:mi><mml:mo>â^'</mml:m in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">l</mml:mi><mml:mrow. Physical Review B, 2017, 95, .	3.2	59
33	Samariumâ€Doped Oxyfluoride Glassâ€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
34	Ratiometric Luminescent Thermometers with a Customized Phase-Transition-Driven Fingerprint in Perovskite Oxides. ACS Applied Materials & Interfaces, 2019, 11, 38937-38945.	8.0	57
35	Effect of synthesis conditions on Ce3+ luminescence in borate glasses. Journal of Non-Crystalline Solids, 2016, 431, 150-153.	3.1	55
36	Lanthanide-Doped Bi₂SiO₅@SiO₂ Coreâ€“Shell Upconverting Nanoparticles for Stable Ratiometric Optical Thermometry. ACS Applied Nano Materials, 2020, 3, 2594-2604.	5.0	55

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37	Afterglow Luminescence in Ce³⁺-Doped Y₃Sc₂Ga₃O₁₂Ceramics. Applied Physics Express, 2011, 4, 042602.	2.4	53
38	A Comparison on Ce³⁺ Luminescence in Borate Glass and YAG Ceramic: Understanding the Role of Hostâ€™s Characteristics. Journal of Physical Chemistry C, 2016, 120, 17683-17691.	3.1	51
39	The role of Ln³⁺ (Ln = Eu, Yb) in persistent red luminescence in MgGeO₃:Mn²⁺. Journal of Materials Chemistry C, 2017, 5, 8893-8900.	5.5	51
40	Photochromism and near-infrared persistent luminescence in Eu^2+-Nd^3+-co-doped CaAl_2O_4 ceramics. Optical Materials Express, 2013, 3, 787.	3.0	50
41	Novel persistent phosphors of lanthanideâ€“chromium co-doped yttrium aluminum gallium garnet: design concept with vacuum referred binding energy diagram. Journal of Materials Chemistry C, 2016, 4, 4380-4386.	5.5	49
42	RPL in alpha particle irradiated Ag+-doped phosphate glass. Radiation Measurements, 2014, 71, 529-532.	1.4	48
43	Study on Trap Levels in SrSi₂AlO₂N₃:Eu²⁺,Ln³⁺ Persistent Phosphors Based on Host-Referred Binding Energy Scheme and Thermoluminescence Analysis. Inorganic Chemistry, 2016, 55, 11890-11897.	4.0	47
44	Fabrication of Eu:SrAl2O4-based glass ceramics using Frozen sorbet method. Journal of the Ceramic Society of Japan, 2011, 119, 609-615.	1.1	45
45	Design of deep-red persistent phosphors of Gd_3Al_5-xGa_xO_12:Cr^3+ transparent ceramics sensitized by Eu^3+ as an electron trap using conduction band engineering. Optical Materials Express, 2015, 5, 963.	3.0	45
46	Uncovering the Origin of the Emitting States in Bi³⁺-Activated CaMO₃ (M = Zr,) Tj ETQq0 0 0 rgBT /Overlock Chemistry C, 2019, 123, 14677-14688.	3.1	44
47	Multi-color persistent luminescence in transparent glass ceramics containing spinel nano-crystals with Mn2+ ions. Applied Physics Letters, 2014, 105, 191904.	3.3	42
48	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
49	Vacuum Referred Binding Energy (VRBE)-Guided Design of Orange Persistent Ca₃Si₂O₇:Eu²⁺ Phosphors. Inorganic Chemistry, 2017, 56, 10353-10360.	4.0	41
50	Thermal Quenching Mechanism of CaAlSiN3:Eu2+ Red Phosphor. Bulletin of the Chemical Society of Japan, 2018, 91, 173-177.	3.2	41
51	Optical and scintillation properties of Ce-doped 34Li2Oâ€“5MgOâ€“10Al2O3â€“51SiO2 glass. Journal of Non-Crystalline Solids, 2016, 431, 140-144.	3.1	40
52	Preparation, electronic structure of gadolinium oxyhydride and low-energy 5d excitation band for green luminescence of doped Tb³⁺ ions. Journal of Materials Chemistry C, 2018, 6, 7541-7548.	5.5	40
53	Optical and optoelectronic analysis of persistent luminescence in Eu²⁺â€Ð³⁺ codoped SrAl₂O₄ ceramic phosphor. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2322-2325.	0.8	39
54	Energy transfer processes in Sr3Tb0.90Eu0.10(PO4)3. Optical Materials, 2010, 33, 119-122.	3.6	37

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55	Role of electron transfer in Ce3+ sensitized Yb3+ luminescence in borate glass. Journal of Applied Physics, 2015, 117, .	2.5	37
56	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
57	Analysis of optoelectronic properties and development of new persistent phosphor in Ce³⁺-doped garnet ceramics. Journal of the Ceramic Society of Japan, 2015, 123, 1059-1064.	1.1	34
58	Broadband near-infrared persistent luminescence of Ba[Mg₂Al₂N₄] with Eu²⁺ and Tm³⁺ after red light charging. Journal of Materials Chemistry C, 2019, 7, 1705-1712.	5.5	34
59	Enhanced persistent red luminescence in Mn2+-doped (Mg,Zn)GeO3 by electron trap and conduction band engineering. Optical Materials, 2018, 79, 147-151.	3.6	33
60	Ultrabroadband red luminescence of Mn⁴⁺in MgAl₂O₄peaking at 651 nm. Dalton Transactions, 2020, 49, 5711-5721.	3.3	31
61	Spectroscopic properties and location of the Ce³⁺ energy levels in Y₃Al₂Ga₃O₁₂ and Y₃Ga₅O₁₂ at ambient and high hydrostatic pressure. Physical Chemistry Chemical Physics, 2016, 18, 6683-6690.	2.8	30
62	Excited state dynamics and energy transfer rates in Sr3Tb0.90Eu0.10(PO4)3. Journal of Luminescence, 2012, 132, 27-29.	3.1	29
63	1.2 Î¼m persistent luminescence of Ho³⁺ in LaAlO₃ and LaGaO₃ perovskites. Journal of Materials Chemistry C, 2018, 6, 11374-11383.	5.5	29
64	Lanthanide-Doped Bismuth-Based Fluoride Nanocrystalline Particles: Formation, Spectroscopic Investigation, and Chemical Stability. Chemistry of Materials, 2019, 31, 8504-8514.	6.7	29
65	Red persistent luminescence in rare earth-free AlN:Mn2+ phosphor. Materials Letters, 2017, 206, 175-177.	2.6	28
66	Investigation of luminescence quenching and persistent luminescence in Ce3+ doped (Gd,Y)3(Al,Ga)5O12 garnet using vacuum referred binding energy diagram. Journal of Luminescence, 2018, 198, 418-426.	3.1	28
67	Predicting the Optical Pressure Sensitivity of ²E â†' ⁴A₂ Spin-Flip Transition in Cr³⁺-Doped Crystals. Chemistry of Materials, 2021, 33, 3379-3385.	6.7	28
68	Persistent luminescence properties of Cr^3+-Sm^3+ activated LaAlO_3 perovskite. Optical Materials Express, 2016, 6, 1500.	3.0	27
69	Trap depth and color variation of Ce3+-Cr3+ co-doped Gd3(Al,Ga)5O12 garnet persistent phosphors. Optical Materials, 2016, 62, 171-175.	3.6	27
70	Thermoluminescence investigation on Y 3 Al 5 â^'x Ga x O 12 :Ce 3+ -Bi 3+ green persistent phosphors. Journal of Luminescence, 2017, 183, 355-359.	3.1	27
71	Photo-electronic properties and persistent luminescence in Pr3+ doped (Ca,Sr)TiO3 ceramics. Journal of Luminescence, 2014, 148, 290-295.	3.1	26
72	Enhanced Light Storage of SrAl₂O₄ Glassâ€Ceramics Controlled by Selective Europium Reduction. Journal of the American Ceramic Society, 2015, 98, 423-429.	3.8	26

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73	Vacuum referred binding energy of 3d transition metal ions for persistent and photostimulated luminescence phosphors of cerium-doped garnets. Journal of Luminescence, 2017, 192, 371-375.	3.1	26
74	Red-emission over a wide range of wavelengths at various temperatures from tetragonal BaCN₂:Eu²⁺. Journal of Materials Chemistry C, 2018, 6, 6370-6377.	5.5	26
75	Redshift and thermal quenching of Ce3+ emission in (Gd, Y)3(Al, Si)5(O, N)12 oxynitride garnet phosphors. Optical Materials, 2019, 87, 117-121.	3.6	26
76	Comparative study of optical and scintillation properties of Ce:YAGG, Ce:GAGG and Ce:LuAGG transparent ceramics. Journal of the Ceramic Society of Japan, 2016, 124, 569-573.	1.1	25
77	Experimental insights on the electron transfer and energy transfer processes between Ce3+-Yb3+ and Ce3+-Tb3+ in borate glass. Applied Physics Letters, 2015, 106, .	3.3	24
78	Evidence of valence state change of Ce^3+ and Cr^3+ during UV charging process in Y_3Al_2Ga_3O_12 persistent phosphors. Optical Materials Express, 2017, 7, 2471.	3.0	24
79	Orange Persistent Luminescence and Photodarkening Related to Paramagnetic Defects of Nondoped CaO-Ga₂O₃-GeO₂ Glass. Journal of Physical Chemistry C, 2019, 123, 29946-29953.	3.1	23
80	Intense deep-red zero phonon line emission of Mn⁴⁺ in double perovskite La₄Ti₃O₁₂. Physical Chemistry Chemical Physics, 2019, 21, 25108-25117.	2.8	21
81	Surface plasmon excited infrared-to-visible upconversion in Er3+-doped transparent glass ceramics. Journal of Non-Crystalline Solids, 2009, 355, 1912-1915.	3.1	20
82	Site-Selective Eu³⁺ Luminescence in the Monoclinic Phase of YSiO₂N. Chemistry of Materials, 2021, 33, 8873-8885.	6.7	20
83	Broadband near ultra violet sensitization of 1 Î¼m luminescence in Yb3+-doped CeO2 crystal. Journal of Applied Physics, 2011, 110, 073104.	2.5	19
84	Crystal structure analysis and evidence of mixed anion coordination at the Ce³⁺ site in Y₃Al₂(Al,Si)₃(O,N)₁₂ oxynitride garnet phosphor. Journal of Materials Chemistry C, 2019, 7, 1330-1336.	5.5	19
85	Microsized Red Luminescent MgAl₂O₄:Mn⁴⁺ Single-Crystal Phosphor Grown in Molten Salt for White LEDs. Inorganic Chemistry, 2020, 59, 18374-18383.	4.0	19
86	Evidence of three different Eu2+ sites and their luminescence quenching processes in CaAl2O4:Eu2+. Optical Materials, 2015, 41, 84-89.	3.6	18
87	Facile pâ€“n control, and magnetic and thermoelectric properties of chromium selenides Cr2+xSe3. Journal of Materials Chemistry C, 2019, 7, 8269-8276.	5.5	18
88	Preparation and Optical Property of Glass Ceramics Containing Ruby Crystals. Journal of the American Ceramic Society, 2010, 93, 3084-3087.	3.8	17
89	Scintillation and optical properties of Ce-doped YAGG transparent ceramics. Journal of Rare Earths, 2016, 34, 763-768.	4.8	17
90	Significance of host×³s intrinsic absorption band tailing on Ce3+ luminescence quantum yield in borate glass. Journal of Luminescence, 2016, 170, 785-788.	3.1	17

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91	Development of persistent phosphor of Eu2+ doped Ba2SiO4 by Er3+ codoping based on vacuum referred binding energy diagram. Optical Materials, 2018, 84, 436-441.	3.6	14
92	Long persistent luminescence and blue photochromism in Eu2+-Dy3+ co-doped barium silicate glass ceramic phosphor. Journal of Luminescence, 2019, 207, 246-250.	3.1	14
93	Recreating the Lycurgus effect from silver nanoparticles in solutions and in silica gel. Journal of Materials Science, 2014, 49, 3299-3304.	3.7	13
94	Large red-shift of luminescence from BaCN₂:Eu²⁺ red phosphor under high pressure. Applied Physics Express, 2020, 13, 042009.	2.4	13
95	How to Design and Analyze Persistent Phosphors?. Bulletin of the Chemical Society of Japan, 2021, 94, 2807-2821.	3.2	13
96	Rapid deposition and thermoelectric properties of ytterbium boride thin films using hybrid physical chemical vapor deposition. Materialia, 2018, 1, 244-248.	2.7	12
97	Comparison of quenching mechanisms in Gd3Al5â˜xGaxO12:Ce3+ (x = 3 and 5) garnet phosphors by photocurrent excitation spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 18380-18390.	2.8	12
98	Properties of Charge Carrier Traps in Lu₂O₃:Tb,Hf Ceramic Storage Phosphors Observed by High-Pressure Spectroscopy and Photoconductivity. Journal of Physical Chemistry C, 2020, 124, 20340-20349.	3.1	12
99	In Situ Growth Mechanism of CsPbX₃ (X = Cl, Br, and I) Quantum Dots in an Amorphous Oxide Matrix. Chemistry of Materials, 2022, 34, 1599-1610.	6.7	12
100	High-Pressure Photoluminescence Properties of Cr³⁺-Doped LaGaO₃Perovskites Modulated by Pressure-Induced Phase Transition. Inorganic Chemistry, 2021, 60, 19253-19262.	4.0	12
101	Intense hypersensitive luminescence of Eu3+-doped YSiO2N oxynitride with near-UV excitation. Optical Materials, 2018, 83, 111-117.	3.6	10
102	Local coordination, electronic structure, and thermal quenching of Ce³⁺ in isostructural Sr₂GdAlO₅ and Sr₃AlO₄F phosphors. Journal of the American Ceramic Society, 2019, 102, 1316-1328.	3.8	10
103	Development of White Persistent Phosphors by Manipulating Lanthanide Ions in Gadolinium Gallium Garnets. Advanced Photonics Research, 2021, 2, 2000102.	3.6	10
104	How Many Electron Traps are formed in Persistent Phosphors?. ECS Journal of Solid State Science and Technology, 2021, 10, 116003.	1.8	8
105	Optical and optoelectronic properties of Ce3+ doped Mg3 Y2 (Ge,Si)3 O12 inverse garnet. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2296-2299.	0.8	7
106	Pressure-induced variation of persistent luminescence characteristics in Y₃Al_{5â˜x}Ga_xO₁₂:Ce³⁺â€“M³⁺(M) Tj ETQq0 0 0 rgBT /O Chemical Physics, 2020, 22, 19502-19511.	2.8	7
107	Red luminescent Eu²⁺ in K₂MgH₄ and comparison with KMgH₃. Journal of Materials Chemistry C, 2020, 8, 5124-5130.	5.5	7
108	Modulation of the optical properties of Pr³⁺-doped Y₂O₃ ceramics by Zr doping. Journal of the Ceramic Society of Japan, 2014, 122, 89-92.	1.1	6

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109	Luminescence properties of layered mixed-anion compounds Sr2ScCuSeO3 and Sr3Sc2Cu2Se2O5. Optical Materials, 2018, 84, 205-208.	3.6	6
110	Flicker Suppression of AC Driven White LED by Yellow Persistent Phosphor of Ce³⁺â€“Cr³⁺ Co-doped Garnet. Journal of Science and Technology in Lighting, 2018, 41, 89-92.	0.4	6
111	Blue Persistent Phosphor of YSiO 2 N:Ce 3+ Developed by Codoping Sm 3+ or Tm 3+ Ions and Thermoluminescence Analysis of Their Trap Distributions. Physica Status Solidi (A) Applications and Materials Science, 0, , 2100670.	1.8	6
112	Editors' Choiceâ€”Investigation of Luminescence and Photoacoustic Properties in Ce³⁺-DopedLn₃Al₅O₁₂(Ln= Lu, Y, Gd) Garnet. ECS Journal of Solid State Science and Technology, 2016, 5, R219-R222.	1.8	5
113	Formation of PbCl₂-type AHF (A = Ca, Sr, Ba) with partial anion order at high pressure. Dalton Transactions, 2021, 50, 8385-8391.	3.3	5
114	Difference of Eu3+ luminescent properties in YOCl and YOBr oxyhalide hosts. Journal of Applied Physics, 2021, 129, .	2.5	5
115	Multimodal deep red luminescent ratiometric thermometer of LaAlO3 doped with Mn4+. Physica B: Condensed Matter, 2021, , 413492.	2.7	4
116	Effect of Glass Composition on Luminescence and Structure of CsPbBr3 Quantum Dots in an Amorphous Matrix. Materials, 2022, 15, 1678.	2.9	4
117	Sensitization mechanisms of 1â€‰Âµm luminescence in Tb³⁺â€“Yb³⁺ coâ€doped borate glasses. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 1827-1832.	1.8	3
118	Development of blue excitable persistent phosphor of Ce³⁺-doped garnet ceramics by bandgap engineering and metal sensitization. Proceedings of SPIE, 2014, , .	0.8	3
119	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
120	Time-resolved and temperature-dependent spectroscopy for blue luminescence of monoclinic YSiO2N:Ce3+ phosphor. Journal of Luminescence, 2022, 249, 118943.	3.1	3
121	1.5Î¼m persistent luminescence of Er3+ in Gd3Al5-xGaxO12 (GAGG) garnets via persistent energy transfer. , 2019, , .		2
122	Deep-red to near-infrared luminescence from Eu²⁺-trapped exciton states in YSiO₂N. Physical Chemistry Chemical Physics, 2022, 24, 4348-4357.	2.8	2
123	Selfâ€Straining Nanocrystals Strategy: Temperature and Pressure Coâ€Induced Phase Transitions of CsPbBr ₃ in Amorphous Matrices. Advanced Optical Materials, 0, , 2200818.	7.3	2
124	Visible to near infrared conversion in Ce³⁺-Yb³⁺ Co-doped YAG ceramics. , 2009, , .		1
125	Surface plasmon excited fluorescence of Er3+-Doped Y2O3thin film fabricated by Pulsed Laser Deposition. IOP Conference Series: Materials Science and Engineering, 2009, 1, 012005.	0.6	0
126	Preparation of glass ceramics containing ruby crystals. IOP Conference Series: Materials Science and Engineering, 2011, 18, 102006.	0.6	0

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127	Electronic and Optical Properties of Ce3+ Doped Garnet Ceramics. , 2012, , .		0
128	Optical properties and mechanisms in Cr3+, Bi3+-codoped oxide-based spinel nanoparticles. , 2017, , .		0
129	Reply to the â€˜Comment on â€œSpectroscopic properties and location of the Ce3+ energy levels in Y3Al2Ga3O12 and Y3Ga5O12 at ambient and high hydrostatic pressureâ€â€™ by Y. Wang, M. GÅ‚owacki, M. Berkowski, A. KamiÅ„ska and A. Suchocki, Phys. Chem. Chem. Phys., 2019, 21, DOI: 10.1039/C8CP06154H. Physical Chemistry Chemical Physics, 2019, 21, 2818-2820.	2.8	0
130	Development of Transparent Ceramic Persistent Phosphors toward High Performances. The Review of Laser Engineering, 2019, 47, 428.	0.0	0