

被引用数	著者名	タイトル	出版物名	出版年	巻号	論文番号	開始ページ	終了ページ	DOI
1	501 Tanabe S., Ohyagi T., Soga N., Hanada T.	Compositional dependence of Judd-Ofelt parameters of Er ³⁺ ions in alkali-metal borate glasses	<i>Physical Review B</i>	1992	46	6	3305	3310	10.1103/PhysRevB.46.3305
2	361 Nishiura S., Tanabe S., Fujioka K., Fujimoto Y.	Properties of transparent Ce:YAG ceramic phosphors for white LED	<i>Optical Materials</i>	2011	33	5	688	691	10.1016/j.optmat.2010.06.005
3	271 Tanabe S.	Optical transitions of rare earth ions for amplifiers: How the local structure works in glass	<i>J. Non-Crystalline Solids</i>	1999	259		1	9	10.1016/S0022-3093(99)00490-1
4	266 Tanabe S., Hayashi H., Hanada T., Onodera N.	Fluorescence properties of Er ³⁺ ions in glass ceramics containing LaF ₃ nanocrystals	<i>Optical Materials</i>	2002	19	3	343	349	10.1016/S0925-3467(01)00236-1
5	255 Tanabe S., Sugimoto N., Ito S., Hanada T.	Broad-band 1.5 μm emission of Er ³⁺ ions in bismuth-based oxide glasses for potential WDM amplifier	<i>J. Luminescence</i>	2000	87		670	672	10.1016/S0022-2313(99)00352-X
6	197 Tanabe S., Yoshii S., Hirao K., Soga N.	Upconversion properties, multiphonon relaxation, and local environment of rare-earth ions in fluorophosphate glasses	<i>Physical Review B</i>	1992	45	9	4620	4625	10.1103/PhysRevB.45.4620
7	194 Tanabe S., Ohyagi T., Todoroki S., Hanada T., Soga N.	Relation between the Ω ₆ intensity parameter of Er ³⁺ ions and the 151Eu isomer shift in oxide glasses	<i>J. Applied Physics</i>	1993	73	12	8451	8454	10.1063/1.353417
8	183 Fujita S., Sakamoto A., Tanabe S.	Luminescence characteristics of YAG glass-ceramic phosphor for white LED	<i>IEEE J. Selected Topics in Quantum Electronics</i>	2008	14	5	1387	1391	10.1109/JSTQE.2008.920285
9	173 Tanabe S., Hirao K., Soga N.	Upconversion fluorescences of TeO ₂ - and Ga ₂ O ₃ -based oxide glasses containing Er ³⁺	<i>J. Non-Crystalline Solids</i>	1990	122	1	79	82	10.1016/0022-3093(90)90228-E
10	167 Ueda J., Tanabe S.	Visible to near infrared conversion in Ce ³⁺ - Yb ³⁺ Co-doped YAG ceramics	<i>J. Applied Physics</i>	2009	106	4	43101	(5p)	10.1063/1.3194310
11	163 Ueda J., Dorenbos P., Bos A.J.J., Meijerink A., Tanabe S.	Insight into the Thermal Quenching Mechanism for Y ₃ Al ₅ O ₁₂ :Ce ³⁺ through Thermoluminescence Excitation Spectroscopy	<i>J. Physical Chemistry C</i>	2015	119	44	25003	25008	10.1021/acs.jpcc.5b08828
12	163 Tanabe S.	Rare-earth-doped glasses for fiber amplifiers in broadband telecommunication	<i>Comptes Rendus Chimie</i>	2002	5	12	815	824	10.1016/S1631-0748(02)01449-2
13	157 Feng X., Tanabe S., Hanada T.	Hydroxyl groups in erbium-doped germanotellurite glasses	<i>J. Non-Crystalline Solids</i>	2001	281		48	54	10.1016/S0022-3093(00)00429-4

- 14 **149** Feng X., Tanabe S., Hanada T. Spectroscopic Properties and Thermal Stability of Er³⁺-Doped Germanotellurite Glasses for Broadband Fiber Amplifiers *J. American Ceramic Society* **2001** **84** 1 165 171 10.1111/j.1151-2916.2001.tb00625.x
- 15 **146** Takasaki H., Tanabe S., Kanada T. Long-lasting afterglow characteristics of Eu, Dy codoped SrO-Al₂O₃ phosphor *J. Ceramic Society of Japan* **1996** **104** 4 322 326 10.2109/jcersj.104.322
- 16 **143** Ueda J., Tanabe S., Nakanishi T. Analysis of Ce³⁺ luminescence quenching in solid solutions between Y₃Al₅O₁₂ and Y₃Ga₅O₁₂ by temperature dependence of photoconductivity measurement *J. Applied Physics* **2011** **110** 5 53102 (6p) 10.1063/1.3632069
- 17 **138** Fujita S., Yoshihara S., Sakamoto A., Yamamoto S., Tanabe S. YAG glass-ceramic phosphor for white LED (I): Background and development *Proceedings of SPIE* **2005** **5941** 594111 (7p) 10.1117/12.614668
- 18 **118** Zhou S., Jiang N., Miura K., Tanabe S., Shimizu M., Sakakura M., Shimotsuma Simultaneous tailoring of phase evolution and dopant distribution in the glassy phase for controllable luminescence *J. American Chemical Society* **2010** **132** 50 17945 17952 10.1021/ja108512g
- 19 **110** Tanabe S., Todoroki S., Hirao K., Soga N. Phonon sideband of Eu³⁺ in sodium borate glasses *J. Non-Crystalline Solids* **1990** **122** 1 59 65 10.1016/0022-3093(90)90225-B
- 20 **108** Zhuang Y., Katayama Y., Ueda J., Tanabe S. A brief review on red to near-infrared persistent luminescence in transition-metal-activated phosphors *Optical Materials* **2014** **36** 11 1907 1912 10.1016/j.optmat.2014.05.035
- 21 **107** Ueda J., Kuroishi K., Tanabe S. Bright persistent ceramic phosphors of Ce³⁺-Cr³⁺-codoped garnet able to store by blue light *Applied Physics Letters* **2014** **104** 10 101904 (4p) 10.1063/1.4868138
- 22 **104** Ueda J., Dorenbos P., Bos A.J.J., Kuroishi K., Tanabe S. Control of electron transfer between Ce³⁺ and Cr³⁺ in the Y₃Al₅-xGa_xO₁₂ host via conduction band engineering *J. Materials Chemistry C* **2015** **3** 22 5642 5651 10.1039/c5tc00546a
- 23 **98** Zhuang Y., Ueda J., Tanabe S. Enhancement of red persistent luminescence in Cr³⁺-doped ZnGa₂O₄ phosphors by Bi₂O₃ codoping *Applied Physics Express* **2013** **6** 5 52602 (3p) 10.7567/APEX.6.052602
- 24 **98** Tanabe S., Fujita S., Yoshihara S., Sakamoto A., Tanabe S. YAG glass-ceramic phosphor for white LED (II): Luminescence characteristics *Proceedings of SPIE* **2005** **5941** 594112 (6p) 10.1117/12.614681
- 25 **96** Tanabe S., Hanada T., Ohyagi T., Soga N. Correlation between Eu¹⁵¹ Mössbauer isomer shift and Judd-Ofelt Ω₆ parameters of Nd³⁺ ions in phosphate and silicate laser glasses *Physical Review B* **1993** **48** 14 10591 10594 10.1103/PhysRevB.48.10591
- 26 **95** Zhuang Y., Ueda J., Tanabe S. Tunable trap depth in Zn(Ga_{1-x}Al_x)₂O₄:Cr,Bi red persistent phosphors: Considerations of high-temperature persistent luminescence and photostimulated persistent luminescence *J. Materials Chemistry C* **2013** **1** 47 7849 7855 10.1039/c3tc31462f

27	85	Tanabe S., Tamai K., Hirao K., Soga N.	Excited-state absorption mechanisms in red-laser-pumped uv and blue upconversions in Tm ³⁺ -doped fluoroaluminate glass	<i>Physical Review B</i>	1993	47	5	2507	2514	10.1103/PhysRevB.47.2507
28	83	Tanabe S., Kang J., Hanada T., Soga N.	Yellow/blue luminescences of Dy ³⁺ -doped borate glasses and their anomalous temperature variations	<i>J. Non-Cryst. Solids</i>	1998	239	1	170	175	10.1016/s0022-3093(98)00734-0
29	83	Tanabe S., Suzuki K., Soga N., Hanada T.	Mechanisms and concentration dependence of Tm ³⁺ blue and Er ³⁺ green up-conversion in codoped glasses by red-laser pumping	<i>J. Luminescence</i>	1995	65	5	247	255	10.1016/0022-2313(95)00071-2
30	81	Fujita S., Umayahara Y., Tanabe S.	Influence of light scattering on luminous efficacy in Ce: YAG glass-ceramic phosphor	<i>J. Ceramic Society of Japan</i>	2010	118		128	131	10.2109/jcersj2.118.128
31	81	Tanabe S., Hanada T., Watanabe M., Hayashi T., Soga N.	Optical Properties of Dysprosium-Doped Low-Phonon-Energy Glasses for a Potential 1.3 μm Optical Amplifier	<i>J. American Ceramic Society</i>	1995	78	11	2917	2922	10.1111/j.1151-2916.1995.tb09064.x
32	80	Back M., Trave E., Ueda J., Tanabe S.	Ratiometric optical thermometer based on dual near-infrared emission in Cr ³⁺ -doped bismuth-based gallate host	<i>Chemistry of Materials</i>	2016	28	22	8347	8356	10.1021/acs.chemmater.6b03625
33	80	Tanabe S., Feng X.	Temperature variation of near-infrared emission from Cr ⁴⁺ in aluminate glass for broadband telecommunication	<i>Applied Physics Letters</i>	2000	77	6	818	820	10.1063/1.1306644
34	76	Hayashi H., Tanabe S., Hanada T.	1.4 μm band emission properties of Tm ³⁺ ions in transparent glass ceramics containing PbF ₂ nanocrystals for S-band amplifier	<i>J. Applied Physics</i>	2001	89	2	1041	1045	10.1063/1.1335645
35	74	Kishi Y., Tanabe S., Tochino S., Pezzotti G.	Fabrication and efficient infrared-to-visible upconversion in transparent glass ceramics of Er-Yb Co-doped CaF ₂ nano-crystals	<i>J. American Ceramic Society</i>	2005	88	12	3423	3426	10.1111/j.1551-2916.2005.00614.x
36	70	Xu J., Tanabe S.	Persistent luminescence instead of phosphorescence: History, mechanism, and perspective	<i>J. Luminescence</i>	2019	205		581	620	10.1016/j.jlumin.2018.09.047
37	66	Ueda J., Aishima K., Tanabe S.	Temperature and compositional dependence of optical and optoelectronic properties in Ce ³⁺ -doped Y ₃ Sc ₂ Al _{3-x} Ga _x O ₁₂ (x = 0, 1, 2, 3)	<i>Optical Materials</i>	2013	35	11	1952	1957	10.1016/j.optmat.2012.11.016
38	61	Tanabe S., Hanada T.	Local structure and 1.5 μm quantum efficiency of erbium doped glasses for optical amplifiers	<i>J. Non-Crystalline Solids</i>	1996	196		101	105	10.1016/0022-3093(95)00557-9
39	59	Tanabe S., Hirao K., Soga N.	Local structure of rare-earth ions in fluorophosphate glasses by phonon sideband and mössbauer spectroscopy	<i>J. Non-Crystalline Solids</i>	1992	142	C	148	154	10.1016/S0022-3093(05)80017-1

40	58	Tanabe S., Takahara K., Takahashi M., Kawamoto Y.	Spectroscopic studies of radiative transitions and upconversion characteristics of Er ³⁺ ions in simple pseudoternary fluoride glasses MF _n -BaF ₂ -YF ₃ (M: Zr, Hf, Al, Sc, Ga, In, or Zn)	<i>J. Optical Society of America B: Optical Physics</i>	1995	12	5	786	793	10.1364/JOSAB.12.000786
41	57	Xu J., Ueda J., Kuroishi K., Tanabe S.	Fabrication of Ce ³⁺ -Cr ³⁺ co-doped yttrium aluminium gallium garnet transparent ceramic phosphors with super long persistent luminescence	<i>Scripta Materialia</i>	2015	102		47	50	10.1016/j.scriptamat.2015.01.029
42	55	Zhuang Y., Ueda J., Tanabe S., Dorenbos P.	Band-gap variation and a self-redox effect induced by compositional deviation in Zn _x Ga ₂ O _{3+x} :Cr ³⁺ persistent phosphors	<i>J. Materials Chemistry C</i>	2014	2	28	5502	5509	10.1039/c4tc00369a
43	54	Nakanishi T., Tanabe S.	Novel Eu ²⁺ -activated glass ceramics precipitated with green and red phosphors for high-power white LED	<i>IEEE J. Selected Topics in Quantum Electronics</i>	2009	15	4	1171	1176	10.1109/JSTQE.2009.2014396
44	54	Tanabe S., Hirao K., Soga N.	Elastic Properties and Molar Volume of Rare - Earth Aluminosilicate Glasses	<i>J. American Ceramic Society</i>	1992	75	3	503	506	10.1111/j.1151-2916.1992.tb07833.x
45	54	Todoroki S., Tanabe S., Hirao K., Soga N.	Phonon sideband spectra and local structure around Eu ³⁺ ions in sodium silicate glasses	<i>J. Non-Crystalline Solids</i>	1991	136	3	213	218	10.1016/0022-3093(91)90492-0
46	52	Xu J., Tanabe S., Sontakke A.D., Ueda J.	Near-infrared multi-wavelengths long persistent luminescence of Nd ³⁺ ion through persistent energy transfer in Ce ³⁺ , Cr ³⁺ co-doped Y ₃ Al ₂ Ga ₃ O ₁₂ for the first and second bio-imaging windows	<i>Applied Physics Letters</i>	2015	107	8	81903	(4p)	10.1063/1.4929495
47	52	Lin H., Tanabe S., Lin L., Hou Y.Y., Liu K., Yang D.L., Ma T.C., Yu J.Y., Pun E.Y.B.	Near-infrared emissions with widely different widths in two kinds of Er ³⁺ -doped oxide glasses with high refractive indices and low phonon energies	<i>J. Luminescence</i>	2007	124	1	167	172	10.1016/j.jlumin.2006.02.019
48	52	Kishi Y., Tanabe S.	Infrared-to-visible upconversion of rare-earth doped glass ceramics containing CaF ₂ crystals	<i>J. Alloys and Compounds</i>	2006	408-412		842	844	10.1016/j.jallcom.2005.01.096
49	52	Feng X., Tanabe S., Hanada T.	Spectroscopic properties of erbium-doped ultraphosphate glasses for 1.5 μm amplification	<i>J. Applied Physics</i>	2001	89	7	3560	3567	10.1063/1.1352687
50	52	Tanabe S., Hirao K., Soga N.	Mössbauer spectroscopy of ¹⁵¹ Eu in oxide crystals and glasses	<i>J. Non-Crystalline Solids</i>	1989	113		178	184	10.1016/0022-3093(89)90009-4
51	51	Katayama Y., Kobayashi H., Tanabe S.	Deep-red persistent luminescence in Cr ³⁺ -doped LaAlO ₃ perovskite phosphor for in vivo imaging	<i>Applied Physics Express</i>	2015	8	1	12102	(3p)	10.7567/APEX.8.012102