

Anatolii Ao Fedorchuk

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Photoelectrical properties and the electronic structure of $Tl_{1-x}In_xSn_xSe_2$ ($x = 0, 0.1, 0.2, 0.25$) single crystalline alloys. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6965.	2.8	167
2	Linear, non-linear optical susceptibilities and the hyperpolarizability of the mixed crystals $Ag_{0.5}Pb_{1.75}Ge(S_{1-x}Se_x)_4$: experiment and theory. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18979.	2.8	150
3	Electronic structure of $Cu_2ZnGeSe_4$ single crystal: Ab initio FP-LAPW calculations and X-ray spectroscopy measurements. <i>Physica B: Condensed Matter</i> , 2015, 461, 75-84.	2.7	53
4	Influence of electron beam irradiation on nonlinear optical properties of Al doped ZnO thin films for optoelectronic device applications in the cw laser regime. <i>Optical Materials</i> , 2016, 62, 64-71.	3.6	49
5	Crystal growth, electron structure and photo induced optical changes in novel $Ag_xGa_xGe_{1-x}Se_2$ ($x=0.333, 0.250, 0.200, 0.167$) crystals. <i>Optical Materials</i> , 2012, 35, 65-73.	3.6	47
6	Electronic Structure of Quaternary Chalcogenide $Ag_2In_2Ge_6$ Single Crystals and the Influence of Replacing Ge by Si: Experimental X-Ray Photoelectron Spectroscopy and X-Ray Diffraction Studies and Theoretical Calculations. <i>Science of Advanced Materials</i> , 2013, 5, 316-327.	0.7	46
7	Electronic structure of non-centrosymmetric $AgCd_2GaS_4$ and $AgCd_2GaSe_4$ single crystals. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2012, 185, 559-566.	1.7	42
8	Single crystal growth and the electronic structure of orthorhombic Tl_3PbBr_5 : A novel material for non-linear optics. <i>Optical Materials</i> , 2013, 35, 1081-1089.	3.6	42
9	Second anion coordination for wurtzite and sphalerite chalcogenide derivatives as a tool for the description of anion sub-lattice. <i>Materials Chemistry and Physics</i> , 2013, 139, 92-99.	4.0	37
10	Optical Spectra and Band Structure of $Ag_xGa_xGe_{1-x}Se_2$ ($x = 0.333$). <i>Tij. ETQq0 0.0 rgBT /Ov</i> 15220-15231.	2.6	36
11	Single crystal growth and electronic structure of $TlPbI_3$. <i>Materials Chemistry and Physics</i> , 2016, 172, 165-172.	4.0	36
12	Single crystal preparation and properties of the $AgGaGeS_4$ - $AgGaGe_3Se_8$ solid solution. <i>Journal of Crystal Growth</i> , 2011, 318, 708-712.	1.5	34
13	The Ag_2S - ZnS - GeS_2 system: Phase diagram, glass-formation region and crystal structure of Ag_2ZnGeS_4 . <i>Journal of Alloys and Compounds</i> , 2010, 500, 26-29.	5.5	33
14	Third harmonic generation process in Al doped ZnO thin films. <i>Journal of Alloys and Compounds</i> , 2014, 584, 7-12.	5.5	33
15	Isothermal section of the Ag_2S - PbS - GeS_2 system at 300K and the crystal structure of Ag_2PbGeS_4 . <i>Journal of Alloys and Compounds</i> , 2011, 509, 4264-4267.	5.5	32
16	Synthesis and structural properties of $CuInGeS_4$. <i>Journal of Crystal Growth</i> , 2011, 324, 212-216.	1.5	31
17	Structural, photoinduced optical effects and third-order nonlinear optical studies on Mn doped and Mn-Al codoped ZnO thin films under continuous wave laser irradiation. <i>Laser Physics</i> , 2014, 24, 035404.	1.2	31
18	Crystal structure of the phases $Hg_5C_{III}X_8$ ($C_{III}=Ga, In; X=Se, Te$). <i>Journal of Alloys and Compounds</i> , 2010, 503, 40-43.	5.5	30

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19	IR operated novel $\text{Ag}_{0.98}\text{Cu}_{0.02}\text{GaGe}_3\text{Se}_8$ single crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 1354-1357.	4.0	29
20	Single crystal growth and the electronic structure of TlPb_2Br_5 . <i>Optical Materials</i> , 2013, 36, 251-258.	3.6	29
21	First-principles band-structure calculations and X-ray photoelectron spectroscopy studies of the electronic structure of TlPb_2Cl_5 . <i>Journal of Alloys and Compounds</i> , 2014, 582, 802-809.	5.5	29
22	Photoinduced Pockels effect in the Nd-doped ZnO oriented nanofilms. <i>Applied Physics B: Lasers and Optics</i> , 2013, 110, 419-423.	2.2	27
23	$\text{PbGa}_2\text{GeS}_6$ crystal as a novel nonlinear optical material: Band structure aspects. <i>Journal of Alloys and Compounds</i> , 2018, 740, 294-304.	5.5	27
24	Electronic structure and optical properties of Cs_2HgI_4 : Experimental study and band-structure DFT calculations. <i>Optical Materials</i> , 2015, 42, 351-360.	3.6	26
25	Temperature operated infrared nonlinear optical materials based on Tl_4HgI_6 . <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1187-1193.	2.2	25
26	X-ray spectroscopy study of the electronic structure of non-centrosymmetric $\text{Ag}_2\text{CdSnS}_4$ single crystal. <i>Optical Materials</i> , 2014, 36, 1396-1401.	3.6	25
27	ZnS/PVA nanocomposites for nonlinear optical applications. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 81, 281-289.	2.7	25
28	Electronic structure of $\text{Cu}_2\text{CdGeSe}_4$ single crystal as determined from X-ray spectroscopy data. <i>Materials Chemistry and Physics</i> , 2015, 160, 345-351.	4.0	24
29	Formation of intermediate solid solutions in the quaternary exchange system $\text{Cu}(\text{In,Ga})(\text{S,Se})_2\text{Cd}(\text{S,Se})$. <i>CrystEngComm</i> , 2013, 15, 4838.	2.6	22
30	Specific features of the electronic structure of a novel ternary Tl_3PbI_5 optoelectronic material. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12838.	2.8	21
31	Tl_4SnS_3 , Tl_4SnSe_3 and Tl_4SnTe_3 crystals as novel IR induced optoelectronic materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 3901-3905.	2.2	21
32	Effect of temperature on the structure and luminescence properties of $\text{Ag}_{0.05}\text{Ga}_{0.05}\text{Ge}_{0.95}\text{S}_2\text{-Er}_2\text{S}_3$ glasses. <i>Journal of Luminescence</i> , 2017, 181, 315-320.	3.1	21
33	X-ray photoelectron spectrum, X-ray diffraction data, and electronic structure of chalcogenide quaternary sulfide $\text{Ag}_2\text{In}_2\text{GeS}_6$: experiment and theory. <i>Journal of Materials Science</i> , 2013, 48, 1342-1350.	3.7	20
34	$\text{Tl}_{1-x}\text{In}_x\text{Sn}_x\text{Se}_2$ ($x=0, 0.1, 0.2, 0.25$) single-crystalline alloys as promising non-linear optical materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 3555-3563.	2.2	20
35	Ionicity and birefringence of LiNH_4SO_4 crystals: ab initio DFT study, X-ray spectroscopy measurements. <i>RSC Advances</i> , 2017, 7, 6889-6901.	3.6	20
36	Ab initio calculations of the electronic structure and specific optical features of LiNH_4SO_4 single crystals. <i>Physica B: Condensed Matter</i> , 2018, 528, 37-46.	2.7	20

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37	Photoconductivity and nonlinear optical features of novel $\text{Ag}_x\text{Ga}_{1-x}\text{Se}_2$ crystals. <i>Materials Research Bulletin</i> , 2017, 85, 74-79.	5.2	19
38	Two-photon absorption of $\text{Tl}_{1-x}\text{In}_x\text{Sn}_x\text{Se}_2$ ($x=0, 0.1, 0.2, 0.25$) single crystalline alloys and their nanocrystallites. <i>Optical Materials</i> , 2013, 35, 2514-2518.	3.6	17
39	Phase diagram of the quasi-binary system $\text{TlInSe}_2\text{-SnSe}_2$. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2693-2696.	5.5	16
40	Huge operation by energy gap of novel narrow band gap $\text{Tl}_{1-x}\text{B}_x\text{Se}_2$ ($B = \text{Si}, \text{Ge}$): DFT, x-ray emission and photoconductivity studies. <i>Materials Research Express</i> , 2016, 3, 025902.	1.6	16
41	First-principles analysis of physical properties anisotropy for the Ag_2SiS_3 chalcogenide semiconductor. <i>Journal of Alloys and Compounds</i> , 2020, 826, 154232.	5.5	16
42	Specific Features of Content Dependences for Energy Gap in $\text{In}_x\text{Tl}_{1-x}\text{I}$ Solid State Crystalline Alloys. <i>Acta Physica Polonica A</i> , 2018, 133, 68-75.	0.5	16
43	Physical properties of binary cerium gallides and ternary cerium-germanium gallides. <i>Journal of the Less Common Metals</i> , 1991, 167, 365-371.	0.8	15
44	Origin of electronic properties of PbGa_2Se_4 crystal: Experimental and theoretical investigations. <i>Journal of Alloys and Compounds</i> , 2015, 633, 415-423.	5.5	15
45	Growth, structure and optical properties of Tl_4HgBr_6 single crystals. <i>Physica B: Condensed Matter</i> , 2015, 479, 134-142.	2.7	15
46	Synthesis, structural, X-ray photoelectron spectroscopy (XPS) studies and IR induced anisotropy of Tl_4HgI_6 single crystals. <i>Materials Chemistry and Physics</i> , 2017, 187, 156-163.	4.0	15
47	Atomic Charges and Chemical Bonding in Y-Ga Compounds. <i>Crystals</i> , 2018, 8, 99.	2.2	15
48	CeNi ₃ -type ternary phases in the Rf-Ni-Ga systems ($R = \text{Y}, \text{Pr}, \text{Nd}, \text{Sm}, \text{Gd}, \text{Tb}, \text{Dy}, \text{Ho}, \text{Er}, \text{Tm}, \text{Yb}, \text{Lu}$). <i>Journal of Alloys and Compounds</i> , 1995, 219, 222-224.	5.5	14
49	Photo induced anisotropy in the $\text{AgGaGe}_3\text{Se}_8\text{:Cu}$ chalcogenide crystals. <i>Materials Letters</i> , 2013, 107, 218-220.	2.6	14
50	Single crystal growth, electronic structure and optical properties of Cs_2HgBr_4 . <i>Journal of Physics and Chemistry of Solids</i> , 2015, 85, 254-263.	4.0	14
51	Relationships among optical and structural characteristics of ABSO_4 crystals. <i>Optical Materials</i> , 2019, 95, 109221.	3.6	14
52	Physico-chemical interaction in the $\text{Tl}_2\text{Se-HgSe-DIVSe}_2$ systems ($\text{DIV} = \text{Si}, \text{Sn}$). <i>Materials Research Bulletin</i> , 2012, 47, 3830-3834.	5.2	13
53	Synthesis and spectral features of Ag_2SnS_3 crystals. <i>Materials Chemistry and Physics</i> , 2012, 135, 249-253.	4.0	12
54	Microcrystalline $\text{Bi}_2\text{ZnB}_2\text{O}_7$ -polymer composites with silver nanoparticles as materials for laser operated devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 2426-2434.	2.2	12

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55	Laser-induced piezoelectricity in AgGaGe ₃ Si ₆ Se ₈ chalcogenide single crystals. EPJ Applied Physics, 2015, 70, 30501.	0.7	12
56	Electronic structure and laser induced piezoelectricity of a new quaternary compound TlInGe ₃ S ₈ . Materials Chemistry and Physics, 2018, 204, 336-344.	4.0	12
57	Structure, refractive and electronic properties of K ₂ SO ₄ :Cu ²⁺ (3%) crystals. Current Applied Physics, 2021, 21, 80-88.	2.4	12
58	Structure and optical anisotropy of K _{1.75} (NH ₄) _{0.25} SO ₄ solid solution. Ukrainian Journal of Physical Optics, 2017, 18, 187.	13.0	12
59	Crystallochemical affinity and optical functions of ZrGa ₂ and ZrGa ₃ compounds. Journal of Alloys and Compounds, 2013, 546, 14-19.	5.5	11
60	Laser stimulated changes of the effective energy gap in chalcogenide CuInS ₂ photovoltaic films. Materials Science in Semiconductor Processing, 2015, 38, 184-187.	4.0	11
61	Novel AgGa _{0.95} In _{0.05} Ge ₃ Se ₈ crystalline alloys for light-operated piezoelectricity. Journal of Alloys and Compounds, 2016, 658, 408-413.	5.5	11
62	Significant photoinduced increment of reflectivity coefficient in LiNa ₅ Mo ₉ O ₃₀ . Current Applied Physics, 2017, 17, 1100-1107.	2.4	11
63	Laser stimulated piezo-optics of γ -irradiated (Ga ₅₅ In ₄₅) ₂ S ₃₀₀ and (Ga _{54.59} In _{44.66} Er _{0.75}) ₂ S ₃₀₀ single crystals. Journal of Alloys and Compounds, 2017, 722, 265-271.	5.5	11
64	Synthesis, structural, electronic and linear electro-optical features of new quaternary Ag ₂ Ga ₂ Si ₆ S ₆ compound. Journal of Solid State Chemistry, 2017, 246, 363-371.	2.9	11
65	TlSbP ₂ Se ₆ - a new layered single crystal: growth, structure and electronic properties. Journal of Alloys and Compounds, 2020, 848, 156485.	5.5	11
66	Phase relations in the NdGaSi system at 870 K. Journal of Alloys and Compounds, 2004, 367, 64-69.	5.5	10
67	Cubic structure types of rare-earth intermetallics and related compounds. Zeitschrift Fur Kristallographie - Crystalline Materials, 2006, 221, 482-492.	0.8	10
68	New compounds Cu ₂ MnTi ₃ S ₈ and Cu ₂ NiTi ₃ S ₈ with thiospinel structure. Materials Research Bulletin, 2007, 42, 143-148.	5.2	10
69	Crystal structure of the Ag ₂ Si ₃ compound. Journal of Alloys and Compounds, 2011, 509, 4372-4374.	5.5	10
70	The Cu ₂ FeTi ₃ S ₈ and Cu ₂ FeZr ₃ S ₈ compounds: Crystal structure and electroanalytical application. Materials Science and Engineering C, 2011, 31, 540-544.	7.3	10
71	Structural and optical properties of novel optoelectronic Tl _{1-x} In _{1-x} Si ₆ Se ₂ single crystals. Journal of Materials Science: Materials in Electronics, 2014, 25, 3226-3232.	2.2	10
72	Electronic structure and optical properties of Cs ₂ HgCl ₄ : DFT calculations and X-ray photoelectron spectroscopy measurements. Optical Materials, 2016, 60, 169-180.	3.6	10

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73	Tl ₁₀ Hg ₃ Cl ₁₆ : Single crystal growth, electronic structure and piezoelectric properties. Journal of Solid State Chemistry, 2016, 242, 193-198.	2.9	10
74	Electronic and optical features of the mixed crystals Ag _{0.5} Pb _{1.75} Ge(S _{1-x} Se _x) ₄ . Journal of Materials Chemistry C, 2013, 1, 4667.	5.5	9
75	̂ ² -BaTeMo ₂ O ₉ microcrystals as promising optically operated materials. Journal of Materials Science, 2013, 48, 5938-5945.	3.7	9
76	Optoelectronic features of novel infrared CuInS ₂ -ZnIn ₂ S ₄ crystalline alloys. Journal of Materials Science: Materials in Electronics, 2014, 25, 163-167.	2.2	9
77	Experimental and theoretical study of the electronic structure and optical spectral features of PbIn ₆ Te ₁₀ . RSC Advances, 2016, 6, 73107-73117.	3.6	9
78	Specific features of photoconductivity and photoinduced piezoelectricity in AgGaGe ₃ Se ₈ doped crystals. Optical Materials, 2017, 63, 197-206.	3.6	9
79	Spectral and conductivity features of novel ternary Tl _{1-x} In _{1-x} Sn _x S ₂ crystals. Crystal Research and Technology, 2013, 48, 464-475.	1.3	8
80	The system Ag ₂ Se-Ho ₂ Se ₃ in the 0-50 mol.% Ho ₂ Se ₃ range and the crystal structure of two polymorphic forms of AgHoSe ₂ . Materials Research Bulletin, 2007, 42, 1091-1098.	5.2	7
81	Phase equilibria in the quasi-ternary system Ag ₂ S-In ₂ S ₃ -CdS at 870K. Journal of Alloys and Compounds, 2009, 480, 360-364.	5.5	7
82	Band structure, density of states, and crystal chemistry of ZrGa ₂ and ZrGa ₃ single crystals. Journal of Alloys and Compounds, 2013, 556, 259-265.	5.5	7
83	Origin of anisotropy of the near band gap absorption in Tl ₄ HgBr ₆ single crystals. Journal of Materials Chemistry C, 2014, 2, 2779.	5.5	7
84	Multiferroic Eu doped BiFeO ₃ microparticle polymer composites as materials for laser induced gratings. Journal of Materials Science: Materials in Electronics, 2015, 26, 9949-9954.	2.2	7
85	Third order nonlinear optical features of Bi ₂ Fe ₄ O ₉ multiferroic near antiferromagnetic phase transitions. Journal of Alloys and Compounds, 2016, 684, 412-418.	5.5	7
86	The Tl ₂ S-PbS-SiS ₂ system and the crystal and electronic structure of quaternary chalcogenide Tl ₂ PbSiS ₄ . Materials Chemistry and Physics, 2017, 195, 132-142.	4.0	7
87	Highly anisotropic layered crystal AgBiP ₂ Se ₆ : Growth, electronic band-structure and optical properties. Materials Chemistry and Physics, 2022, 277, 125556.	4.0	7
88	Novel Derivatives of the Caln ₂ Type of Structure: Yb _{1+x} Mg _{1-x} Ga ₄ (0 ≤ x ≤ 0.058) and YLiGa ₄ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 2470-2478.	1.2	6
89	The crystal structure of a new ternary antimonide: TmCu _{4-x} Sb ₂ (x=1.065). Journal of Alloys and Compounds, 2005, 394, 156-159.	5.5	6
90	New representatives of the linear structure series containing empty Ga/Ge cubes in the Sm-Ga-Ge system. Journal of Solid State Chemistry, 2006, 179, 1323-1329.	2.9	6

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91	Bell-Like [Ga5] Clusters in Eu3Li5+xGa5-x (x = 0.15). European Journal of Inorganic Chemistry, 2011, 2011, 3904-3908.	2.0	6
92	Structural and optical features of novel Tl1-xIn1-xGexSe2 chalcogenide crystals. Optical Materials, 2014, 37, 614-620.	3.6	6
93	Experimental and theoretical investigation of the electronic structure and optical properties of TlHgCl3 single crystal. Optical Materials, 2015, 47, 445-452.	3.6	6
94	Growth of AgGaGe3-xSnxSe8 single crystals with light-operated piezoelectricity. Materials Letters, 2015, 161, 705-707.	2.6	6
95	Synthesis, electronic structure and optical properties of PbBr 1.2 I 0.8. Journal of Electron Spectroscopy and Related Phenomena, 2017, 218, 13-20.	1.7	6
96	Photo-induced anisotropy in ZnO/PVA nanocomposites prepared by modified electrochemical method in PMA matrix. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 86, 184-189.	2.7	6
97	Photoinduced piezooptics effect in TeO2-Ga2O3 glasses. Solid State Sciences, 2015, 46, 56-61.	3.2	5
98	The influence of replacing Se by Te on electronic structure and optical properties of Tl4PbX3 (X = Se or Te). Journal of Electron Spectroscopy and Related Phenomena, 2017, 218, 13-20.	3.6	5
99	Optically stimulated IR non-linear optical effects in the Tl3PbCl5 nanocrystallites. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 65, 130-134.	2.7	5
100	A Novel Effect of CO2 Laser Induced Piezoelectricity in Ag2Ga2Si6 Chalcogenide Crystals. Crystals, 2016, 6, 107.	2.2	5
101	Impact of anionic system modification on the desired properties for CuGa(S1-xSe)x solid solutions. Computational Materials Science, 2021, 196, 110553.	3.0	5
102	The crystal structure of the new ternary antimonide Dy3Cu20+xSb11-x (x=0.2). Journal of Solid State Chemistry, 2005, 178, 1874-1879.	2.9	4
103	Crystal structure and magnetism of the Fe6Ga6-xSi1+x (where x=0.05) compound. Solid State Sciences, 2011, 13, 1755-1759.	3.2	4
104	Crystal structure of the Fe6-xGayGe5-y (x=0.5, y=1.3) ternary compound. Solid State Sciences, 2012, 14, 426-429.	3.2	4
105	Laser stimulated kinetics effects on the phase transition of the ferromagnetic/superconducting MgB2/(CrO2) bilayer thin films. Journal of Alloys and Compounds, 2014, 594, 60-64.	5.5	4
106	Role of polytypism and degree of hexagonality on the photoinduced optical second harmonic generation in SiC nanocrystalline films. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 69, 378-383.	2.7	4
107	PbGa6Te10 crystals for IR laser operated piezoelectricity. Materials Research Bulletin, 2018, 100, 131-137.	5.2	4
108	Crystal Structure and Chemical Bonding in Gallides of Rare-Earth Metals. Fundamental Theories of Physics, 2018, , 81-143.	0.3	4

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109	YAl ₃ (BO ₃) ₄ :TM (TM = Mn, Co, Cr) nanocrystals synthesis for laser operated nonlinear optics. Journal of Materials Science: Materials in Electronics, 2013, 24, 1485-1489.	2.2	3
110	IR operation by third harmonic generation of Tl ₄ PbTe ₃ and Tl ₄ SnS ₃ single crystals. Journal of Materials Science: Materials in Electronics, 2013, 24, 2410-2413.	2.2	3
111	Role of MgB ₂ /Cr ₂ O ₃ nano-interfaces in photoinduced nonlinear optical treatment of the MgB ₂ superconducting films. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 63, 180-185.	2.7	3
112	Photoinduced Optical Properties Of Tl _{1-x} In _{1-x} Sn ₆ Se ₂ Single Crystals. Archives of Metallurgy and Materials, 2015, 60, 1051-1055.	0.6	3
113	Laser operated piezoelectricity in Ag _{0.5} Pb _{1.75} GeS ₄ and Ag _{0.5} Pb _{1.75} GeS ₃ Se crystals. Journal of Materials Science: Materials in Electronics, 2016, 27, 9589-9592.	2.2	3
114	Giant increase of optical transparency for Zn-rich Ca _x Zn _{1-x} O on Al ₂ O ₃ (0001) grown by pulsed laser deposition. Optical Materials, 2016, 52, 1-5.	3.6	3
115	Crystal structure of R ₃ Si _{1.75} Se ₇ (R = 1.5 Å + 1.5 La). Journal of Alloys and Compounds, 2018, 765, 731-735.	5.5	3
116	Partial Sn-atom ordering in Sm ₃ Ga _{0.80} Sn _{4.20} . Acta Crystallographica Section C: Crystal Structure Communications, 2003, 59, i125-i127.	0.4	2
117	AgCrTiS ₄ : Synthesis, Properties, and Analytical Application. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2008, 39, 155-159.	2.1	2
118	Crystal structure of LuCu _{4-x} Sb ₂ (x=1.053). Journal of Alloys and Compounds, 2008, 462, 109-112.	5.5	2
119	TbGa _{2.64(4)} Sn _{0.36(4)} – A new close-packed structure type. Journal of Alloys and Compounds, 2012, 541, 23-28.	5.5	2
120	Optically induced anisotropy and electrooptics in ferroic organic nanocomposites. Optical and Quantum Electronics, 2013, 45, 1115-1124.	3.3	2
121	Optoelectronic operation in ferroic [NH ₂ (C ₂ H ₅) ₂] ₂ Cu _x Co _{1-x} Cl ₄ nanocomposites. Journal of Materials Science: Materials in Electronics, 2013, 24, 4137-4141.	2.2	2
122	IR laser induced spectra in novel crystals CdTe/CuInTe ₂ . Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 446-450.	3.9	2
123	The crystal structure of novel silver sulphogermanate Ag ₁₀ Ge ₃ S ₁₁ . Journal of Alloys and Compounds, 2013, 576, 134-139.	5.5	2
124	Stabilization of an FeSi-type modification of the ternary NiGa _{0.82} Si _{0.18} , NiGa _{0.84} Ge _{0.16} and NiAl _{0.46} Si _{0.54} phases. Solid State Sciences, 2014, 29, 6-11.	3.2	2
125	Band Structure Simulations of the Photoinduced Changes in the MgB ₂ :Cr Films. Nanomaterials, 2015, 5, 541-553.	4.1	2
126	UV laser induced second order optical effects in the Tl ₄ PbTe ₃ , Tl ₄ SnSe ₃ and Tl ₄ PbSe ₃ single crystals. Optical and Quantum Electronics, 2015, 47, 185-192.	3.3	2

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127	Phase diagrams of novel Ti_4SnSe_4 – TiSbSe_2 – Ti_2SnSe_3 quasi-ternary system following DTA and X-ray diffraction. <i>Journal of Alloys and Compounds</i> , 2016, 671, 109-113.	5.5	2
128	Preparation, electronic structure and piezooptical properties of solid solutions Ti_3PbBr_5 . <i>Materials Chemistry and Physics</i> , 2019, 227, 255-264.	4.0	2
129	Crystal structures of europium magnesium gallium, $\text{EuMg}_x\text{Ga}_{4-x}$, and europium lithium gallium, $\text{EuLi}_x\text{Ga}_{4-x}$ ($x = 0.5$). <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2005, 220, 337-338.	0.3	2
130	Crystal structure of the new quaternary copper manganese and zirconium chalcogenides. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 1288-1295.	1.5	1
131	Ternary Cr – Ga – Si system at 870 K. <i>Materials Science</i> , 2011, 46, 486-492.	0.9	1
132	Influence of different exchange correlation potentials on band structure and optical constant calculations of ZrGa_2 and ZrGe_2 single crystals. <i>Computational Materials Science</i> , 2013, 78, 134-139.	3.0	1
133	Photoinduced enhancement of optical second harmonic generation in LiB_3O_5 nanocrystallites embedded between the Ag/ITO electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4204-4208.	2.2	1
134	Laser stimulated piezoelectricity in Er^{3+} doped GeO_2 – Bi_2O_3 glasses containing silicon nanocrystals. <i>Optical Materials</i> , 2014, 38, 28-32.	3.6	1
135	Crystal structures and magnetism of $\text{DyAl}_x\text{Ga}_{3-x}$ (where $x = 0.33$ and $x = 0.85$). <i>Solid State Sciences</i> , 2014, 34, 63-68.	3.2	1
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