Kana Fujioka

List of Publications by Year
in descending order

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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	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
2	Rapid growth over 50 mm/day of water-soluble KDP crystal. Journal of Crystal Growth, 1997, 171, 531-537.	1.5	62
3	Luminescence properties of highly Cr co-doped Nd:YAG powder produced by solâ€“gel method. Journal of Luminescence, 2010, 130, 455-459.	3.1	36
4	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
5	Ion diffusion at the bonding interface of undoped YAG/Yb:YAG composite ceramics. Optical Materials, 2015, 46, 542-547.	3.6	28
6	Temperature dependence of optical properties in Nd/Cr:YAG materials. Journal of Luminescence, 2014, 148, 342-346.	3.1	27
7	AlNâ€“Ce-doped yttrium aluminum garnet composite ceramic phosphor for high-power laser lighting. Optical Materials, 2021, 121, 111507.	3.6	19
8	Pre-evaluation method for the spectroscopic properties of YAG bulk materials by solâ€“gel synthetic YAG powder. Ceramics International, 2009, 35, 2393-2399.	4.8	17
9	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
10	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
11	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
12	Nd3+- and Cr3+-Doped Yttrium Aluminum Garnet Ceramic Pulse Laser Using Cr4+-Doped Yttrium Aluminum Garnet Crystal Passive Q-Switch. Japanese Journal of Applied Physics, 2009, 48, 122501.	1.5	10
13	Temperature-dependent fluorescence decay and energy transfer in Nd/Cr:YAG ceramics. Optical Materials, 2019, 90, 215-219.	3.6	9
14	Heat treatment of transparent Yb:YAG and YAG ceramics and its influence on laser performance. Optical Materials, 2018, 79, 353-357.	3.6	6
15	Room-temperature bonding with post-heat treatment for composite Yb:YAG ceramic lasers. Optical Materials, 2019, 91, 344-348.	3.6	6
16	High-beam-quality, efficient operation of passively Q-switched Yb:YAG/Cr:YAG laser pumped by photonic-crystal surface-emitting laser. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	5
17	Short-length CW laser of Nd<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e218" altimg="si70.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math> heavily doped single-mode silica glass fiber fabricated by zeolite method. Optics Communications, 2020, 475, 126270.	2.1	5
18	Luminescence Properties of Ce/Cr/Nd:YAG Materials for Solar-Pumped Lasers. The Review of Laser Engineering, 2010, 38, 207-212.	0.0	3

#	Article	IF	Citations
19	Conceptual Design of a Sub-Exa-Watts Laser System â€œGEKKO-EXAâ€• The Review of Laser Engineering, 2014, 42, 179.	0.0	3
20	Improvement of color rendering index of BGYR laser illuminants. Optical Review, 2022, 29, 267-275.	2.0	3
21	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
22	Temperature dependence of the small-signal gain of a Cr³⁺Âand Nd³⁺Âco-doped Y₃Al₅O₁₂ ceramic. Japanese Journal of Applied Physics, 2021, 60, 072003.	1.5	2
23	Cascaded energy transfer and enhanced near-infrared emission in visible-pumped Cr and Nd co-doped Yb:YAG. Optical Materials, 2022, 128, 112396.	3.6	2
24	Analysis on Amplifi cation Properties of Ce/Cr/Nd:YAG Ceramic Lasers by Computational Calculation. The Review of Laser Engineering, 2011, 39, 854-861.	0.0	1
25	Small signal gain for Nd/Cr:YAG ceramics at high temperature. , 2015, , .		1
26	Terbium Aluminium Garnet Ceramics for Ultrahigh Power Laser Isolators. , 2019, , .		1
27	Concentration-dependent fluorescence decay and energy transfer in Cr³⁺ and Nd³⁺ co-doped Y₃Al₅O₁₂ ceramic powder. Japanese Journal of Applied Physics, 2021, 60, 032001.	1.5	1
28	2.6-GHz fundamental repetition rate, Q-switched mode-locking Nd<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e703" altimg="si109.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>-doped single-mode silica fiber laser, fabricated by zeolite method. Optics Communications, 2021, 497, 127151.	2.1	1
29	Simultaneous acquisition of color and distance information by LiDAR with RGB visible laser diodes. Optical Review, 2021, 28, 516-523.	2.0	1
30	Thermal properties of AlNâ€“Ce:YAG composite ceramic phosphor for laser lighting. Optical Review, 0, , 1.	2.0	1
31	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
32	Temperature Dependence of Optical Properties in Ce:YAG Ceramics. The Review of Laser Engineering, 2010, 38, 382-385.	0.0	0
33	Key Technologies for the Development of 100 J, 100 Hz Cryogenically-Cooled Active-Mirror Amplifier. , 2019, , .		0
34	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
35	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
36	Growth and second harmonic generation of deuterated L-arginine phosphate monohydrate crystal.. The Review of Laser Engineering, 1988, 16, 828-835.	0.0	0

#	Article	IF	Citations
37	Analysis of energy transfer processes for exciting in Cr3+ 4T1 level of Nd/Cr:YAG materials. , 2016, , .		0
38	Analyses of energy transfer of Cr³⁺Âand Nd³⁺Âco-doped Y₃Al₅O₁₂ ceramic powders at the ⁴ T ₁ level of Cr³⁺Âion excitation. Japanese Journal of Applied Physics, 2022, 61, 022004.	1.5	0