

# Kana Fujioka

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

385  
citations

840776

11  
h-index

752698

20  
g-index

39  
all docs

39  
docs citations

39  
times ranked

275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of color rendering index of BGYR laser illuminants. <i>Optical Review</i> , 2022, 29, 267-275.	2.0	3
2	Analyses of energy transfer of Cr <sup>3+</sup> and Nd <sup>3+</sup> co-doped Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> ceramic powders at the <sup>4</sup> T <sub>1</sub> level of Cr <sup>3+</sup> ion excitation. <i>Japanese Journal of Applied Physics</i> , 2022, 61, 022004.	1.5	0
3	Cascaded energy transfer and enhanced near-infrared emission in visible-pumped Cr and Nd co-doped Yb:YAG. <i>Optical Materials</i> , 2022, 128, 112396.	3.6	2
4	Concentration-dependent fluorescence decay and energy transfer in Cr <sup>3+</sup> and Nd <sup>3+</sup> co-doped Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> ceramic powder. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 032001.	1.5	1
5	2.6-GHz fundamental repetition rate, Q-switched mode-locking Nd <sup>3+</sup> -doped single-mode silica fiber laser, fabricated by zeolite method. <i>Optics Communications</i> , 2021, 497, 127151.	2.1	1
6	Temperature dependence of the small-signal gain of a Cr <sup>3+</sup> and Nd <sup>3+</sup> co-doped Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> ceramic. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 072003.	1.5	2
7	Simultaneous acquisition of color and distance information by LiDAR with RGB visible laser diodes. <i>Optical Review</i> , 2021, 28, 516-523.	2.0	1
8	AlN <sup>+</sup> Ce-doped yttrium aluminum garnet composite ceramic phosphor for high-power laser lighting. <i>Optical Materials</i> , 2021, 121, 111507.	3.6	19
9	Short-length CW laser of Nd <sup>3+</sup> heavily doped single-mode silica glass fiber fabricated by zeolite method. <i>Optics Communications</i> , 2020, 475, 126270.	2.1	5
10	Key Technologies for the Development of 100 J, 100 Hz Cryogenically-Cooled Active-Mirror Amplifier. , 2019, , .		0
11	Room-temperature bonding with post-heat treatment for composite Yb:YAG ceramic lasers. <i>Optical Materials</i> , 2019, 91, 344-348.	3.6	6
12	Temperature-dependent fluorescence decay and energy transfer in Nd/Cr:YAG ceramics. <i>Optical Materials</i> , 2019, 90, 215-219.	3.6	9
13	Terbium Aluminium Garnet Ceramics for Ultrahigh Power Laser Isolators. , 2019, , .		1
14	Heat treatment of transparent Yb:YAG and YAG ceramics and its influence on laser performance. <i>Optical Materials</i> , 2018, 79, 353-357.	3.6	6
15	High-beam-quality, efficient operation of passively Q-switched Yb:YAG/Cr:YAG laser pumped by photonic-crystal surface-emitting laser. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	5
16	Analysis of energy transfer processes for exciting in Cr <sup>3+</sup> 4T <sub>1</sub> level of Nd/Cr:YAG materials. , 2016, , .		0
17	Small signal gain for Nd/Cr:YAG ceramics at high temperature. , 2015, , .		1
18	Ion diffusion at the bonding interface of undoped YAG/Yb:YAG composite ceramics. <i>Optical Materials</i> , 2015, 46, 542-547.	3.6	28

#	ARTICLE	IF	CITATIONS
19	Temperature dependence of optical properties in Nd/Cr:YAG materials. Journal of Luminescence, 2014, 148, 342-346.	3.1	27
20	Conceptual Design of a Sub-Exa-Watts Laser System “GEKKO-EXA”. The Review of Laser Engineering, 2014, 42, 179.	0.0	3
21	Parameter mapping survey on optimized sensitizing effect of Ce/Cr/Nd:YAG material for solar-pumped solid-state lasers. Journal of Luminescence, 2013, 143, 10-13.	3.1	16
22	INCREASE IN EFFECTIVE FLUORESCENCE LIFETIME BY CROSS-RELAXATION EFFECT DEPENDING ON TEMPERATURE OF Nd/Cr:YAG CERAMIC USING WHITE-LIGHT PUMP SOURCE. Optics and Photonics Letters, 2013, , 1350003.	0.8	13
23	Analysis on Amplification Properties of Ce/Cr/Nd:YAG Ceramic Lasers by Computational Calculation. The Review of Laser Engineering, 2011, 39, 854-861.	0.0	1
24	Temperature Dependence of Optical Properties in Ce:YAG Ceramics. The Review of Laser Engineering, 2010, 38, 382-385.	0.0	0
25	Luminescence Properties of Ce/Cr/Nd:YAG Materials for Solar-Pumped Lasers. The Review of Laser Engineering, 2010, 38, 207-212.	0.0	3
26	Luminescence properties of highly Cr co-doped Nd:YAG powder produced by sol-gel method. Journal of Luminescence, 2010, 130, 455-459.	3.1	36
27	Nd <sup>3+</sup> - and Cr <sup>3+</sup> -Doped Yttrium Aluminum Garnet Ceramic Pulse Laser Using Cr <sup>4+</sup> -Doped Yttrium Aluminum Garnet Crystal Passive Q-Switch. Japanese Journal of Applied Physics, 2009, 48, 122501.	1.5	10
28	Pre-evaluation method for the spectroscopic properties of YAG bulk materials by sol-gel synthetic YAG powder. Ceramics International, 2009, 35, 2393-2399.	4.8	17
29	200 W-Class Nd/Cr:YAG Ceramic Laser under CW Quasi-Solar Pumping. The Review of Laser Engineering, 2009, 37, 374-378.	0.0	2
30	Effective Fluorescence Lifetime and Stimulated Emission Cross-Section of Nd/Cr:YAG Ceramics under CW Lamplight Pumping. Japanese Journal of Applied Physics, 2008, 47, 7896.	1.5	31
31	Evaluation of Fluorescence Property of Doped-YAG Ceramic Powder Produced by Sol-Gel Method. The Review of Laser Engineering, 2007, 35, 393-397.	0.0	0
32	Rapid growth of deuterated L-Alanine-doped Triglycine Sulfate crystal and its pyroelectric property. IEEJ Transactions on Sensors and Micromachines, 2000, 120, 306-309.	0.1	0
33	Rapid growth over 50 mm/day of water-soluble KDP crystal. Journal of Crystal Growth, 1997, 171, 531-537.	1.5	62
34	Growth and characterization of deuterated L-arginine phosphate monohydrate, a new nonlinear crystal, for efficient harmonic generation of fusion experiment lasers. Journal of Crystal Growth, 1990, 99, 815-819.	1.5	62
35	Growth and second harmonic generation of deuterated L-arginine phosphate monohydrate crystal.. The Review of Laser Engineering, 1988, 16, 828-835.	0.0	0
36	Formation of macroscopic hillocks on the prismatic faces of KDP crystals due to microbes in the solution. Journal of Crystal Growth, 1987, 85, 549-552.	1.5	11

#	ARTICLE	IF	CITATIONS
37	The effect of the microbes in KDP solution on the growth habit of the crystals.. The Review of Laser Engineering, 1987, 15, 32-37.	0.0	0
38	Thermal properties of AlNâ€“Ce:YAG composite ceramic phosphor for laser lighting. Optical Review, 0, , 1.	2.0	1