

Sergey Yu Sarkisov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4909917/publications.pdf>

Version: 2024-02-01

49
papers

597
citations

623734

14
h-index

610901

24
g-index

49
all docs

49
docs citations

49
times ranked

419
citing authors

#	ARTICLE	IF	CITATIONS
1	The visibility and stability of GaSe nanoflakes of about 50 layers on SiO ₂ /Si wafers. International Journal of Modern Physics B, 2021, 35, .	2.0	1
2	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
3	GaSe crystals with antireflection coatings for terahertz generation. Materials Research Express, 2019, 6, 126201.	1.6	11
4	Terahertz dielectric properties of multiwalled carbon nanotube/polyethylene composites. Materials Research Express, 2017, 4, 106201.	1.6	21
5	Broadband and narrowband terahertz generation and detection in GaSe1âˆ™x S x crystals. Journal of Optics (United Kingdom), 2017, 19, 115503.	2.2	16
6	Terahertz dielectric properties of MWCNT/PE composites. , 2016, , .		0
7	Single-wall carbon nanotubes oriented by gas flow at synthesis by aerosol CVD method as terahertz polarizers. , 2016, , .		0
8	A comparison of terahertz electro-optic sampling in ZnTe, ZnSe, GaP and GaSe<inf>1&#x2212;x</inf>S<inf>x</inf> crystals. , 2015, , .		0
9	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
10	Influence of Split-Ring Resonators on the Terahertz Transmission of a Planar Waveguide. Russian Physics Journal, 2015, 58, 562-566.	0.4	1
11	The optical properties of 9 MeV electron irradiated GaSe crystals. , 2015, , .		0
12	Ab initio calculations of optical constants of GaSe and InSe layered crystals. Physics of the Solid State, 2015, 57, 1735-1740.	0.6	7
13	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
14	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
15	Terahertz emission from InGaN/GaN multiple quantum well light-emitting diode heterostructures under two-photon excitation. , 2014, , .		0
16	THz waveguide with a spit ring resonators layer. , 2014, , .		0
17	Growth, chromium distribution and electrical properties of GaSe:Cr single crystals. Materials Chemistry and Physics, 2014, 146, 12-17.	4.0	22
18	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

#	ARTICLE	IF	CITATIONS
19	High-power femtosecond mid-IR sources for s-SNOM applications. Journal of Optics (United Kingdom), 2014, 16, 094003.	2.2	24
20	Second Harmonic Generation of Self-Mode-Locked DjDz^2 -Laser Radiation in GaSe and GaSeS Crystals. Russian Physics Journal, 2014, 56, 1267-1273.	0.4	0
21	Dipole antennas based on Si-GaAs:Cr for generation and detection of terahertz radiation. Russian Physics Journal, 2013, 55, 890-898.	0.4	7
22	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
23	Electromagnetic properties of MWCNT/PE composites at different levels of THz peak power. , 2013, , .		0
24	Milliwatt-level mid-infrared ($105\hat{\epsilon}^{\epsilon}165\hat{\epsilon}^{\epsilon}1/4\text{m}$) difference frequency generation with a femtosecond dual-signal-wavelength optical parametric oscillator. Optics Letters, 2012, 37, 3513.	3.3	44
25	Response to $\hat{\epsilon}^{\epsilon}$ Comment on $\hat{\epsilon}^{\epsilon}\text{GaSe1}\hat{\epsilon}^{\epsilon}\text{xSx}$ and $\text{GaSe1}\hat{\epsilon}^{\epsilon}\text{xTex}$ thick crystals for broadband terahertz pulses generation $\hat{\epsilon}^{\epsilon}$ TM $\hat{\epsilon}^{\epsilon}$ [Appl. Phys. Lett. 100, 136103 (2012)]. Applied Physics Letters, 2012, 100, 136104.	3.3	2
26	Terahertz generation in GaSe $0.71\text{S}0.29$ and GaSe crystals via eee- and eoo-type optical rectification. , 2012, , .		1
27	Dipole radiators and receivers of terahertz radiation detectors based on GaAs, doped with Cr. , 2011, , .		0
28	$\text{GaSe1}\hat{\epsilon}^{\epsilon}\text{xSx}$ and $\text{GaSe1}\hat{\epsilon}^{\epsilon}\text{xTex}$ thick crystals for broadband terahertz pulses generation. Applied Physics Letters, 2011, 99, .	3.3	45
29	Second harmonic oscillation produced by pumping GaSe and GaSe $0.7\text{S}0.3$ crystals with $10.6\hat{\epsilon}^{\epsilon}1/4\text{m}$ pulsed CO 2 laser radiation. Russian Physics Journal, 2011, 53, 949-955.	0.4	1
30	Efficient terahertz generation in GaSe via eee-interaction type. , 2011, , .		2
31	Charge neutrality level and electronic properties of GaSe under pressure. Semiconductors, 2010, 44, 1158-1166.	0.5	27
32	Growth and optical parameters of GaSe:Te crystals. Russian Physics Journal, 2010, 53, 346-352.	0.4	31
33	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
34	Doped GaSe crystals for optical frequency conversion in infrared and terahertz spectral ranges. , 2010, , .		0
35	$\text{GaSe}\hat{\epsilon}^{\epsilon}\text{Te}$ and $\text{GaSe}\hat{\epsilon}^{\epsilon}\text{S}$ and $\text{GaSe}\hat{\epsilon}^{\epsilon}\text{Te}$ solid solutions for terahertz generation and detection. , 2009, , .		3
36	Study of GaSe $1\hat{\epsilon}^{\epsilon}\text{S}$ properties for terahertz applications. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
37	GaSe and GaSe _{1-xSx} crystals for terahertz frequency range. , 2009, , .		1
38	Optical properties of nonlinear solid solution GaSe _{1-xSx} (0 ≤ x ≤ 0.4) crystals. Russian Physics Journal, 2008, 51, 1083-1089.	0.4	10
39	SHG phase matching in GaSe and mixed GaSe _{1-xSx} , x=0.412, crystals at room temperature. Optics Express, 2008, 16, 9951.	3.4	54
40	Structure, Defects, Mechanical and Optical Properties of Hexagonal Semiconductor GaSe _{1-xSx} Single Crystals at 0 ≤ x ≤ 0.4. , 2007, , .		0
41	Transition-metal doping of semiconducting chalcopyrites: half-metallicity and magnetism. Journal of Physics Condensed Matter, 2007, 19, 016210.	1.8	7
42	GaSe _{1-xSx} solid solutions. Russian Physics Journal, 2007, 50, 560-565.	0.4	3
43	Modified GaSe crystal as a parametric frequency converter. Applied Physics B: Lasers and Optics, 2006, 82, 43-46.	2.2	54
44	Growth, real structure and applications of GaSe _{1-xSx} crystals. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 128, 205-210.	3.5	59
45	<title>Doped GaSe nonlinear crystals</title>. , 2006, , .		3
46	Crystal structure and physical properties of GaSe single crystals annealed in sulfur atmosphere. Materials Research Society Symposia Proceedings, 2005, 891, 1.	0.1	1
47	Large single crystals of gallium selenide: growing, doping by In and characterization. Optical Materials, 2004, 26, 495-499.	3.6	63
48	Properties of Gallium Selenide Doped with Sulfur. Materials Research Society Symposia Proceedings, 2004, 829, 443.	0.1	1
49	Properties of gallium selenide doped with sulfur from melt and from gas phase. , 0, , .		0