Konstantin E Glukhov

List of Publications by Year
in descending order

40	270	1040056 9	1058476 14
papers	citations	h-index	g-index

45	45	45	274
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The first-principle study of substitutional impuritiesâ€™ effect on elastic properties of TlInS2 layered crystal. Low Temperature Physics, 2022, 48, 57-63.	0.6	0
2	Phonon spectra and phase transitions in van der Waals ferroics MMâ€™P₂X₆. Molecular Crystals and Liquid Crystals, 2022, 747, 14-22.	0.9	4
3	Theoretical and Experimental Studies of Electronic and Optical Properties of Layered TlIn(S_{0.75}Se_{0.25})₂ Ferroelectric Crystal. Integrated Ferroelectrics, 2021, 220, 18-29.	0.7	4
4	Layered GeP₂S₆, GeP₂Se₆, GeP₂Te₆, SnP₂S₆, SnP₂Se₆, and SnP₂Te₆ Polar Crystals with Semiconductorâ€“Metal Transitions Induced by Pressure or Chemical Composition. Integrated Ferroelectrics, 2021, 220, 90-99.	0.7	5
5	Nature of thermoelectric properties occurring in defected Sn₂P₂S₆chalcogenide crystals. CrystEngComm, 2020, 22, 2336-2349.	2.6	7
6	Electronic and vibrational properties of pure MnPS3 crystal: Theoretical and experimental investigation. Computational Materials Science, 2020, 177, 109592.	3.0	9
7	Raman study of a magnetic phase transition in the MnPS3 single crystal. Low Temperature Physics, 2019, 45, 1082-1091.	0.6	9
8	Layered ferrielectric crystals CuInP₂S(Se)₆: a study from the first principles. Phase Transitions, 2019, 92, 440-450.	1.3	14
9	Band structures and optical properties related to substitutional impurities in TlGaSe₂ layered crystals: first-principles study. Phase Transitions, 2019, 92, 451-460.	1.3	6
10	Thermal diffusivity and thermal conductivity in layered ferrielectric materials M¹⁺M³⁺P₂(S,Se)₆ (M¹⁺â€‰=â€‰Cu, Ag;) Tj ET Q q 0 0 0 rg BT /Overl	1.3	3
11	Cation role in the thermal properties of layered materials <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mrow><mml:mi>M</mml:mi></mml:mrow><mml:		

#	Article	IF	Citations
19	Electron-Deformational Phase Transitions in a TlGaSe₂Layered Crystal. Acta Physica Polonica A, 2016, 129, A-123-A-125.	0.5	3
20	Construction of the Adiabatic Potential of a Symmetric Molecule in the Vicinity of Charged Semiconductor Surface. Acta Physica Polonica A, 2016, 129, A-120-A-122.	0.5	0
21	Vibronic interaction in crystals with the Jahn-Teller centers in the elementary energy bands concept. Condensed Matter Physics, 2015, 18, 33705.	0.7	4
22	Peculiarities of Chemical Bonding in Crystals of the In-Se System. Acta Physica Polonica A, 2014, 126, 1146-1148.	0.5	3
23	Electron-Phonon Interaction as a Mechanism of Phase Transition in the CuInP₂S₆Crystal. Acta Physica Polonica A, 2014, 126, 1143-1145.	0.5	9
24	Chemical Bonding and Polarons in Sn2P2S(Se)6Ferroelectrics. Ferroelectrics, 2014, 462, 117-128.	0.6	6
25	Exact ground state for the four-electron problem in a 2D finite honeycomb lattice. Philosophical Magazine, 2014, 94, 2195-2223.	1.6	0
26	Electronic structure of low-pressure and high-pressure phases of silicon disulfide. Applied Physics A: Materials Science and Processing, 2014, 117, 1499-1514.	2.3	6
27	Optical properties and band structure of a layered Tl2S crystal. Physics of the Solid State, 2013, 55, 2317-2323.	0.6	4
28	Electron structure of the equilibrium and metastable phases in superionic Li2SiS3. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2013, 16, 48-54.	1.0	2
29	Ferroelectricity and Polarons in Sn₂P₂S₆Crystals. Ferroelectrics, 2012, 440, 31-41.	0.6	12
30	Electronic Structure and Phase Transition in Ferroelectic Sn2P2S6 Crystal. International Journal of Molecular Sciences, 2012, 13, 14356-14384.	4.1	41
31	Parameters of an Unique Condenson State in the Structure of the In4Se3Crystal. Acta Physica Polonica A, 2012, 122, 1115-1117.	0.5	2
32	Charge Transfer and Anharmonicity in Sn₂P₂S₆Ferroelectrics. Ferroelectrics, 2011, 414, 30-40.	0.6	16
33	Ferroelectric and Semiconducting Properties of Sn₂P₂S₆Crystals with Intrinsic Vacancies. Ferroelectrics, 2011, 418, 124-133.	0.6	21
34	XPS of Impurities Influence on Electronic Structure of Sn₂P₂S₆Ferroelectrics. Ferroelectrics, 2011, 418, 134-142.	0.6	5
35	Nonâ€standard anisotropy of the energy spectrum of a layered TlGaSe₂ crystal. Physica Status Solidi (B): Basic Research, 2011, 248, 1446-1452.	1.5	2
36	Gain Spectrum for the In4Se3Crystal with a Non-Standard Dispersion Law of Charge Carriers. Acta Physica Polonica A, 2011, 119, 720-722.	0.5	2

#	Article	IF	Citations
37	Elementary energy bands concept, band structure, and peculiarities of bonding in Î²-InSe crystal. Physica Status Solidi (B): Basic Research, 2010, 247, 318-324.	1.5	7
38	Elementary energy bands in the band structure of AIV, AIIIBV crystals and superlattices built upon them. Physica Status Solidi (B): Basic Research, 2007, 244, 1318-1336.	1.5	7
39	Energy states in short-period symmetrical and asymmetrical (GaAs)N/(AlAs)M superlattices: The effect of the boundary conditions. Semiconductors, 2004, 38, 410-418.	0.5	2
40	Covalent bridges - an induced modification of the conduction band in layered crystals. Physica Status Solidi (B): Basic Research, 2004, 241, 845-855.	1.5	0