

Anatolii Ao Fedorchuk

List of Publications by Year in descending order

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151
papers

2,112
citations

236925

25
h-index

330143

37
g-index

156
all docs

156
docs citations

156
times ranked

1456
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly anisotropic layered crystal AgBiP2Se6: Growth, electronic band-structure and optical properties. Materials Chemistry and Physics, 2022, 277, 125556.	4.0	7
2	Structure, refractive and electronic properties of K2SO4:Cu2+ (3%) crystals. Current Applied Physics, 2021, 21, 80-88.	2.4	12
3	PHASE FORMATION BASED ON TlInP2Se6 COMPOUND. Scientific Bulletin of the Uzhhorod University Series «Chemistry», 2021, 45, .	0.1	0
4	Impact of anionic system modification on the desired properties for CuGa(S1âˆ’Se)2 solid solutions. Computational Materials Science, 2021, 196, 110553.	3.0	5
5	TlSbP2Se6 - a new layered single crystal: growth, structure and electronic properties. Journal of Alloys and Compounds, 2020, 848, 156485.	5.5	11
6	First-principles analysis of physical properties anisotropy for the Ag2SiS3 chalcogenide semiconductor. Journal of Alloys and Compounds, 2020, 826, 154232.	5.5	16
7	Relationships among optical and structural characteristics of ABSO4 crystals. Optical Materials, 2019, 95, 109221.	3.6	14
8	Preparation, electronic structure and piezooptical properties of solid solutions Tl3PbBr5â€“l. Materials Chemistry and Physics, 2019, 227, 255-264.	4.0	2
9	Tl2Seâ€“TlInSe2â€“Tl4P2Se6 QUASITERNARY SYSTEM. Ukrainian Chemical Journal, 2019, 85, 101-110.	0.3	0
10	Phase Equilibria in the System Tl9SbSe6â€“TlSbSe2â€“Tl4SnSe4. Russian Journal of Inorganic Chemistry, 2018, 63, 104-110.	1.3	1
11	Physicochemical Interaction in the TlInSe2â€“TlInP2Se6 System. Russian Journal of Inorganic Chemistry, 2018, 63, 537-542.	1.3	0
12	PbGa2GeS6 crystal as a novel nonlinear optical material: Band structure aspects. Journal of Alloys and Compounds, 2018, 740, 294-304.	5.5	27
13	Crystal structure of R3Si1.75Se7 (R â€“ 1.5 Yâˆ+ 1.5 La). Journal of Alloys and Compounds, 2018, 765, 731-735.	5.5	3
14	Ab initio calculations of the electronic structure and specific optical features of Î²-LiNH4SO4 single crystals. Physica B: Condensed Matter, 2018, 528, 37-46.	2.7	20
15	Electronic structure and laser induced piezoelectricity of a new quaternary compound TlInGe3S8. Materials Chemistry and Physics, 2018, 204, 336-344.	4.0	12
16	Formation of surface nanolayers in chalcogenide crystals using coherent laser beams. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 97, 302-307.	2.7	1
17	PbGa6Te10 crystals for IR laser operated piezoelectricity. Materials Research Bulletin, 2018, 100, 131-137.	5.2	4
18	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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19	Atomic Charges and Chemical Bonding in Y-Ga Compounds. <i>Crystals</i> , 2018, 8, 99.	2.2	15
20	Specific Features of Content Dependences for Energy Gap in $\text{In}_{1-x}\text{Tl}_x$ Solid State Crystalline Alloys. <i>Acta Physica Polonica A</i> , 2018, 133, 68-75.	0.5	16
21	Specific features of photoconductivity and photoinduced piezoelectricity in $\text{AgGaGe}_3\text{Se}_8$ doped crystals. <i>Optical Materials</i> , 2017, 63, 197-206.	3.6	9
22	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
23	Significant photoinduced increment of reflectivity coefficient in $\text{LiNa}_5\text{Mo}_9\text{O}_{30}$. <i>Current Applied Physics</i> , 2017, 17, 1100-1107.	2.4	11
24	The $\text{Tl}_2\text{S}-\text{PbS}-\text{SiS}_2$ system and the crystal and electronic structure of quaternary chalcogenide $\text{Tl}_2\text{PbSiS}_4$. <i>Materials Chemistry and Physics</i> , 2017, 195, 132-142.	4.0	7
25	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
26	Laser stimulated piezo-optics of β -irradiated $(\text{Ga}_{55}\text{In}_{45})_2\text{S}_3\text{O}_0$ and $(\text{Ga}_{54.59}\text{In}_{44.66}\text{Er}_{0.75})_2\text{S}_3\text{O}_0$ single crystals. <i>Journal of Alloys and Compounds</i> , 2017, 722, 265-271.	5.5	11
27	Synthesis, electronic structure and optical properties of $\text{PbBr}_{1.2}\text{I}_{0.8}$. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2017, 218, 13-20.	1.7	6
28	Synthesis, structural, electronic and linear electro-optical features of new quaternary $\text{Ag}_2\text{Ga}_2\text{SiS}_6$ compound. <i>Journal of Solid State Chemistry</i> , 2017, 246, 363-371.	2.9	11
29	Photoconductivity relaxation processes in $\text{AgCd}_2\text{GaS}_4$ single crystals. <i>Materials Chemistry and Physics</i> , 2017, 200, 250-256.	4.0	1
30	UV-induced acoustooptics of matrices containing $\text{BaHf}(\text{BO}_3)_2$ microcrystallites embedded into olygoetheracrylate photopolymer. <i>Materials Chemistry and Physics</i> , 2017, 187, 11-17.	4.0	0
31	Photo-induced anisotropy in ZnO/PVA nanocomposites prepared by modified electrochemical method in PMA matrix. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 86, 184-189.	2.7	6
32	Photoconductivity and nonlinear optical features of novel $\text{Ag}_x\text{Ga}_x\text{Ge}_{1-x}\text{Se}_2$ crystals. <i>Materials Research Bulletin</i> , 2017, 85, 74-79.	5.2	19
33	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
34	Structure and optical anisotropy of $\text{K}_{1.75}(\text{NH}_4)_{0.25}\text{SO}_4$ solid solution. <i>Ukrainian Journal of Physical Optics</i> , 2017, 18, 187.	13.0	12
35	Investigations of the $\text{TlInP}_2\text{Se}_6-\text{In}_4(\text{P}_2\text{Se}_6)_3$ System and its Optical Properties. <i>Hungarian Journal of Industrial Chemistry</i> , 2017, 45, 13-18.	0.3	1
36	A Novel Effect of CO_2 Laser Induced Piezoelectricity in $\text{Ag}_2\text{Ga}_2\text{SiS}_6$ Chalcogenide Crystals. <i>Crystals</i> , 2016, 6, 107.	2.2	5

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37	ZnS/PVA nanocomposites for nonlinear optical applications. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 81, 281-289.	2.7	25
38	Third order nonlinear optical features of Bi ₂ Fe ₄ O ₉ multiferroic near antiferromagnetic phase transitions. <i>Journal of Alloys and Compounds</i> , 2016, 684, 412-418.	5.5	7
39	Laser operated piezoelectricity in Ag _{0.5} Pb _{1.75} GeS ₄ and Ag _{0.5} Pb _{1.75} GeS ₃ Se crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9589-9592.	2.2	3
40	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
41	Electronic structure and optical properties of Cs ₂ HgCl ₄ : DFT calculations and X-ray photoelectron spectroscopy measurements. <i>Optical Materials</i> , 2016, 60, 169-180.	3.6	10
42	Tl ₁₀ Hg ₃ Cl ₁₆ : Single crystal growth, electronic structure and piezoelectric properties. <i>Journal of Solid State Chemistry</i> , 2016, 242, 193-198.	2.9	10
43	Experimental and theoretical study of the electronic structure and optical spectral features of PbIn ₆ Te ₁₀ . <i>RSC Advances</i> , 2016, 6, 73107-73117.	3.6	9
44	Novel AgGa _{0.95} In _{0.05} Ge ₃ Se ₈ crystalline alloys for light-operated piezoelectricity. <i>Journal of Alloys and Compounds</i> , 2016, 658, 408-413.	5.5	11
45	Phase diagrams of novel Tl ₄ SnSe ₄ –TlSbSe ₂ –Tl ₂ SnSe ₃ quasi-ternary system following DTA and X-ray diffraction. <i>Journal of Alloys and Compounds</i> , 2016, 671, 109-113.	5.5	2
46	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. <i>Optical Materials</i> , 2016, 52, 1-5.	3.6	3
47	Huge operation by energy gap of novel narrow band gap Tl _{1-x} In _x Se ₂ (B = Si, Ge): DFT, x-ray emission and photoconductivity studies. <i>Materials Research Express</i> , 2016, 3, 025902.	1.6	16
48	Single crystal growth and electronic structure of TlPbI ₃ . <i>Materials Chemistry and Physics</i> , 2016, 172, 165-172.	4.0	36
49	Tl ₄ SnS ₃ , Tl ₄ SnSe ₃ and Tl ₄ SnTe ₃ crystals as novel IR induced optoelectronic materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 3901-3905.	2.2	21
50	Laser-induced piezoelectricity in AgGaGe _{3-x} Si _x Se ₈ chalcogenide single crystals. <i>EPJ Applied Physics</i> , 2015, 70, 30501.	0.7	12
51	Band Structure Simulations of the Photoinduced Changes in the MgB ₂ :Cr Films. <i>Nanomaterials</i> , 2015, 5, 541-553.	4.1	2
52	Single crystal growth, electronic structure and optical properties of Cs ₂ HgBr ₄ . <i>Journal of Physics and Chemistry of Solids</i> , 2015, 85, 254-263.	4.0	14
53	Photoinduced piezooptics effect in TeO ₂ –Ga ₂ O ₃ glasses. <i>Solid State Sciences</i> , 2015, 46, 56-61.	3.2	5
54	Second-order susceptibility spectra for $\hat{\Gamma}$ -BiB ₃ O ₆ polymer nanocomposites deposited on the chalcogenide crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 146, 187-191.	3.9	1

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55	The influence of replacing Se by Te on electronic structure and optical properties of Tl_4PbX_3 (X = Se or Tl) single crystals. <i>Optical Materials</i> , 2015, 42, 184-187.	3.6	11
56	Laser stimulated changes of the effective energy gap in chalcogenide $CuInS_2$ photovoltaic films. <i>Materials Science in Semiconductor Processing</i> , 2015, 38, 184-187.	4.0	11
57	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
58	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
59	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
60	Experimental and theoretical investigation of the electronic structure and optical properties of $TlHgCl_3$ single crystal. <i>Optical Materials</i> , 2015, 47, 445-452.	3.6	6
61	Laser operated optical features in \hat{I}^2 - $BaTeMo_2O_9:Cr^{3+}$ nanocrystallites. <i>Journal of Alloys and Compounds</i> , 2015, 649, 327-331.	5.5	0
62	Role of polytypism and degree of hexagonality on the photoinduced optical second harmonic generation in SiC nanocrystalline films. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 69, 378-383.	2.7	4
63	Laser operation by photovoltaic features of kesterite Cu_2ZnSnS_4 crystalline films. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 5259-5262.	2.2	1
64	Electronic structure of $Cu_2CdGeSe_4$ single crystal as determined from X-ray spectroscopy data. <i>Materials Chemistry and Physics</i> , 2015, 160, 345-351.	4.0	24
65	Photoinduced Optical Properties Of $Tl_1-xIn_xSn_xSe_2$ Single Crystals. <i>Archives of Metallurgy and Materials</i> , 2015, 60, 1051-1055.	0.6	3
66	Growth, structure and optical properties of Tl_4HgBr_6 single crystals. <i>Physica B: Condensed Matter</i> , 2015, 479, 134-142.	2.7	15
67	Growth of $AgGaGe_3-xSn_xSe_8$ single crystals with light-operated piezoelectricity. <i>Materials Letters</i> , 2015, 161, 705-707.	2.6	6
68	Multiferroic Eu doped $BiFeO_3$ microparticle polymer composites as materials for laser induced gratings. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 9949-9954.	2.2	7
69	UV laser induced second order optical effects in the Tl_4PbTe_3 , Tl_4SnSe_3 and Tl_4PbSe_3 single crystals. <i>Optical and Quantum Electronics</i> , 2015, 47, 185-192.	3.3	2
70	Optically stimulated IR non-linear optical effects in the Tl_3PbCl_5 nanocrystallites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 65, 130-134.	2.7	5
71	Specific features of photoinduced absorption and second harmonic generation of ferroic organic nanocomposites $C_3H_7NH_2$ doped $MnCl_4$. <i>Optical and Quantum Electronics</i> , 2015, 47, 743-753.	3.3	1
72	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

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73	First-principles band-structure calculations and X-ray photoelectron spectroscopy studies of the electronic structure of TlPb ₂ Cl ₅ . <i>Journal of Alloys and Compounds</i> , 2014, 582, 802-809.	5.5	29
74	Structural, photoinduced optical effects and third-order nonlinear optical studies on Mn doped and Mn ²⁺ -Al codoped ZnO thin films under continuous wave laser irradiation. <i>Laser Physics</i> , 2014, 24, 035404.	1.2	31
75	Light operated electrooptical materials based on the [(C ₂ H ₅) ₃ NH] ₂ CuCl ₄ /polymer nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 1460-1465.	2.2	0
76	X-ray spectroscopy study of the electronic structure of non-centrosymmetric Ag ₂ CdSnS ₄ single crystal. <i>Optical Materials</i> , 2014, 36, 1396-1401.	3.6	25
77	Specific features of the electronic structure of a novel ternary Tl ₃ Pb ₅ optoelectronic material. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12838.	2.8	21
78	Third harmonic generation process in Al doped ZnO thin films. <i>Journal of Alloys and Compounds</i> , 2014, 584, 7-12.	5.5	33
79	Origin of anisotropy of the near band gap absorption in Tl ₄ HgBr ₆ single crystals. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2779.	5.5	7
80	Optoelectronic features of novel infrared CuInS ₂ -ZnIn ₂ S ₄ crystalline alloys. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 163-167.	2.2	9
81	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. <i>Solid State Sciences</i> , 2014, 29, 6-11.	3.2	2
82	Structural and optical features of novel Tl _{1-x} In _{1-x} GexSe ₂ chalcogenide crystals. <i>Optical Materials</i> , 2014, 37, 614-620.	3.6	6
83	Microcrystalline Bi ₂ ZnB ₂ 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
84	Laser stimulated kinetics effects on the phase transition of the ferromagnetic/superconducting MgB ₂ /CrO ₂ bilayer thin films. <i>Journal of Alloys and Compounds</i> , 2014, 594, 60-64.	5.5	4
85	Structural and optical properties of novel optoelectronic Tl _{1-x} In _{1-x} SixSe ₂ single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3226-3232.	2.2	10
86	Crystal structures and magnetism of DyAl _x Ga _{3-3x} (where x=0.33 and x=0.85). <i>Solid State Sciences</i> , 2014, 34, 63-68.	3.2	1
87	Role of MgB ₂ /Cr ₂ O ₃ nano-interfaces in photoinduced nonlinear optical treatment of the MgB ₂ superconducting films. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 63, 180-185.	2.7	3
88	Optically induced anisotropy and electrooptics in ferroic organic nanocomposites. <i>Optical and Quantum Electronics</i> , 2013, 45, 1115-1124.	3.3	2
89	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
90	Photoinduced enhancement of optical second harmonic generation in LiB ₃ O ₅ nanocrystallites embedded between the Ag/ITO electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4204-4208.	2.2	1

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91	Optoelectronic operation in ferroic $[\text{NH}_2(\text{C}_2\text{H}_5)_2]_2\text{Cu}_x\text{Co}_{1-x}\text{Cl}_4$ nanocomposites. Journal of Materials Science: Materials in Electronics, 2013, 24, 4137-4141.	2.2	2
92	$\text{YAl}_3(\text{BO}_3)_4:\text{TM}$ (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
93	Electronic and optical features of the mixed crystals $\text{Ag}_{0.5}\text{Pb}_{1.75}\text{Ge}(\text{S}_{1-x}\text{Se}_x)_4$. Journal of Materials Chemistry C, 2013, 1, 4667.	5.5	9
94	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. Optical Materials, 2013, 35, 2514-2518.	3.6	17
95	Optical Spectra and Band Structure of $\text{Ag}_x\text{Ga}_x\text{Ge}_{1-x}\text{Se}_2$ ($x = 0.333$), $T_{\text{E}} = 1.078431$, $T_{\text{I}} = 1.15220$ -1.5231.	2.6	36
96	Single crystal growth and the electronic structure of TlPb_2Br_5 . Optical Materials, 2013, 36, 251-258.	3.6	29
97	Linear, non-linear optical susceptibilities and the hyperpolarizability of the mixed crystals $\text{Ag}_{0.5}\text{Pb}_{1.75}\text{Ge}(\text{S}_{1-x}\text{Se}_x)_4$: experiment and theory. Physical Chemistry Chemical Physics, 2013, 15, 18979.	2.8	150
98	Formation of intermediate solid solutions in the quaternary exchange system $\text{Cu}(\text{In,Ga})(\text{S,Se})_2 \leftrightarrow 2\text{Cd}(\text{S,Se})$. CrystEngComm, 2013, 15, 4838.	2.6	22
99	Crystallochemical affinity and optical functions of ZrGa_2 and ZrGa_3 compounds. Journal of Alloys and Compounds, 2013, 546, 14-19.	5.5	11
100	Temperature operated infrared nonlinear optical materials based on Tl_4HgI_6 . Journal of Materials Science: Materials in Electronics, 2013, 24, 1187-1193.	2.2	25
101	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. Journal of Materials Science, 2013, 48, 1342-1350.	3.7	20
102	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
103	IR laser induced spectra in novel crystals $\text{CdTe} \leftrightarrow \text{CuInTe}_2$. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 446-450.	3.9	2
104	Single crystal growth and the electronic structure of orthorhombic Tl_3PbBr_5 : A novel material for non-linear optics. Optical Materials, 2013, 35, 1081-1089.	3.6	42
105	Photoinduced Pockels effect in the Nd-doped ZnO oriented nanofilms. Applied Physics B: Lasers and Optics, 2013, 110, 419-423.	2.2	27
106	Photoelectrical properties and the electronic structure 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. Physical Chemistry Chemical Physics, 2013, 15, 6965.	2.8	167
107	Second anion coordination for wurtzite and sphalerite chalcogenide derivatives as a tool for the description of anion sub-lattice. Materials Chemistry and Physics, 2013, 139, 92-99.	4.0	37
108	IR operation by third harmonic generation of Tl_4PbTe_3 and Tl_4SnS_3 single crystals. Journal of Materials Science: Materials in Electronics, 2013, 24, 2410-2413.	2.2	3

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109	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
110	Î ² -BaTeMo ₂ O ₉ microcrystals as promising optically operated materials. Journal of Materials Science, 2013, 48, 5938-5945.	3.7	9
111	Spectral and conductivity features of novel ternary Tl _{1-x} In _x Sn ₂ S ₂ crystals. Crystal Research and Technology, 2013, 48, 464-475.	1.3	8
112	Photo induced anisotropy in the AgGaGe ₃ Se ₈ :Cu chalcogenide crystals. Materials Letters, 2013, 107, 218-220.	2.6	14
113	Tl _{1-x} In _x Sn _x Se ₂ (x=0, 0.1, 0.2, 0.25) single-crystalline alloys as promising non-linear optical materials. Journal of Materials Science: Materials in Electronics, 2013, 24, 3555-3563.	2.2	20
114	Electronic Structure of Quaternary Chalcogenide Ag ₂ In ₂ Ge ₆ (Si) ₆ Single Crystals and the Influence of Replacing Ge by Si: Experimental X-Ray Photoelectron Spectroscopy and X-Ray Diffraction Studies and Theoretical Calculations. Science of Advanced Materials, 2013, 5, 316-327.	0.7	46
115	Physico-chemical interaction in the Tl ₂ Se-HgSe-DIVSe ₂ systems (DIV = Si, Sn). Materials Research Bulletin, 2012, 47, 3830-3834.	5.2	13
116	Synthesis and spectral features of Ag ₂ Sn ₃ S ₃ crystals. Materials Chemistry and Physics, 2012, 135, 249-253.	4.0	12
117	The Co-Ga-Si ternary system at 870K. Powder Metallurgy and Metal Ceramics, 2012, 51, 204-208.	0.8	0
118	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
119	Electronic structure of non-centrosymmetric AgCd ₂ Ga ₄ and AgCd ₂ Ge ₄ single crystals. Journal of Electron Spectroscopy and Related Phenomena, 2012, 185, 559-566.	1.7	42
120	Crystal growth, electron structure and photo induced optical changes in novel Ag _x Ga _x Ge _{1-x} Se ₂ (x=0.333, 0.250, 0.200, 0.167) crystals. Optical Materials, 2012, 35, 65-73.	3.6	47
121	Crystal structure of the Fe _{6-x} Ga _y Ge _{5-y} (x=0.5, y=1.3) ternary compound. Solid State Sciences, 2012, 14, 426-429.	3.2	4
122	Isothermal section of the Ag ₂ S-PbS-GeS ₂ system at 300K and the crystal structure of Ag ₂ PbGeS ₄ . Journal of Alloys and Compounds, 2011, 509, 4264-4267.	5.5	32
123	Crystal structure of the Ag ₂ Si ₃ compound. Journal of Alloys and Compounds, 2011, 509, 4372-4374.	5.5	10
124	Phase diagram of the quasi-binary system TlInSe ₂ -SnSe ₂ . Journal of Alloys and Compounds, 2011, 509, 2693-2696.	5.5	16
125	Crystal structure and magnetism of the Fe ₆ Ga _{6-x} Si _{1+x} (where x=0.05) compound. Solid State Sciences, 2011, 13, 1755-1759.	3.2	4
126	IR operated novel Ag _{0.98} Cu _{0.02} GaGe ₃ Se ₈ single crystals. Journal of Physics and Chemistry of Solids, 2011, 72, 1354-1357.	4.0	29

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127	Ternary Crâ€“Gaâ€“Si system at 870 K. <i>Materials Science</i> , 2011, 46, 486-492.	0.9	1
128	Synthesis and structural properties of CuInGeS ₄ . <i>Journal of Crystal Growth</i> , 2011, 324, 212-216.	1.5	31
129	Bell-Like [Ga ₅] Clusters in Eu ₃ Li _{5+x} Ga _{5-x} (x = 0.15). <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3904-3908.	2.0	6
130	The Cu ₂ FeTi ₃ S ₈ and Cu ₂ FeZr ₃ S ₈ compounds: Crystal structure and electroanalytical application. <i>Materials Science and Engineering C</i> , 2011, 31, 540-544.	7.3	10
131	Single crystal preparation and properties of the AgGaGeS ₄ â€“AgGaGe ₃ Se ₈ solid solution. <i>Journal of Crystal Growth</i> , 2011, 318, 708-712.	1.5	34
132	The Ag ₂ Sâ€“ZnSâ€“GeS ₂ system: Phase diagram, glass-formation region and crystal structure of Ag ₂ ZnGeS ₄ . <i>Journal of Alloys and Compounds</i> , 2010, 500, 26-29.	5.5	33
133	Crystal structure of the phases Hg ₅ CIII ₂ X ₈ (CIII=Ga, In; X=Se, Te). <i>Journal of Alloys and Compounds</i> , 2010, 503, 40-43.	5.5	30
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