

Grigory Lanskii

List of Publications by Year in descending order

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279487

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72
all docs

72
docs citations

72
times ranked

720
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz Birefringence and Dichroism of KTA Crystal. Crystals, 2020, 10, 730.	1.0	2
2	Giant non-linear susceptibility of hydrogenic donors in silicon and germanium. Light: Science and Applications, 2019, 8, 64.	7.7	11
3	Phase-matching in KTP crystal for THz wave generation at room temperature and 81 K. Infrared Physics and Technology, 2019, 97, 1-5.	1.3	25
4	Optical Properties of KTP Crystals and Their Potential for Terahertz Generation. Crystals, 2018, 8, 310.	1.0	24
5	A novel solid solution LiGa(Si ^x Se ^{1-x}) ₂ for generating coherent ultrafast mid-IR sources. Laser Physics Letters, 2018, 15, 065402.	0.6	1
6	Observation of a different birefringence order at optical and THz frequencies in LBO crystal. Optical Materials, 2017, 66, 94-97.	1.7	13
7	Optical properties of PbIn ₆ Te ₁₀ in the long-wave IR. Laser Physics Letters, 2016, 13, 125405.	0.6	4
8	Study of Ga ₂ S ₃ crystals grown from melt and PbCl ₂ flux. Materials Research Bulletin, 2016, 84, 462-467.	2.7	10
9	Comments on "Optical properties of borate crystals in the terahertz domain". Optics Communications, 2016, 365, 14-15.	1.0	4
10	Silicon carbide—a high-transparency nonlinear material for THz applications. Optics Express, 2016, 24, 2590.	1.7	43
11	Broadband two-stage frequency conversion of CO laser in AgGaSe ₂ crystal. Optics Letters, 2016, 41, 777.	1.7	19
12	Dispersion properties of sulfur doped gallium selenide crystals studied by THz TDS. Optics Express, 2015, 23, 32820.	1.7	9
13	Doped GaSe crystals for laser frequency conversion. Light: Science and Applications, 2015, 4, e362-e362.	7.7	75
14	Growth and optical properties of solid solution crystals GaSe _{1-x} S _x . Materials Chemistry and Physics, 2015, 154, 152-157.	2.0	34
15	Aspects for efficient wide spectral band THz generation via CO ₂ laser down conversion. Proceedings of SPIE, 2015, , .	0.8	0
16	Generating femtosecond pulses in the mid-IR and THz ranges in GaSe _{1-x} Te _x crystals. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 238-241.	0.1	3
17	LBO: optical properties and potential for THz application. Laser Physics Letters, 2015, 12, 115402.	0.6	14
18	Identification of textile fiber by IR and Raman spectroscopy. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
19	Absorption anisotropy in sulfur doped gallium selenide crystals studied by THz-TDS. Optical Materials Express, 2014, 4, 2451.	1.6	26
20	Solid solution GaSe$_{1-x}$S$_x$ crystals for THz applications. , 2014, , .		1
21	Optimal Doping of GaSe Crystals for Nonlinear Optics Applications. Russian Physics Journal, 2014, 56, 1250-1257.	0.2	5
22	GaSe:Er ³⁺ crystals for SHG in the infrared spectral range. Optics Communications, 2014, 318, 205-211.	1.0	24
23	Dispersion properties of GaS studied by THz-TDS. CrystEngComm, 2014, 16, 1995.	1.3	14
24	Characterization of optical quality of GaSe:Al crystals by exciton absorption peak parameters. Journal of Materials Science: Materials in Electronics, 2014, 25, 1757-1760.	1.1	8
25	Limiting pump intensity for sulfur-doped gallium selenide crystals. Laser Physics Letters, 2014, 11, 055401.	0.6	29
26	Simulation of thermo-optic coupling in the thermally anisotropic gallium selenide crystal for second harmonic generation. Laser Physics Letters, 2014, 11, 075402.	0.6	4
27	Impact of fs and ns pulses on indium and sulfur doped gallium selenide crystals. AIP Advances, 2014, 4, .	0.6	25
28	Intensive terahertz emission from GaSe _{0.91} S _{0.09} under collinear difference frequency generation. Applied Physics Letters, 2013, 103, .	1.5	31
29	Interaction of high intensity optical pulses with modified nonlinear GaSe crystals. , 2013, , .		4
30	GaSe damage threshold under IR pulse pumping. Proceedings of SPIE, 2013, , .	0.8	1
31	Terahertz time-domain characterization of various fabrics. , 2013, , .		0
32	Characterization of Bridgman grown GaSe:Al crystals. CrystEngComm, 2013, 15, 6323.	1.3	30
33	Optimal doping of GaSe with isovalent elements. Proceedings of SPIE, 2013, , .	0.8	5
34	Optical properties of non-linear crystal grown from the melt GaSe- ϵ -AgGaSe ₂ . Optics Communications, 2013, 287, 145-149.	1.0	12
35	Terahertz time-domain spectroscopy for textile identification. Applied Optics, 2013, 52, 4433.	0.9	23
36	Broadband carbon monoxide laser system operating in the wavelength range of 2.5 μ m - 8.3 μ m. Quantum Electronics, 2013, 43, 139-143.	0.3	50

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37	Investigation of modified GaSe crystal compositions for nonlinear THz applications. , 2013, , .		0
38	Cascaded carbon monoxide laser frequency conversion into the 43–49 μm range in a single ZnGeP ₂ crystal. Optics Letters, 2012, 37, 2838.	1.7	31
39	Optimal Te-doping in GaSe for non-linear applications. Optics Express, 2012, 20, 5029.	1.7	45
40	Comment on “GaSe _{1-x} S _x and GaSe _{1-x} Te _x thick crystals for broadband terahertz pulses generation” [Appl. Phys. Lett. 99, 081105 (2011)]. Applied Physics Letters, 2012, 100, .	1.5	8
41	Widely linear and non-phase-matched optical-to-terahertz conversion on GaSe:Te crystals. Optics Letters, 2012, 37, 945.	1.7	24
42	Tellurium and sulfur doped GaSe for mid-IR applications. Applied Physics B: Lasers and Optics, 2012, 108, 545-552.	1.1	71
43	CO laser frequency mixing in nonlinear crystals ZnGeP ₂ and GaSe. Guangxue Jingmi Gongcheng/Optics and Precision Engineering, 2012, 20, 277-286.	0.2	6
44	Dispersion properties of GaSe _{1-x} S _x in the terahertz range. Journal of Applied Spectroscopy, 2011, 77, 850-856.	0.3	16
45	Phase matching for the second harmonic generation in GaSe crystals. Russian Physics Journal, 2011, 53, 1235-1242.	0.2	2
46	Mode-locked CO laser frequency doubling in ZnGeP ₂ with 25% efficiency. Laser Physics Letters, 2011, 8, 723-728.	0.6	25
47	Growth of GaSe and GaS single crystals. Crystal Research and Technology, 2011, 46, 327-330.	0.6	45
48	AgGaS ₂ - and Al-doped GaSe Crystals for IR Applications. Optics Communications, 2011, 284, 1677-1681.	1.0	39
49	Structural characterization of pure and doped GaSe by nonlinear optical method. Journal of Crystal Growth, 2011, 318, 1164-1166.	0.7	22
50	Optical properties of GaSe _{1-x} S _x crystals in terahertz frequency range. Guangxue Jingmi Gongcheng/Optics and Precision Engineering, 2011, 19, 354-359.	0.2	10
51	Remote laser detection of natural gas leakages from pipelines. Quantum Electronics, 2010, 40, 173-177.	0.3	3
52	Physical properties of electrooptical GaSe:Al. , 2010, , .		0
53	CO laser frequency conversion in nonlinear crystals ZnGeP ₂ and GaSe. Proceedings of SPIE, 2010, , .	0.8	2
54	S-Doped GaSe for sub-microwave generation. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
55	Optical properties of nonlinear solid solution $\text{GaSe}_{1-x}\text{S}_x$ ($0 \leq x \leq 0.4$) crystals. Russian Physics Journal, 2008, 51, 1083-1089.	0.2	10
56	SHG phase matching in GaSe and mixed $\text{GaSe}_{1-x}\text{S}_x$, $x=0.412$, crystals at room temperature. Optics Express, 2008, 16, 9951.	1.7	54
57	SHG in doped GaSe:In crystals. Optics Express, 2008, 16, 9978.	1.7	103
58	Influence of composition ratio on the nonlinear optical properties of $\text{AgGa}_{1-x}\text{In}_x\text{Se}$ and $\text{Hg}_{1-x}\text{Cd}_x\text{Ga}$, 2007, . .	5	
59	Influence of composition ratio variation on optical frequency conversion in mixed crystals I Gradual variation of composition ratio. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2443.	0.9	14
60	Influence of composition ratio variations on optical frequency conversion in mixed crystals II Random variation of composition ratio. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 3081.	0.9	13
61	Model and experimental investigation of frequency conversion in $\text{AgGa}_x\text{S}_{2(1-x)}$ ($x=0, 1$) crystals. Journal Physics D: Applied Physics, 2007, 40, 1357-1362.	1.3	13
62	Sellmeier equations for green, yellow, and orange colored HgGa_2S_4 crystals. Applied Physics Letters, 2007, 90, 181913.	1.5	22
63	$\text{GaSe}_{1-x}\text{S}_x$ solid solutions. Russian Physics Journal, 2007, 50, 560-565.	0.2	3
64	Wide-tunable, high-energy AgGa_2S_4 optical parametric oscillator. Optics Express, 2006, 14, 13001.	1.7	27
65	Tunable middle infrared radiation with HgGa_2S_4 crystal. Optics Communications, 2006, 259, 868-872.	1.0	13
66	Growth, real structure and applications of $\text{GaSe}_{1-x}\text{S}_x$ crystals. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 128, 205-210.	1.7	59
67	Sellmeier equations for LiIn_2S_4 and LiInSe_2 . , 2006, , .		1
68	Doped GaSe nonlinear crystals. , 2006, , .		3
69	Linear optical properties of $\text{LiIn}_{1-x}\text{S}_x\text{Se}_2$ crystals and tuning of phase matching conditions. Solid State Sciences, 2005, 7, 1188-1193.	1.5	45
70	Acceptable composition-ratio variations of a mixed crystal for nonlinear laser device applications. Applied Optics, 2005, 44, 7644.	2.1	4
71	New mixed $\text{LiIn}_{1-x}\text{S}_x\text{Se}_x$ crystals for frequency conversion of IR lasers. , 2004, , .		