Grigory Lanskii

List of Publications by Year
in descending order

71	1,332	279487	377514
papers	citations	23 h-index	34 g-index

72	72	72	720
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SHG in doped GaSe:In crystals. Optics Express, 2008, 16, 9978.	1.7	103
2	Doped GaSe crystals for laser frequency conversion. Light: Science and Applications, 2015, 4, e362-e362.	7.7	75
3	Tellurium and sulfur doped GaSe for mid-IR applications. Applied Physics B: Lasers and Optics, 2012, 108, 545-552.	1.1	71
4	Growth, real structure and applications of GaSe1â^'xSx crystals. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 128, 205-210.	1.7	59
5	SHG phase matching in GaSe and mixed GaSe1_1-xS_x, x0.412, crystals at room temperature. Optics Express, 2008, 16, 9951.	1.7	54
6	Broadband carbon monoxide laser system operating in the wavelength range of 2.5 â€“ 8.3 Î¼m. Quantum Electronics, 2013, 43, 139-143.	0.3	50
7	Linear optical properties of LiIn(S1â€“xSex)2 crystals and tuning of phase matching conditions. Solid State Sciences, 2005, 7, 1188-1193.	1.5	45
8	Growth of GaSe and GaS single crystals. Crystal Research and Technology, 2011, 46, 327-330.	0.6	45
9	Optimal Te-doping in GaSe for non-linear applications. Optics Express, 2012, 20, 5029.	1.7	45
10	Silicon carbideâ€”a high-transparency nonlinear material for THz applications. Optics Express, 2016, 24, 2590.	1.7	43
11	AgGaS2- and Al-doped GaSe Crystals for IR Applications. Optics Communications, 2011, 284, 1677-1681.	1.0	39
12	Growth and optical properties of solid solution crystals GaSe1â^'xSx. Materials Chemistry and Physics, 2015, 154, 152-157.	2.0	34
13	Cascaded carbon monoxide laser frequency conversion into the 43â€“49ÂÎ¼m range in a single ZnGeP_2 crystal. Optics Letters, 2012, 37, 2838.	1.7	31
14	Intensive terahertz emission from GaSe0.91S0.09 under collinear difference frequency generation. Applied Physics Letters, 2013, 103, .	1.5	31
15	Characterization of Bridgman grown GaSe:Al crystals. CrystEngComm, 2013, 15, 6323.	1.3	30
16	Limiting pump intensity for sulfur-doped gallium selenide crystals. Laser Physics Letters, 2014, 11, 055401.	0.6	29
17	Wide-tunable, high-energy AgGaS2optical parametric oscillator. Optics Express, 2006, 14, 13001.	1.7	27
18	Absorption anisotropy in sulfur doped gallium selenide crystals studied by THz-TDS. Optical Materials Express, 2014, 4, 2451.	1.6	26

#	Article	IF	Citations
19	Mode-locked CO laser frequency doubling in ZnGeP2 with 25% efficiency. Laser Physics Letters, 2011, 8, 723-728.	0.6	25
20	Impact of fs and ns pulses on indium and sulfur doped gallium selenide crystals. AIP Advances, 2014, 4, .	0.6	25
21	Phase-matching in KTP crystal for THz wave generation at room temperature and 81â€K. Infrared Physics and Technology, 2019, 97, 1-5.	1.3	25
22	Widely linear and non-phase-matched optical-to-terahertz conversion on GaSe:Te crystals. Optics Letters, 2012, 37, 945.	1.7	24
23	GaSe:Er3+ crystals for SHG in the infrared spectral range. Optics Communications, 2014, 318, 205-211.	1.0	24
24	Optical Properties of KTP Crystals and Their Potential for Terahertz Generation. Crystals, 2018, 8, 310.	1.0	24
25	Terahertz time-domain spectroscopy for textile identification. Applied Optics, 2013, 52, 4433.	0.9	23
26	Sellmeier equations for green, yellow, and orange colored HgGa2S4 crystals. Applied Physics Letters, 2007, 90, 181913.	1.5	22
27	Structural characterization of pure and doped GaSe by nonlinear optical method. Journal of Crystal Growth, 2011, 318, 1164-1166.	0.7	22
28	Broadband two-stage frequency conversion of CO laser in AgGaSe_2 crystal. Optics Letters, 2016, 41, 777.	1.7	19
29	Dispersion properties of GaSe1-x S x in the terahertz range. Journal of Applied Spectroscopy, 2011, 77, 850-856.	0.3	16
30	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
31	Dispersion properties of GaS studied by THz-TDS. CrystEngComm, 2014, 16, 1995.	1.3	14
32	LBO: optical properties and potential for THz application. Laser Physics Letters, 2015, 12, 115402.	0.6	14
33	Tunable middle infrared radiation with HgGa2S4 crystal. Optics Communications, 2006, 259, 868-872.	1.0	13
34	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
35	Model and experimental investigation of frequency conversion in AgGaGexS2(1 +x)(x= 0, 1) crystals. Journal Physics D: Applied Physics, 2007, 40, 1357-1362.	1.3	13
36	Observation of a different birefringence order at optical and THz frequencies in LBO crystal. Optical Materials, 2017, 66, 94-97.	1.7	13

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37	Optical properties of non-linear crystal grown from the melt GaSeâ€“AgGaSe2. Optics Communications, 2013, 287, 145-149.	1.0	12
38	Giant non-linear susceptibility of hydrogenic donors in silicon and germanium. Light: Science and Applications, 2019, 8, 64.	7.7	11
39	Optical properties of nonlinear solid solution GaSe1-x S x (0â€‰<â€‰xâ€‰â‰â€‰0.4) crystals. Russian Physics Journal, 2008, 51, 1083-1089.	0.2	10
40	Study of Ga 2 S 3 crystals grown from melt and PbCl 2 flux. Materials Research Bulletin, 2016, 84, 462-467.	2.7	10
41	Optical properties of GaSeâ¶S crystals in terahertz frequency range. Guangxue Jingmi Gongcheng/Optics and Precision Engineering, 2011, 19, 354-359.	0.2	10
42	Dispersion properties of sulfur doped gallium selenide crystals studied by THz TDS. Optics Express, 2015, 23, 32820.	1.7	9
43	Comment on â€œGaSe1â^'xSx and GaSe1â^'xTex thick crystals for broadband terahertz pulses generationâ€•[Appl. Phys. Lett. 99, 081105 (2011)]. Applied Physics Letters, 2012, 100, .	1.5	8
44	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
45	CO laser frequency mixing in nonlinear crystals ZnGeP2and GaSe. Guangxue Jingmi Gongcheng/Optics and Precision Engineering, 2012, 20, 277-286.	0.2	6
46	<title>Influence of composition ratio on the nonlinear optical properties of AgGa<formula><inf><roman>1-x</roman></inf></formula>In<formula><inf><roman>x</roman></inf></formula>Se<formula><inf><ro and Hg<formula><inf><roman>1-x</roman></inf></formula>Cd<formula><inf><roman>x</roman></inf></formula>Ga<formula><inf><rom , 2007, , .		5
47	Optimal doping of GaSe with isovalent elements. Proceedings of SPIE, 2013, , .	0.8	5
48	Optimal Doping of GaSe Crystals for Nonlinear Optics Applications. Russian Physics Journal, 2014, 56, 1250-1257.	0.2	5
49	<title>New mixed LiIn(S<formula><inf><roman>1-x</roman></inf></formula>Se<formula><inf><roman>x</roman></inf></formula>)<formula><inf> crystals for frequency conversion of IR lasers</title>. , 2004, , .		4
50	Acceptable composition-ratio variations of a mixed crystal for nonlinear laser device applications. Applied Optics, 2005, 44, 7644.	2.1	4
51	Interaction of high intensity optical pulses with modified nonlinear GaSe crystals. , 2013, , .		4
52	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
53	Optical properties of PbIn₆Te₁₀ in the long-wave IR. Laser Physics Letters, 2016, 13, 125405.	0.6	4
54	Comments on â€œOptical properties of borate crystals in the terahertz domainâ€• Optics Communications, 2016, 365, 14-15.	1.0	4

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55	<title>Doped GaSe nonlinear crystals</title>. , 2006, , .		3
56	GaSe1â^'x S x solid solutions. Russian Physics Journal, 2007, 50, 560-565.	0.2	3
57	Remote laser detection of natural gas leakages from pipelines. Quantum Electronics, 2010, 40, 173-177.	0.3	3
58	Generating femtosecond pulses in the mid-IR and THz ranges in GaSe1 â^' x Te x crystals. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 238-241.	0.1	3
59	CO laser frequency conversion in nonlinear crystals ZnGeP 2 and GaSe. Proceedings of SPIE, 2010, , .	0.8	2
60	Phase matching for the second harmonic generation in GaSe crystals. Russian Physics Journal, 2011, 53, 1235-1242.	0.2	2
61	Identification of textile fiber by IR and Raman spectroscopy. , 2014, , .		2
62	Terahertz Birefringence and Dichroism of KTA Crystal. Crystals, 2020, 10, 730.	1.0	2
63	<title>Sellmeier equations for LiInS<formula><inf><roman>2</roman></inf></formula> and LiInSe<formula><inf><roman>2</roman></inf></formula></title>. , 2006, , .		1
64	S-Doped GaSe for sub-microwave generation. , 2010, , .		1
65	GaSe damage threshold under IR pulse pumping. Proceedings of SPIE, 2013, , .	0.8	1
66	Solid solution GaSe<inf>1−x</inf>S<inf>x</inf> crystals for THz applications. , 2014, , .		1
67	A novel solid solution LiGa(S1â€“x Se x)2 for generating coherent ultrafast mid-IR sources. Laser Physics Letters, 2018, 15, 065402.	0.6	1
68	Physical properties of electrooptical GaSe:Al. , 2010, , .		0
69	Terahertz time-domain characterization of various fabrics. , 2013, , .		0
70	Investigation of modified GaSe crystal compositions for nonlinear THz applications. , 2013, , .		0
71	Aspects for efficient wide spectral band THz generation via CO₂laser down conversion. Proceedings of SPIE, 2015, , .	0.8	0