Sergey Yu Sarkisov

List of Publications by Year
in descending order

49	597	623734	610901
papers	citations	14 h-index	24 g-index

49	49	49	419
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large single crystals of gallium selenide: growing, doping by In and characterization. Optical Materials, 2004, 26, 495-499.	3.6	63
2	Growth, real structure and applications of GaSe1â^'xSx crystals. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 128, 205-210.	3.5	59
3	Modified GaSe crystal as a parametric frequency converter. Applied Physics B: Lasers and Optics, 2006, 82, 43-46.	2.2	54
4	SHG phase matching in GaSe and mixed GaSe1_1-xS_x, x0.412, crystals at room temperature. Optics Express, 2008, 16, 9951.	3.4	54
5	GaSe1â^'xSx and GaSe1â^'xTex thick crystals for broadband terahertz pulses generation. Applied Physics Letters, 2011, 99, .	3.3	45
6	Milliwatt-level mid-infrared (105â€“165 Î¼m) difference frequency generation with a femtosecond dual-signal-wavelength optical parametric oscillator. Optics Letters, 2012, 37, 3513.	3.3	44
7	Growth and optical parameters of GaSe:Te crystals. Russian Physics Journal, 2010, 53, 346-352.	0.4	31
8	Charge neutrality level and electronic properties of GaSe under pressure. Semiconductors, 2010, 44, 1158-1166.	0.5	27
9	Structural, elastic and electronic properties of GaSe under biaxial and uniaxial compressive stress. Journal of Physics and Chemistry of Solids, 2013, 74, 1240-1248.	4.0	27
10	High-power femtosecond mid-IR sources for s-SNOM applications. Journal of Optics (United Kingdom), 2014, 16, 094003.	2.2	24
11	Growth, chromium distribution and electrical properties of GaSe:Cr single crystals. Materials Chemistry and Physics, 2014, 146, 12-17.	4.0	22
12	Terahertz dielectric properties of multiwalled carbon nanotube/polyethylene composites. Materials Research Express, 2017, 4, 106201.	1.6	21
13	Broadband and narrowband terahertz generation and detection in GaSe1â^'x S x crystals. Journal of Optics (United Kingdom), 2017, 19, 115503.	2.2	16
14	Compact 1.64 THz source based on a dual-wavelength diode end-pumped Nd:YLF laser with a nearly semiconfocal cavity. Laser Physics Letters, 2014, 11, 015004.	1.4	15
15	Effect of van der Waals interactions on the structural and binding properties of GaSe. Journal of Solid State Chemistry, 2015, 232, 67-72.	2.9	12
16	GaSe crystals with antireflection coatings for terahertz generation. Materials Research Express, 2019, 6, 126201.	1.6	11
17	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.	0.4	10
18	Photoluminescence and terahertz generation in InGaN/GaN multiple quantum well lightâ€emitting diode heterostructures under laser excitation. Physica Status Solidi (B): Basic Research, 2015, 252, 946-951.	1.5	8

#	Article	IF	Citations
19	Transition-metal doping of semiconducting chalcopyrites: half-metallicity and magnetism. Journal of Physics Condensed Matter, 2007, 19, 016210.	1.8	7
20	Dipole antennas based on SI-GaAs:Cr for generation and detection of terahertz radiation. Russian Physics Journal, 2013, 55, 890-898.	0.4	7
21	Ab initio calculations of optical constants of GaSe and InSe layered crystals. Physics of the Solid State, 2015, 57, 1735-1740.	0.6	7
22	Optical Pumpâ€“Terahertz Probe Study of HR GaAs:Cr and SI GaAs:EL2 Structures with Long Charge Carrier Lifetimes. Photonics, 2021, 8, 575.	2.0	6
23	Electronic properties and influence of doping on GaSe crystal nonlinear optical parameters for the applications in terahertz range. Proceedings of SPIE, 2010, , .	0.8	5
24	<title>Doped GaSe nonlinear crystals</title>. , 2006, , .		3
25	GaSe1â^'x S x solid solutions. Russian Physics Journal, 2007, 50, 560-565.	0.4	3
26	GaSe<inf>1−x</inf>S<inf>x</inf> and GaSe<inf>1−x</inf>Te <inf>x</inf> solid solutions for terahertz generation and detection. , 2009, , .		3
27	Efficient terahertz generation in GaSe via eee-interaction type. , 2011, , .		2
28	Response to â€œComment on â€˜GaSe1â^'xSx and GaSe1â^'xTex thick crystals for broadband terahertz pulses generationâ€™â€•[Appl. Phys. Lett. 100, 136103 (2012)]. Applied Physics Letters, 2012, 100, 136104.	3.3	2
29	Generation of Terahertz Radiation in LED Heterostructures with Multiple InGaN/GaN Quantum Wells at Two-Photon Excitation by Femtosecond. Russian Physics Journal, 2015, 58, 192-197.	0.4	2
30	Properties of Gallium Selenide Doped with Sulfur. Materials Research Society Symposia Proceedings, 2004, 829, 443.	0.1	1
31	Crystal structure and physical properties of GaSe single crystals annealed in sulfur atmosphere. Materials Research Society Symposia Proceedings, 2005, 891, 1.	0.1	1
32	GaSe<inf>1−x</inf>S<inf>x</inf> crystals for teraherz frequency range. , 2009, , .		1
33	Second harmonic oscillation produced by pumping GaSe and GaSe0.7S0.3 crystals with 10.6-Î¼m pulsed CO2 laser radiation. Russian Physics Journal, 2011, 53, 949-955.	0.4	1
34	Terahertz generation in GaSe0.71S0.29 and GaSe crystals via eee- and eoo-type optical rectification. , 2012, , .		1
35	Influence of Split-Ring Resonators on the Terahertz Transmission of a Planar Waveguide. Russian Physics Journal, 2015, 58, 562-566.	0.4	1
36	The visibility and stability of GaSe nanoflakes of about 50 layers on SiO₂/Si wafers. International Journal of Modern Physics B, 2021, 35, .	2.0	1

#	Article	IF	Citations
37	Properties of gallium selenide doped with sulfur from melt and from gas phase. , 0, , .		0
38	Structure, Defects, Mechanical and Optical Properties of Hexagonal Semiconductor GaSe1-XSxSingle Crystals at 0X0.4. , 2007, , .		0
39	Study of GaSe<inf>1−x</inf>S<inf>x</inf> properties for terahertz applications. , 2009, , .		0
40	Doped GaSe crystals for optical frequency conversion in infrared and terahertz spectral ranges. , 2010, , .		0
41	Dipole radiators and receivers of terahertz radiation detectors based on GaAs, doped with Cr. , 2011, , .		0
42	Electromagnetic properties of MWCNT/PE composites at different levels of THz peak power. , 2013, , .		0
43	Terahertz emission from InGaN/GaN multiple quantum well light-emitting diode heterostructures under two-photon excitation. , 2014, , .		0
44	THz waveguide with a spit ring resonators layer. , 2014, , .		0
45	Second Harmonic Generation of Self-Mode-Locked Ð¡Ðž2-Laser Radiation in GaSe and GaSeS Crystals. Russian Physics Journal, 2014, 56, 1267-1273.	0.4	0
46	A comparison of terahertz electro-optic sampling in ZnTe, ZnSe, GaP and GaSe<inf>1−x</inf>S<inf>x</inf> crystals. , 2015, , .		0
47	The optical properties of 9 MeV electron irradiated GaSe crystals. , 2015, , .		0
48	Terahertz dielectric properties of MWCNT/PE composites. , 2016, , .		0
49	Single-wall carbon nanotubes oriented by gas flow at synthesis by aerosol CVD method as terahertz polarizers. , 2016, , .		0