

Перелік штатних науково-педагогічних та наукових працівників, які працюють за основним місцем роботи у Львівському національному університеті ветеринарної медицини та біотехнологій ім. С.З. Гжицького не менше шести місяців і мають не менше п'яти наукових публікацій у періодичних виданнях, які на час публікації було включено до науково метричної бази Scopus, або Web of Science Core Collection із переліком цих публікацій

1.	Волос Валерій Опанасович	<p>Kolyano, Yu.M., Volos, V.A., Ivanik, E.G., Gavrysh, V.I. The temperature field in a thermally sensitive multilayer semispace // Inzhenerno-Fizicheskii Zhurnal – 1994, 66 (2), P. 226-234.</p> <p>Kolyano, Yu.M., Volos, V.A., Ivanik, E.G., Gavrysh, V.I. Temperature field in a heat-sensitive multilayer half-space // Journal of Engineering Physics and Thermophysics – 1994, 66(2), P. 203-211.</p> <p>Volos, V.A. Thermoelastic state of inhomogeneous plates under axially symmetric heating // Journal of Soviet Mathematics – 1993.</p> <p>Kolyano, Yu.M., Gladysh, R.V., Ivanik, E.G., Volos, V.A. The inverse coefficient problem of heat conduction for an isotropic body // Journal of Soviet Mathematics 1993.</p> <p>Veremeichuk, N.S., Gladysh, R.V., Volos, V.A., Filippov V.V., Zakala, L.M., Brezden', M.V. Equations of thermal conductivity and thermal elasticity for working elements of cermet packages having sectorial and wedge-shaped through foreign inclusions // Inzhenerno-Fizicheskii Zhurnal – 1993, 63(2), P. 233-243.</p> <p>Veremeichuk, N.S., Gladysh, R.V., Volos, V.A. Filippov V.V., Zakala, L.M., Brezden, M.V. Heat conduction and thermal elasticity equations for operating elements of metal ceramic cases (MCC) containing sector- and wedge-shaped foreign inclusions // Journal of Engineering Physics and Thermophysics – 1993, 64(2), P. 186-194.</p> <p>Kalynyak, N.I., Gladysh, R.V., Volos, V.A., Kainskii, I.E. Temperature stresses in a heat-sensitive ceramic plate // Strength of Materials – 1990.</p> <p>Kolyano, Yu.M., Volos, V.A., Podkova, Ya.I. Thermoelasticity of a thick-walled cylindrical shell with filler // Strength of Materials – 1976.</p>	Scopus
2.	Гутий Богдан Володимирович	<p>Гутий Б.В., Мурська С.Д., Гуфрій Д.Ф., Харів І.І., Левківська Н.Д., Назарук Н.В., Гайдук М.Б., Прийма О.Б., Білик О.Я., Гута З.А.</p> <p>Вплив кадмієвого навантаження на систему антиоксидантного захисту організму бугайців, Вісник Дніпропетровського університету. Біологія, екологія. 2016. 24(1), С.96–102</p>	Web of Science

	<p>V. Y. Vishchur, I. I. Saranchuk, B. V. Gutyj</p> <p>Fatty acid content of honeycombs depending on the level of technogenic loading on the environment. Вісник Дніпропетровського університету. Біологія, екологія. 2016. 24(1), С. 182–187</p>	<p>Web of Science</p>
	<p>Харів М.І., Буцяк В.І., Гутий Б.В., Харів І.І.</p> <p>Гематологічні показники організму щурів за умов оксидативного стресу та за дії ліпосомального препарату. Біологічний вісник МДПУ. 2016. №1. – С. 276-289</p>	<p>Web of Science</p>
	<p>Мартишук Т.В., Гутий Б.В., Віщур О.І.</p> <p>Рівень продуктів перекисного окиснення ліпідів у крові щурів за умов оксидативного стресу та за дії ліпосомального препарату «Бутаселмевіт». Біологічний вісник МДПУ. 2016. №2. – С. 22-27</p>	<p>Web of Science</p>
	<p>B. Gutyj, M. Paska, N. Levkivska, R. Pelenyo, N. Nazaruk, Z. Guta</p> <p>Study of acute and chronic toxicity of ‘injectable mevesel’ investigational drug.</p> <p>Biological Bulletin of Bogdan Chmelnytsky Melitopol State Pedagogical University, 6 (2), pp. 174–180, 2016</p>	<p>Web of Science</p>
	<p>Харів М.І., Гутий Б.В.</p> <p>Вплив ліпосомального препарату Бутаінтервіт на протеїнсинтезувальну функцію печінки щурів за отруєння тетрахлорметаном. Вісник Дніпропетровського університету. Біологія, медицина. 2016. 7(2) – С. 123-126</p>	<p>Web of Science</p>
	<p>B. Gutyj, I. Khariv, V. Binkevych, O. Binkevych, N. Levkivska, D. Levkivskyj, Y. Vavrysevich</p>	<p>Web of Science</p>

		<p>Research on acute and chronic toxicity of the experimental drug Amprolinsyl. Regul. Mech. Biosyst., 2017. – 8(1), 41–45</p>	
		<p>Gutyj, B., Nazaruk, N., Levkivska, A., Shcherbatyj, A., Sobolev, A., Vavrysevych, J., Hachak, Y., Bilyk, O., Vishchur, V., Guta, Z.</p> <p>The influence of nitrate and cadmium load on protein and nitric metabolism in young cattle. Ukrainian Journal of Ecology. 2017. – 7(2), 9–13.</p>	Web of Science
		<p>Shcherbatyy, A. G., Slivinska, L. G., Gutyj, B. V., Golovakha, V. I., Piddubnyak, A. V., Fedorovuch, V. L.</p> <p>The influence of a mineral-vitamin premix on the metabolism of pregnant horses with microelemetosis. Regulatory Mechanisms in Biosystems, 2017. – 8(2), 293–398.</p>	Web of Science
		<p>Gutyj, B., Martyshchuk, T., Bushueva, I., Semeniv, B., Parchenko, V., Kaplaushenko, A., Magrelo, N., Hirkovyy, A., Musiy, L., &amp; Murska, S.</p> <p>Morphological and biochemical indicators of blood of rats poisoned by carbon tetrachloride and subject to action of liposomal preparation. Regulatory Mechanisms in Biosystems, 8(2), 304–309.</p>	Web of Science
		<p>Gutyj B., Hachak Y., Vavrysevych J., Nagovska V.</p> <p>The influence of cryopowder “Garbuz” on the technology of curds of different fat content. Eastern-European Journal of Enterprise Technologies. – Харків, 2017. – В. 2. – №10(86). – С. 20-24</p>	<a href="#">Scopus</a>
3	Мідяний Степан Васильович	<p>Wróblewska, A., Huta, O.M., Midyanyj, S.V., Patsai I.O., Rak, J., Błazejowski, J. Origin of Chemiluminescence Accompanying the Reaction of the 9-Cyano-10-methylacridinium Cation with Hydrogen Peroxide // Journal of Organic Chemistry, 2004, 69 (5), 1607–1614.</p>	Scopus

		<a href="#">Midyanji SV, Guta AM, Patsai IO. The chemiluminescence determination of iron using 9-cyano-10-methylacridinium nitrate // Industrial Laboratory, 2000. - 66, 218-219</a>	Scopus
		<a href="#">Romaniv OM, Huta OM, Vasylechko VO, Heneha BY Midyanji SV. Chemiluminescent investigations of corrosion of stainless steels // Materials Science, 1997. - 33 (6), 751-758</a>	Scopus
		<a href="#">Guta AM, Zinchuk VK, Vasilechko VO, Grin' YN, Orishchin SV, Midyanji SV. Data bank of systematized methods of water analysis for contents of metals // Journal of Water Chemistry and Technology, 1993. - 15 (6), 50-51</a>	Scopus
		<a href="#">Kuz'ma YB, Guta AM, Vasilechko VO, Midyanji SV, Pilipchuk EA. Copper determination using a chemiluminescent composition in acid medium // Khimiya i Tekhnologiya Vody, 1993. - 15 (6), 37-40</a>	Scopus
4	Сас Наталія Богданівна	Andreikiv. O.E., Sas. N.B. Fracture mechanics of metallic plates under the conditions of high-temperature creep. // J. Materials science – 2006. – №2. – P. 62-68.	Scopus та Web of Science
		Andreikiv. O.E., Sas. N.B. Strength of thin-walled structural elements with cracks under the conditions of creep. // J. Materials science – 2007. – Vol.43, – №2. – P. 174-182.	Scopus та Web of Science
		Andreikiv. O.E., Sas. N.B. Subcritical growth of a plane crack in a three-dimensional body under the conditions of high-temperature creep. // J. Materials science – 2008. – Vol.44, – №2. – P. 163-174.	Scopus та Web of Science
		Andreikiv. O.E., Sas. N.B. Evaluation of the period of subcritical growth of a high-temperature creep crack in the wheel of a steam turbine. // J. Materials science – 2010. – Vol.46, – №3. – P. 297-306.	Scopus та Web of Science
		Andreikiv. O.E., Sas. N.B. Determination of the period of subcritical growth of creep cracks in steam pipelines. // J. Materials science – 2014 – Vol.49, – №5. – P. 624-630.	Scopus та Web of Science

		Andreikiv. O.E., Dolins'ka. I.Y., Lysyk. A.R., Sas. N.B. Computational Model of the Propagation of Stress-Corrosion Cracks at High Temperatures. // J. Materials science – 2017. – P. 1-8. (Прийнято до друку)	Scopus та Web of Science
5	Федорчук Анатолій Олександрович	Шевченко И.П., Маркив В.Я., Ярмолук Я.П., Гринь Ю.Н., Федорчук А.А. Фазовые равновесия и кристаллическая структура соединений в системе Ho-Cu-Ga // Изв. АН СССР. – Металлы. – 1989. – N1. – С.214-217.	Scopus
		Jatsenko S.P., Grin Yu.N., Sitschewitsch O.M., Sabirsianow N.A. Fedortschuk A.A. Cristallstruktur von "Ce <sub>3</sub> Ga <sub>2</sub> " (Ce <sub>4,8</sub> Ga <sub>3,2</sub> ) // J. Less-Common Metals. – 1990. – Vol.160. – N1. – P.229-235.	Scopus
		Grin Yu.N., Chevalier B., Rogl P., Fedorchuk A.A., Gryniv I.A. Physical properties of binary cerium-gallides and ternary cerium-germanium-gallides // J. Less-Common Metals. – 1991. – Vol.167. – N2. – p.365-371.	Scopus
		Гринь Ю.Н, Федорчук А.А. Влияние кристаллической структуры фаз на строение диаграмм состояния {Y,Sm}-Li-Ga // Металлы. – №5. – 1992. – С.206-209.	Scopus
		Василечко Л.О., Гринь Ю.М., Федорчук А.О. Новые тернарные галлиды со структурой типов KHg <sub>2</sub> и CaIn <sub>2</sub> // Неорг. материалы. – 1994. – №11. – С.1409-1411.	Scopus
		Федорчук А.А., Гринь Ю.Н. Кристаллическая структура соединения Ce <sub>0,26</sub> Li <sub>0,74</sub> Ga <sub>2</sub> и его аналогов // Неорг. Материалы. – 1995. – №1. – С.132-133.	Scopus

		Wasylechko L.O., Grin Yu.N., Fedorchuk A.A. CeNi <sub>3</sub> -type ternary phases in R-Ni-Ga systems {R=Y, Pr, Nd, Sm, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu} // J. Alloys Comp. – 1995. – Vol.219. – P.222-224.	Scopus
		Зелинский А.В., Федорчук А.О. Кристаллическая структура соединения U <sub>2+x</sub> Co <sub>2</sub> Ga <sub>1-x</sub> // Неорг. Материалы. – 1995. – том 31. – N 11. – С.1491.	Scopus
		Федорчук А.А., Стародуб П.К., Конюшко Н.Б. Кристаллическая структура соединения Lu <sub>0,3-0,5</sub> Y <sub>0,7-0,5</sub> Ga <sub>3</sub> // Неорган. Материалы. – 1998. – том 34. – №2. – С.194-195.	Scopus
		Мякуш О.Р., Федорчук А.А., Рыхаль Р.М. Кристаллическая структура соединений YRh <sub>0,38</sub> Ga <sub>1,62</sub> , YPd <sub>0,38</sub> Ga <sub>1,62</sub> и YPd <sub>0,32</sub> Ga <sub>1,68</sub> // Журнал неорган. Химии. – 1998. – №4. – Том 43. – С.544-546.	Scopus
		Мякуш О.Р., Федорчук А.А., Зелинский А.В. Кристаллическая структура соединений состава R <sub>26</sub> (Ru <sub>x</sub> Ga <sub>1-x</sub> ) <sub>17</sub> , (R=Ce, Gd, Y, Tb, Dy, Ho, Er, Tm, Lu) и HoRu <sub>0,6</sub> Ga <sub>0,4</sub> // Неорган. Матер. – 1998. – том 34. – №6. – С. 688-691.	Scopus
		Федорчук А.А., Дольникова Т.В. Кристаллическая структура соединения TbGe <sub>1,12-1,48</sub> Ga <sub>0,88-0,52</sub> // Неорг. Матер. – 1999. – том 35. – №5. – С.569-571.	Scopus
		Мякуш О.Р., Федорчук А.А., Олексин О.Я., Шолмаер Д. Кристаллическая структура соединения Ce <sub>2</sub> Ru <sub>3</sub> Ga <sub>5</sub> // Кристаллография. – 1999. – том 44. – №5. – С.824-828.	Scopus

		Myakush O.R., Fedorchuk A.A. Crystal Structure of HoPd <sub>2,1</sub> Ga <sub>3,9</sub> Compound // Polish J. Chem. – 2000. – Vol.74. – P.741-743.	Scopus
		Tokajchuk Ya.O., Fedorchuk A.A., Mokra I.R. Interaction among the Components in La-Ga-Si System at 870 K // Polish J. Chem. – 2000. – Vol.74. – P.745-748.	Scopus
		Myakush O.R. Fedorchuk A.A. Interaction among the components in Y-Rh-Ga system at 870 K // Polish J. Chem. – 2001. – №75. – S.1077-1079.	Scopus
		Fedorchuk A., Prots Yu., Schmidt M., Schnelle W., Grin Yu. Novel derivatives of the CaIn <sub>2</sub> type of structure: Yb <sub>1+x</sub> Mg <sub>1-x</sub> Ga <sub>4</sub> (0≤x≤0.058) and YLiGa <sub>4</sub> // Z. Anorg. Allg. Chem. – 2003. – Vol.629. – P.2470-2478.	Scopus
		Tokaychuk Ya.O., Filinchuk Ya.E. Fedorchuk A.O., Bodak O.I. Partial Sn-atom ordering in Sm <sub>3</sub> Ga <sub>0,80-2,48</sub> Sn <sub>4,20-2,52</sub> // Acta Cryst. – 2003. – C59. – P.i125-i127.	Scopus
		Tokaychuk Ya.O., Fedorchuk A.O., Bodak O.I., Mokra I.R. Phase relations in the Nd-Ga-Si System at 870 K // J. Alloys Comp. – 2004. – Vol.367. – P.64-69.	Scopus
		Fedyna L.O., Bodak O.I., Fedorchuk A.O., Tokaychuk Ya.O. The Crystal Structure of new Ternary Antimonide TmCu <sub>4-x</sub> Sb <sub>2</sub> (x=1.065) // J. Alloys Comp. – 2005. – vol.394. – P.156-159.	Scopus
		Fedyna L.O., Bodak O.I., Fedorchuk A.O., Tokaychuk Ya.O. The crystal structure of the new ternary antimonide Dy <sub>3</sub> Cu <sub>20+x</sub> Sb <sub>11-x</sub> (x ≈ 2) // J. Sol. St. Chem. – 2005. – Vol.178. – P.1874-1879.	Scopus

		Fedorchuk A., Prots Yu., Schnelle W., Grin Yu. Crystal structure of europium lithium gallium, $\text{EuLi}_{0.24}\text{Ga}_{1.76}$ // Z. Kristallogr. NCS. – 2005. – Vol. 220. – P.315-316.	Scopus
		Fedorchuk A., Prots Yu., Grin Yu. Crystal structures of europium magnesium gallium, $\text{EuMg}_x\text{Ga}_{4-x}$ , and europium lithium gallium, $\text{EuLi}_x\text{Ga}_{4-x}$ ( $x=0.5$ ) // Z. Kristallogr. NCS. – 2005. – Vol. 220 – P.317-318.	Scopus
		Tokaychuk Y. O., Filinchuk Y. E., Fedorchuk A.O., Kozlov A. Yu., Mokra I. R. New representatives of the liner structure series containing empty Ga/Ge cubes in the Sm-Ga-Ge system // J. Solid State Chemistry. – 2006. – Vol.179. –P.1323-1329.	Scopus
		Bodak O., Demchenko P., Seropegin Yu., Fedorchuk A. Cubic structure types of rare-earth intermetallics and related compounds // Z. Kristallogr. – 2006. – Vol.221. – P.482-492.	Scopus
		Sachanyuk V.P., Parasyuk O.V., Fedorchuk A.O., Atuchin V.V., Pervukhina N.V., Plotnikov A.E. The system $\text{Ag}_2\text{Se}-\text{Ho}_2\text{Se}_3$ in the 0–50 mol. % $\text{Ho}_2\text{Se}_3$ range and the crystal structure of two polymorphic forms of $\text{AgHoSe}_2$ // Materials Research Bulletin – 2007. – Vol. 42. – P. 1091-1098.	Scopus
		Sachanyuk V.P., Fedorchuk A.O., Olekseyuk I.D., Parasyuk O.V. New compounds $\text{Cu}_2\text{MnTi}_3\text{S}_8$ and $\text{Cu}_2\text{NiTi}_3\text{S}_8$ with thiospinel structure // Materials Research Bulletin – 2007. – Vol. 42. – P.143–148.	Scopus
		Sachanyuk V.P., Fedorchuk A., Olekseyuk I.D., Parasyuk O.V. Crystal structure of the new quaternary copper manganese and zirconium chalcogenides // phys. stat. sol. 2007 (b) 244, No. 4, P. 1288–1295.	Scopus



		Laganovsky A.V., Kormosh Zh.O., Fedorchuk A.O., Sachanyuk V.P., Parasyuk O.V. AgCrTiS <sub>4</sub> . Synthesis, Properties and analytical application // Metallurgical and Materials transactions. Vol.39 B. 2008. P.155-159.	Scopus
		Fedyna M.F., Fedorchuk A.O., Fedyna L.O., Tokaychuk Ya.O. Crystal Structure of LuCu <sub>4-x</sub> Sb <sub>2</sub> (x = 1.053) // J. Alloys Comp. – 2008. – vol.462. – P.109 - 112.	Scopus
		Kozer V.R., Fedorchuk A., Olekseyuk I.D., Parasyuk O.V. Phase equilibria in the quasi-ternary system Ag <sub>2</sub> S–In <sub>2</sub> S <sub>3</sub> –CdS at 870 K // J. Alloys and Comp. 2009, Vol. 480, P.360-364.	Scopus
		Parasyuk O.V., Fedorchuk A.O., Kogut Yu.M., Piskach L.V., Olekseyuk I.D. The Ag <sub>2</sub> S–ZnS–GeS <sub>2</sub> systems: phase diagram, glass-formation region and crystal structure of Ag <sub>2</sub> ZnGeS <sub>4</sub> // J. Alloys and Comp. 2010. Vol.500. P.26-29.	Scopus
		Kozer V.R., Fedorchuk A.O., Olekseyuk I.D., Parasyuk O.V. Crystal structure of the phases Hg <sub>5</sub> C <sup>III</sup> <sub>2</sub> X <sub>8</sub> (C <sup>III</sup> = Ga, In; X = Se, Te). // J. Alloys and Comp. 2010. Vol.503. P.40-43.	Scopus
		Лютий П.Я., Токайчук Я.О., Федорчук А.О. Потрійна система сг-ga-Si при 870 К // Фізико-хімічна механіка матеріалів -2010, №4, с.53-59.	Scopus
		Mozolyuk M.Yu., Piskach L.V., Fedorchuk A.O., Kityk I.V., Olekseyuk I.D., Parasyuk O.V. Phase diagram of the quasi-binary system TlInSe <sub>2</sub> –SnSe <sub>2</sub> // J. Alloys Comp. 2011, Vol. 509, P.2693-2696.	Scopus
		Kormosh Zh., Fedorchuk A., Wojciechowski K., Tataryn N., Parasyuk O. The Cu <sub>2</sub> FeTi <sub>3</sub> S <sub>8</sub> and Cu <sub>2</sub> FeZr <sub>3</sub> S <sub>8</sub> compounds: Crystal structure and electroanalytical application // Materials Science and Engineering C, 2011, Vol.31, P.540-544.	Scopus

		Kogut Yu.M., Fedorchuk A.O., Zhbakov O.E., Romanyuk Y.E., Kityk I.V., Piskach L.V., Parasyuk O.V. Isothermal section of the $\text{Ag}_2\text{S-PbS-GeS}_2$ system at 300 K and the crystal structure of $\text{Ag}_2\text{PbGeS}_4$ // J. Alloys Comp. 2011, Vol.509., P.4264-4267.	Scopus
		Zhbakov O., Fedorchuk A., Kityk I., Olekseyuk I., Parasyuk O. Crystal structure of the $\text{Ag}_2\text{SiS}_3$ compound // J. Alloys Comp. 2011. Vol. 509., P.4372-4374.	Scopus
		Shevchuk M.V., Atuchin V.V., Kityk A.V., Fedorchuk A.O., Romanyuk Y.E., Ca'us S., Yurchenko O.M., Parasyuk O.V. Single crystal preparation and properties of $\text{AgGaGeS}_4\text{-AgGaGe}_3\text{Se}_8$ solid solution // J. Crystal Growth. 2011. Vol.318. P.708-712.	Scopus
		Lyutyi P.Ya., Tokaichuk Ya.O., Fedorchuk A.O. Ternary Cr–Ga–Si system at 870 K // Materials Science, 2011, Vol. 46, No. 4, P.486-490.	Scopus
		Gorgut G.P., Fedorchuk A.O., Kityk I.V., Sachanyuk V.P., Olekseyuk I.D., Parasyuk O.V. Synthesis and structural properties of $\text{CuInGeS}_4$ // J. Crystal Growth, 2011, Vol.324., P.212-216.	Scopus
		Lyutyi P.Ya., Svitlyk V.O., Fedorchuk A.O. Crystal structure and magnetism of the $\text{Fe}_6\text{Ga}_{6-x}\text{Si}_{1+x}$ (where $x = 0.05$ ) compound // Solid State Sciences 2011, Vol.13, P.1755-1759.	Scopus
		Fedorchuk A.O., Gorgut G.P., Parasyuk O.V., Lakshminarayna G., Kityk I.V., Piasecki M. Ir operated novel $\text{Ag}_{0.98}\text{Cu}_{0.02}\text{GaGe}_3\text{Se}_8$ single crystals // J. Physics and Chemistry of Solids, Vol. 72, Issue 11, November 2011, P. 1354-1357.	Scopus
		Fedorchuk A., Prots Y., Schnelle W., Grin Y. Bell-Like $[\text{Ga}_5]$ Clusters in $\text{Eu}_3\text{Li}_{5+x}\text{Ga}_{5-x}$ ( $x = 0.15$ ) // European Journal of Inorganic Chemistry, Vol. 2011, Issue 26, Sept. 2011, P. 3904–3908.	Scopus

		Lyutyy P.Ya., Svitlyk V.O., Fedorchuk A.O. Crystal structure of the $Fe_{6-x}Ga_yGe_{5-y}$ ( $x \sim 0.5$ , $y = 1.3$ ) ternary compound // Solid State Sciences 2012. Vol. 14, P. 426-429.	Scopus
		Лютий П.Я., Федорчук А.О. Потрійна система co–ga–Si при 870 К // Порошкова металургія, 2012, №3/4, с.97-101.	Scopus
		Fedorchuk A.O., Zhabankov O.Ye., Lakshminarayana G., Kityk I.V., Tokaichuk Y., Myronchuk G.L., Davydyuk G.Ye., Yakymchuk O.V., Parasyuk O.V. Synthesis and spectral features of $Ag_2SnS_3$ crystals // Materials Chemistry and Physics, Vol. 135, Issues 2–3, 15 August 2012, P. 249-253	Scopus
		Tokaychuk Ya., Fedorchuk A. $TbGa_{2.64}Sn_{0.36}$ – a new close-packed structure type // J. Alloys Comp. 2012, Vol. 541, P.23-28.	Scopus
		Parasyuk O.V., Fedorchuk A.O., Gorgut G.P., Khyzhun O.Y., Wojciechowski A., Kityk I.V. 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 // Optical Materials Vol.35, (2012), P.65-73.	Scopus
		Mozolyuk M.Yu., Piskach L.V., Fedorchuk A.O., Olekseyuk I.D., Parasyuk O.V. Physico-chemical interaction in the $Tl_2Se-HgSe-D^{IV}Se_2$ systems ( $D^{IV} - Si, Sn$ ) // Materials Research Bulletin 2012, Vol.47, P. 3830-3834	Scopus

		Bekenev V.L., Bozhko V.V., Parasyuk O.V., Davydyuk G.E., Bulatetska L.V., Fedorchuk A.O., Kityk I.V., Khyzhun O.Yu. Electronic structure of non-centrosymmetric $\text{AgCd}_2\text{GaS}_4$ and $\text{AgCd}_2\text{GaSe}_4$ single crystals // J. Electron Spectroscopy and Related Phenomena 185 (2012) 559–566	Scopus
		Reshak A. H., Kityk I.V., Parasyuk O.V., Fedorchuk A.O., AlZayed N., Alahmed Z. A., Kamarudin H., Auluck S. 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: Materials in Electronics (2013) 48:1342–1350	Scopus
		Reshak A.H., Kityk I.V., Ebothe J., Fedorchuk A.O., Fedyna M.F., Kamarudin H., Auluck S. Crystallochemical affinity and optical functions of $\text{ZrGa}_2$ and $\text{ZrGa}_3$ compounds // J. Alloys and Compounds 2013, vol.546, P.14-19	Scopus
		Reshak A. H., Lakshminarayana G., Ebothe J., Fedorchuk A.O., Fedyna M.F., Kamarudin H., Mandracci P., Auluck S. Band structure, Density of states, and crystal chemistry of $\text{ZrGa}_2$ and $\text{ZrGa}_3$ single crystals // J. Alloys and Compounds 556 (2013) 259–265	Scopus
		Khyzhun O.Y., Bekenev V.L., Parasyuk O.V., Danylchuk S.P., Denysyuk N.M., Fedorchuk A.O., AlZayed N., Kityk I.V. Single crystal growth and the electronic structure of orthorhombic $\text{Tl}_3\text{PbBr}_5$ : A novel material for non-linear optics // Optical Materials 35 (2013) 1081–1089	Scopus
		Fedorchuk A.O., Parasyuk O.V., Kityk I.V. Second anion coordination for wurtzite and sphalerite chalcogenide derivatives as a tool for the description of anion sub-lattice // Materials Chemistry and Physics 2013, Vol. 139, P. 92-99	Scopus

		Douayar A., Abd-Lefdil M., Nouneh K., Prieto P., Diaz R., Fedorchuk A.O., Kityk I.V. Photoinduced Pockels effect in the Nd - doped ZnO oriented nanofilms // Applied Physics B: Lasers and Optics (2013) 110:419–423	Scopus
		Piasecki M., Lakshminarayana G., Fedorchuk A.O., Kushnir O.S., Franiv V.A., Franiv A.V., Myronchuk G., Plucinski K.J. Temperature operated infrared nonlinear optical materials based on $Tl_4HgI_6$ // Journal of Materials Science: Materials in Electronics, 2013, Vol. 24, p. 1187-1193	Scopus
		Reshak A. H., Khyzhun O.Y., Kityk I.V., Fedorchuk A.O., Kamarudin H., Auluck S., Parasyuk O.V. Electronic Structure of Quaternary Chalcogenide $Ag_2In_2Ge(Si)S_6$ 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, Vol. 5, p. 316-327	Scopus
		Davydyuk G., Khyzhun O., Reshak A. H., Kamarudin H., Myronchuk L., Danylchuk S., Fedorchuk A.O., Piskach L.V., Mozolyuk M.Yu., Parasyuk O., Photoelectrical properties and the electronic structure of $Tl_{1-x}In_{1-x}Sn_xSe_2$ ( $x = 0, 0.1, 0.2, 0.25$ ) single crystalline alloys // Physical Chemistry Chemical Physics, 2013, 15, P.6965-6972	Scopus
		Majchrowski A., Jaroszewicz L.R., Cieslik I., Fedorchuk A.O. $YAl_3(BO_3)_4 :TM$ (TM=Mn, Co, Cr ) nanocrystals synthesis for laser operated nonlinear optics // J. Mater. Science: Materials in Electronics. 2013, Volume 24, Issue 5, p. 1485-1489	Scopus
		Fedorchuk A.O., Lakshminarayana G., Tokaichuk Y.O., Parasyuk O.V. The crystal structure of novel silver sulphogermanate $Ag_{10}Ge_3S_{11}$ // J. Alloys Comp. 2013, Vol.576, P.134-139	Scopus

		Romanyuk Y.E., Marushko L.P., Piskach L.V., Olekseyuk I.D., Kityk I.V., Fedorchuk A., Volkov S.V., Pekhnyo V.I., Parasyuk O.V. Formation of intermediate solid solutions in the quaternary exchange system Cu(Ga,In)(S,Se) <sub>2</sub> -2Cd(S,Se) // CrystEngComm, 2013, 15, P.4838–4843	Scopus
		Malakhovskay-Rosokha T.A., Filep M.J., Sabov M.Yu., Barchiy I.E., Fedorchuk A.O., Plucinski K.J. IR operation by third harmonic generation of Tl <sub>4</sub> PbTe <sub>3</sub> and Tl <sub>4</sub> SnS <sub>3</sub> single crystals // Journal of Materials Science: Materials in Electronics, 2013, Vol.24, p. 2410-2413	Scopus
		Kityk I.V., Fedorchuk A.O., Rakus P., Ebothe J., AlZayed N., Alqarni S.A.N., El-Naggar A.M., Parasyuk O.V. Photo induced anisotropy in the AgGaGe <sub>3</sub> Se <sub>8</sub> :Cu chalcogenide crystals // Materials Letters (2013) Vol.107, P.218–220	Scopus
		Reshak A.H., Fedorchuk A.O., Lakshminarayana G., Alahmed Z.A., Kamarudin H., Auluck S. Influence of different exchange correlation potentials on band structure and optical constant calculations of ZrGa <sub>2</sub> and ZrGe <sub>2</sub> single crystals // Computational Materials Science 78 (2013) 134–139	Scopus
		Myronchuk G., Danylchuk S., Parasyuk O.V., Piskach L.V., Fedorchuk A.O. Spectral and conductivity features of novel ternary Tl <sub>1-x</sub> In <sub>1-x</sub> Sn <sub>x</sub> S <sub>2</sub> crystals // Cryst. Res. Technol. (2013) 48, No.7, 464–475.	Scopus
		Majchrowski A., Sahraoui B., Fedorchuk A.O., Jaroszewicz L.R., Michalski E., Migalska-Zalas A., Kityk I.V. β-BaTeMo <sub>2</sub> O <sub>9</sub> microcrystals as promising optically operated materials // J. Materials Science 2013, Vol. 48, Issue 17, P.5938-5945	Scopus
		Reshak A.H., Kogut Y.M., Fedorchuk A.O., Zamuruyeva O.V., Myronchuk G.L., Parasyuk O.V., Kamarudin H., Auluck S., Plucinski K.J., Bila J. Electronic and optical features of the mixed crystals Ag <sub>0.5</sub> Pb <sub>1.75</sub> Ge(S <sub>1-x</sub> Se <sub>x</sub> ) <sub>4</sub> // Journal of Materials Chemistry C, 2013, Vol.1, P.4667–4675	Scopus

		Myronchuk G. G., Davydyuk G., Parasyuk O., Khyzhun O., Andrievski R., Fedorchuk A., Danylchuk S., Piskach L., Mozolyuk M. $Tl_{1-x}In_{1-x}Sn_xSe_2$ ( $x=0, 0.1, 0.2, 0.25$ ) single crystalline alloys as promising nonlinear optical materials // J. Materials Science: Materials in Electronics 2013, Vol. 24, P. 3555-3563.	Scopus
		Parasyuk O.V., Kadykalo E.M., Marushko L.P., Myronchuk G., Fedorchuk A.O., Wojciechowski A., Piasecki M., Mzyk M., Kuznik W. IR laser induced spectra in novel CdTe-CuInTe <sub>2</sub> // Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2013, Vol. 116, P.446-450.	Scopus
		Ozga K., Lakshminarayana G., Szota M., Nabialek M., Tkaczyk S., Kapustianyk V., Rudyk V., Myronchuk G., Danylchuk S., Fedorchuk A.O. Optically induced anisotropy and electrooptics in ferroic organic nanocomposites // J. Optical and Quantum Electronics, 2013, Vol. 45, p. 1115-1124	Scopus
		Ozga K., Lakshminarayana G., Dospial M., Tkaczyk S., Fedorchuk A.O. Optoelectronic operation in ferroic $[NH_2(C_2H_5)_2]_2Cu_xCo_{1-x}Cl_4$ nanocomposites // Journal of Materials Science: Materials in Electronics, 2013, Vol. 24, p. 4137-4141	Scopus
		Davydyuk G.E., Piasecki M., Parasyuk O.V., Myronchuk G.L., Fedorchuk A.O., Danylchuk S.P., Piskach L.V., Mozolyuk M.Yu., AlZayed N., Kityk I.V. Two-photon absorption of $Tl_{1-x}In_{1-x}Sn_xSe_2$ ( $x=0, 0.1, 0.2, 0.25$ ) single crystalline alloys and their nanocrystallites // Optical Materials, 2013 Vol.35, P.2514–2518.	Scopus
		Reshak A.H., Kogut Y.M., Fedorchuk A.O., Zamuruyeva O.V., Myronchuk G.L., Parasyuk O.V., Kamarudin H., Auluck S., Plucinski K.J., Bila Jiri 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 // Physical Chemistry Chemical Physics, 2013, Vol.15, P.18979-18986	Scopus

		Chen X., Oyama M., Reben M., Wojciechowski A., AlZayed N., Fedorchuk A.O., Kityk I.V. Photoinduced enhancement of optical second harmonic generation in $\text{LiB}_3\text{O}_5$ nanocrystallites embedded between the Ag/ITO electrodes. // Journal of Materials Science: Materials in Electronics, 2013, Vol. 24, p. 4204-4208	Scopus
		Khyzhun O.Y, Bekenev V.L., Denysyuk N.M., Kityk I.V., Rakus, P. Fedorchuk A.O., Danylchuk S.P., Parasyuk O.V. Single crystal growth and the electronic structure of $\text{TlPb}_2\text{Br}_5$ // Optical Materials, Vol.36, Issue 2, December 2013, P.251-258	Scopus
		Reshak A.H., Parasyuk O.V., Fedorchuk A.O., Kamarudin H., Auluck S., Chyský J. Optical spectra and band structure of $\text{Ag}_x\text{Ga}_x\text{Ge}_{1-x}\text{Se}_2$ ( $x = 0.333, 0.250, 0.200, 0.167$ ) single crystals: Experiment and Theory // Journal of Physical Chemistry B, 2013, 117 (48), p.15220–15231	Scopus
		Khyzhun O.Y., Bekenev V.L., Denysyuk N.M., Parasyuk O.V., Fedorchuk A.O. First-principles band-structure calculations and X-ray photoelectron spectroscopy studies of the electronic structure of $\text{TlPb}_2\text{Cl}_5$ // J. Alloys and Compounds, 2014, Vol.582, P.802-809.	Scopus
		Khyzhun O.Y., Parasyuk O.V., Fedorchuk A.O. Single-crystal growth and electronic structure of thiogermanate $\text{AgGaGeS}_4$ , a novel nonlinear optical material // Advances in Alloys and Compounds, 2014, Vol.1, No.1, p. 15-29	Scopus
		Abd-Lefdil M., Douayar A., Belayachi A., Reshak A.H., Fedorchuk A.O., Pramodini S., Poornesh P., Nagaraja K.K., Nagaraja H.S. Third harmonic generation process in Al doped ZnO thin films // J. Alloys and Compounds, 2014, Vol.584, P.7-12.	Scopus
		Kozer V. R., Bozhko V.V., Parasyuk O. V., Novosad O. V., Fedorchuk A. Optoelectronic features of novel $\text{CuInS}_2\text{-ZnIn}_2\text{S}_4$ crystalline alloys // Journal of Materials Science: Materials in Electronics, 2014, Vol.25, p. 163-167.	Scopus



		Lyutyy P., Niehaus O., Pöttgen R., Bragiel P., Piasecki M., Svitlyk V., Fedorchuk A. Stabilization of an FeSi-type modification of the ternary $\text{NiGa}_{0.82}\text{Si}_{0.18}$ , $\text{NiGa}_{0.84}\text{Ge}_{0.16}$ and $\text{NiAl}_{0.46}\text{Si}_{0.54}$ phases // Solid State Sciences, 2014, Vol.29, P.6-11	Scopus
		AlZayed N., Kityk I.V., Soltan S., Wojciechowski A., Fedorchuk A.O., Lakshminarayana G., Shahabuddin M. Laser stimulated kinetics effects on the phase transition of the ferromagnetic/superconducting $\text{MgB}_2/(\text{CrO}_2)$ bilayer thin films // J. Alloys and Compounds, 2014, Vol. 594, P. 60-64.	Scopus
		Abd-Lefdil M., Belayachi A., Pramodini S., Poornesh P., Wojciechowski A., Fedorchuk A.O. 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 // Laser Physics 24 (2014) 035404 (7pp)	Scopus
		Ozga K., Fedorchuk A.O., Lakshminarayana G. Light operated electrooptical materials on the base of $[(\text{C}_2\text{H}_5)_3\text{NH}]_2\text{CuCl}_4$ /polymer nanocomposites // Journal of Materials Science: Materials in Electronics, 2014, Vol. 25, P. 1460-1465	Scopus
		Brik M.G., Kityk I.V., Fedorchuk A.O., Franiv V.A., Parasyuk O. Origin of anisotropy of the near band gap absorption in $\text{Tl}_4\text{HgBr}_6$ single crystals // Journal of Materials Chemistry C, 2014, 2, 2779–2785	Scopus
		Majchrowski A., Wojciechowski A., Jaroszewicz L.R., Chrunik M., Fedorchuk A.O, Sahraoui B., Kityk I.V. Microcrystalline $\text{Bi}_2\text{ZnB}_2\text{O}_7$ - polymer composites with silver nanoparticles as materials for laser operated devices // Journal of Materials Science: Materials in Electronics, 2014, Vol.25, p.2426-2434.	Scopus

		Khyzhun O.Y., Ocheretova V.A., Fedorchuk A.O., Parasyuk O.V. X-ray spectroscopy study of the electronic structure of non-centrosymmetric $\text{Ag}_2\text{CdSnS}_4$ single crystal // <i>Optical Materials</i> , 2014, Vol. 36, P. 1396-1401.	Scopus
		Brik M.G., Kityk I.V., Denysyuk N.M., Khyzhun O.Y., Levkovets S.I., Parasyuk O.V., Fedorchuk A.O., Myronchuk G.L. Specific Features of Electronic Structure of Novel Ternary $\text{Tl}_3\text{PbI}_5$ Optoelectronic Material // <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12838-12847	Scopus
		Myronchuk G.L., Zamurueva O. V., Parasyuk O.V., Piskach L.V., Fedorchuk A.O., AlZayed N.S. El-Naggar A.M., Ebothe J., Lis M., Kityk I.V. Structural and Optical properties of novel optoelectronic $\text{Tl}_{1-x}\text{In}_{1-x}\text{Si}_x\text{Se}_2$ single crystals // <i>Journal of Materials Science: Materials in Electronics</i> , 2014, V.25, p. 3226-3232	Scopus
		Lyutyy Pavlo, Niehaus Oliver, Pöttgen Rainer, Svitlyk Volodymyr, Porodko Iryna and Fedorchuk Anatolii 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, Vol.34, P.63-68.	Scopus
		AlZayed N.S., Kityk I.V., Ozga K., Fedorchuk A.O., Soltan S., Shahabuddin M., El-Naggar A. Role of $\text{MgB}_2/\text{Cr}_2\text{O}_3$ nano-interfaces in photoinduced nonlinear optical treatment of the $\text{MgB}_2$ superconducting films // <i>Physica E: Low-dimensional Systems and Nanostructures</i> , 2014, Vol.63, P.180–185.	Scopus
		Reshak Ali H., Plucinski K., Filep M.J., Sabov M. Yu., Barchij I., Fedorchuk A.O., Kowar-Pokladko M., Alahmed Z. A., Kamarudin H. Photoinduced Deformation in the $\text{Tl}_4\text{SnSe}_3$ Single Crystals // <i>Int. J. Electrochem. Sci.</i> , 2014, Vol.9, P.6068-6073.	Scopus
		Reshak A.H., Singhal A., Choudhury S., Alahmed Z.A., Fedorchuk A.O., Wojciechowki A., Kamarudin H. Photoinduced Second Harmonic Generation for the $\text{In}_2\text{O}_3$ Nanoparticles Embedded into the PMMA Polymers // <i>Int. J. Electrochem. Sci.</i> , 2014, Vol.9, P. 6370-6377.	Scopus

		Reshak A.H., Yanchuk, Prots D. I., Tsurkova L. V., Marchuk O. V., Urubkov I. V., Pekhnyo V. A., Fedorchuk A.O., Alahmed Z. A., Kamarudin H. Optically Stimulated Piezoelectric Effects in the Electrochemically Synthesized ZnO Nanoparticles // Int. J. Electrochem. Sci., 2014, Vol.9, P. 6378-6386.	Scopus
		Zamurueva O. V., Myronchuk G.L., Lakshminarayana G., Parasyuk O.V., Piskach L.V., Fedorchuk A.O., AlZayed N.S., El-Naggar A.M., Kityk I.V. Structural and Optical features of novel $Tl_{1-x}In_{1-x}Ge_xSe_2$ chalcogenide crystals // Optical Materials, 2014, Vol.37, P. 614–620	Scopus
		Luciana Reyes Pires Kassab, Mauricio Eiji Camilo, Diego Silverio da Silva, Thiago Alexandre Alves de Assumpção, A.O.Fedorchuk, K.J.Plucinski Laser stimulated piezoelectricity in the $Er^{3+}$ doped $GeO_2-Bi_2O_3$ glasses containing silicon nanocrystals // Optical Materials, 38, (2014), p.28–32	Scopus
		AlZayed N.S., Ebothé J., Michel J., Kityk I.V., Fedorchuk A.O., Parasyuk O.V., Myronchuk G. Optically stimulated IR non-linear optical effects in the $Tl_3PbCl_5$ nanocrystallites // Physica E: Low-dimensional Systems and Nanostructures, 2015, Vol. 65, P.130–134.	Scopus
		Khyzhun O.Y., Bekenev V.L., Ocheretova V.A., Fedorchuk A.O., Parasyuk O.V. Electronic structure of $Cu_2ZnGeSe_4$ single crystal: Ab initio FP-LAPW calculations and X-ray spectroscopy measurements // Physica B -Condensed Matter 2015, Vol.461, P.75–84	Scopus
		Plucinski K. J., Sabov M., Fedorchuk A.O., Barchiy I., Lakshminarayana G., Filep M. UV laser induced second order optical effects in the $Tl_4PbTe_3$ , $Tl_4SnSe_3$ and $Tl_4PbSe_3$ single crystals // Optical and Quantum Electronics, 2015, Vol.47, P. 185-192	Scopus

		Ozga K., Wojciechowski A., Nabialek M., Szota M., Dospial M., Kapustianyk V., Rudyk V., Fedorchuk A.O. Specific features of photoinduced absorption and second harmonic generation of ferroic organic nanocomposites $[C_3H_7NH_3]_2MnCl_4$ // Optical and Quantum Electronics. 2015, Vol.47, p.743-753	Scopus
		Semenov A., Puzikov V., Skorik S., Wojciechowski A., Fedorchuk A.O., Maciąg A. Role of polytypism and degree of hexagonality on the photoinduced optical second harmonic generaiotn in SiC nanocrystalline films // Physica E: Low-dimensional Systems and Nanostructures, 2015, Vol. 69, P.378–383	Scopus
		Babuka T., Kityk I.V., Parasyuk O.V., Myronchuk G., Khyshun O., Fedorchuk A.O., Makowska-Janusik M. Origin of electronic properties of $PbGa_2Se_4$ crystal: experimental and theoretical investigations // Journal of Alloys and Compounds, 2015, Vol. 633, P. 415–423	Scopus
		Lavrentyev A.A., Gabrelian B.V., Vu V.T., Shkumat P.N., Myronchuk G.L., Khvyshchun M., Fedorchuk A.O., Parasyuk O.V., Khyzhun O.Y. Electronic structure and optical properties of $Cs_2HgI_4$ : Experimental study and band-structure DFT calculations // Optical Materials. 2015, Vol.42, P.351-360.	Scopus
		Kityk I.V., Chrunik M., Majchrowski A., Guidi M.C., Angelucci M., Kamel G., Fedorchuk A.O., Pępczyńska M., Jaroszewicz L.R., Parasyuk O., Bolesta I.M., Kowerdziej R., Krymus A. Second-order Susceptibility Spectra for $\delta$ - $BiB_3O_6$ Polymer Nanocomposites Deposited on the Chalcogenide Crystals // Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy. 2015, vol.146. P.187-191.	Scopus
		Kityk I.V., Fedoruchuk A.O., Ozga K., AlZayed N.S. Band Structure Simulations of the Photoinduced Changes in the $MgB_2$ :Cr Films // Nanomaterials 2015, Vol.5, P.541-553	Scopus

		Plucinski K., El-Naggar A. M., AlZayed N.S., Albassam A. A., Fedorchuk A.O., Kulwas D., Kityk I.V. Laser stimulated changes of the effective energy gap in chalcogenide CuInS <sub>2</sub> photovoltaic films // Materials Science in Semiconductor Processing 2015, Vol.38, P.184–187	Scopus
		Ocheretova V.A., Parasyuk O.V., Fedorchuk A.O., Khyzhun O.Y. Electronic structure of Cu <sub>2</sub> CdGeSe <sub>4</sub> single crystal as determined from X-ray spectroscopy data // Materials Chemistry and Physics. 2015, Vol. 160, P. 345-351.	Scopus
		Kuznik W., Rakus P., Ozga K., Parasyuk O.V., Fedorchuk A.O., Piskach L.V., Krymus A., Kityk I.V., Laser-induced piezoelectricity in AgGaGe <sub>3-x</sub> Si <sub>x</sub> Se <sub>8</sub> chalcogenide single crystals // European Physical Journal Applied Physics. 2015. Vol.70: 30501_6	Scopus
		Myronchuk G.L., Zamurueva O. V., Ozga K., Szota M., El-Naggar A.M., AlZayed N.S., Piskach L.V., Parasyuk O.V., Albassam A.A., Fedorchuk A.O., Kityk I.V. Photoinduced optical properties of Tl <sub>1-x</sub> In <sub>1-x</sub> Si <sub>x</sub> Se <sub>2</sub> crystals // Archives of Metallurgy and Materials. 2015. Vol.60. P.1051-1055.	Scopus
		Ozga K., Fedorchuk A.O., Armand P. Photoinduced piezooptics effect in TeO <sub>2</sub> -Ga <sub>2</sub> O <sub>3</sub> glasses // Solid State Sciences, 2015, Vol. 46, P. 56-61.	Scopus
		Lavrentyev A.A., Gabrelian B.V., Vu V.T., Shkumat P.N., Parasyuk O.V., Fedorchuk A.O., Khyzhun. O.Y. Single crystal growth, electronic structure and optical properties of Cs <sub>2</sub> HgBr <sub>4</sub> // Journal of Physics and Chemistry of Solids, 2015, Vol.85, P.254–263	Scopus
		Reshak A. H., Kityk I.V., Alahmed Z.A., Levkovets S.I., Fedorchuk A.O., Myronchuk G.L., Plucinski K.J., Kamarudin H., Auluck S. Experimental and Theoretical Investigation of Specific Features of the Electronic Structure and Optical Properties of TlHgCl <sub>3</sub> Single Crystal // Optical Materials, 2015, Vol.47, P. 445–452.	Scopus

		Majchrowski A., Jaroszewicz L.R., Fedorchuk A.O., Kityk I.V. Laser operated optical features in b-BaTeMo <sub>2</sub> O <sub>9</sub> :Cr <sup>3+</sup> nanocrystallites // Journal of Alloys and Compounds, 2015, Vol. 649, P. 327–331	Scopus
		Plucinski K., El-Naggar A., Albassam A., Fedorchuk A.O., AlZayed N. S., Krymus A., Kityk I.V., Myronchuk G. Laser operation by photovoltaic features of the kesterite Cu <sub>2</sub> ZnSnSe <sub>x</sub> S <sub>4-x</sub> crystalline films // Journal of Materials Science: Materials in Electronics, 2015, V.26, p.5259-5262.	Scopus
		Kuznik W., Rakus P., Parasyuk O.V., Kozer V., Fedorchuk A.O., Franiv V.A. Growth of AgGaGe <sub>3-x</sub> Sn <sub>x</sub> Se <sub>8</sub> single crystals with light-operated piezoelectricity // Materials Letters, 2015, Vol.161, P. 705–707	Scopus
		Khyzhun O.Y., Kityk I.V., Piasecki M., Fedorchuk A.O., Levkovets S.I., Fochuk P.M., Myronchuk G.L., Parasyuk O.V. Growth, structure and properties of Tl <sub>4</sub> HgBr <sub>6</sub> single crystals // Physica B: Condensed Matter, 2015, Vol. 479, P.134–142	Scopus
		Bahraoui T., Taibi M., El-Naggar A., Slimani Tlemceni T., Albassam A.A., Abd-Lefdil M., Kityk I., AlZayed N., Fedorchuk A.O. Multiferroic Eu doped BiFeO <sub>3</sub> microparticle polymer composites as materials for laser induced gratings // Journal of Materials Science: Materials in Electronics, 2015, Vol.26, P. 9949-9954	Scopus
		Reshak A.H., Alahmed Z. A., Barchij I., Sabov M., Plucinski K.J., Kityk I.V., Fedorchuk A.O. The influence of replacing Se by Te on the electronic structures and optical properties of Tl <sub>4</sub> PbX <sub>3</sub> (X=Se or Te): Experimental and Theoretical investigation // RSC Advances, 2015, Vol.5, P.102173–102181.	Scopus
		Kuznik W., El-Naggar A.M., Rakus P., Ozga K., Parasyuk O.V., Fedorchuk A.O., Piskach L.V., AlZayed N.S., Albassam A.M., Kozer V., Krymus A., Kityk I.V. Novel AgGa <sub>0.95</sub> In <sub>0.05</sub> Ge <sub>3</sub> Se <sub>8</sub> crystalline alloys for light-operated piezoelectricity // Journal of Alloys and Compounds, 2016, Vol.658, P. 408–413.	Scopus

	Albrithen H.A., El-Naggar A.M., Ozga K., Alshahrani H., Alanazi A., Alfaifi E., Labis J., Alyamani A., Albadri A., Alkahtani M.H., Alahmed Z.A., Jedryka J., Fedorchuk A.O. Giant increase of optical transparency for Zn-rich $\text{Ca}_x\text{Zn}_{1-x}\text{O}$ on $\text{Al}_2\text{O}_3(0001)$ grown by pulsed laser deposition // Optical Materials, 2016, Vol.52, P.1–5.	Scopus
	Khyzhun O.Y., Fochuk P.M., Kityk I.V., Piasecki M., Levkovets S.I., Fedorchuk A.O., Parasyuk O.V. Single crystal growth and electronic structure of $\text{TlPbI}_3$ // Materials Chemistry and Physics 172 (2016) p. 165-172	Scopus
	Barchiy I.E., Tatzkar A.R., Fedorchuk A.O., Plucinski K. Phase diagrams of novel $\text{Tl}_4\text{SnSe}_4\text{-TlSbSe}_2\text{-Tl}_2\text{SnSe}_3$ quasi-ternary system following DTA and X-ray diffraction // Journal of Alloys and Compounds, 2016, Vol. 671, P.109-113	Scopus
	Barchij I., Sabov M., El-Naggar A.M., AlZayed N.S., Albassam A.A., Fedorchuk A.O., Kityk I.V. $\text{Tl}_4\text{SnS}_3$ , $\text{Tl}_4\text{SnSe}_3$ and $\text{Tl}_4\text{SnTe}_3$ crystals as novel IR induced optoelectronic materials // Journal of Materials Science: Materials in Electronics (2016) Vol.27, P.3901–3905.	Scopus
	Piasecki M., Myronchuk G.L., Zamurueva O.V., Khyzhun O.Y., Parasyuk O.V., Fedorchuk A.O., Albassam A., El-Naggar A.M., Kityk I.V. Huge operation by energy gap of novel narrow band gap $\text{Tl}_{1-x}\text{In}_{1-x}\text{B}_x\text{Se}_2$ (B= Si, Ge): DFT, X-ray emission and photoconductivity studies // Materials Research Express, 2016, Vol.3 (2), 025902.	Scopus
	Ozga K., Michel J., Nechyporuk B.D., Ebothé J., Kityk I.V., Albassam A., ElNaggar A., Fedorchuk A.O. ZnS/PVA nanocomposites for nonlinear optical applications // Physica E: Low-dimensional Systems and Nanostructures (2016) Vol. E 81, P.281–289.	Scopus

		A. El-Bey, T. El Bahraoui, M. Taibi, A. Belayachi, M.Abd-Lefdil, A.El-Naggar, A.A.Albassam, A.O.Fedorchuk, G.Lakshminarayana, P.Czaja, I.V.Kityk Third order nonlinear optical features of Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> multiferroic near antiferromagnetic phase transitions // Journal of Alloys and Compounds, 2016, Vol. 684, P.412-418.	Scopus
		A.A. Lavrentyev, B.V. Gabrelian, V.T. Vu, O.V. Parasyuk, A.O. Fedorchuk, O.Y. Khyzhun Electronic structure and optical properties of Cs <sub>2</sub> HgCl <sub>4</sub> : DFT calculations and X-ray photoelectron spectroscopy measurements // Optical Materials, 2016, Vol. 60, P.169-180.	Scopus
		Reshak A.H., Parasyuk O.V., Kamarudin H., Kityk I.V., Alahmed Z.A., AlZayed N.S., Auluck S., Fedorchuk A.O. Experimental and Theoretical Study of the Electronic Structure and Optical Spectral features of PbIn <sub>6</sub> Te <sub>10</sub> // RSC Advances, 2016, Vol.6, P.73107-73117.	Scopus
		Y.M. Kogut, A.O. Fedorchuk, O.V. Parasyuk, A.A. Albassam, A.M. El-Naggar, I.V. Kityk Laser operated piezoelectricity in Ag <sub>0.5</sub> Pb <sub>1.75</sub> GeS <sub>4</sub> and Ag <sub>0.5</sub> Pb <sub>1.75</sub> GeS <sub>3</sub> Se crystals // Journal of Materials Science: Materials in Electronics, 2016, 27:9589-9592.	Scopus
		O.Y. Khyzhun, M. Piasecki, I.V. Kityk, I. Luzhnyi, A.O. Fedorchuk, P.M. Fochuk, S.I. Levkovets, M.V. Karpets, O.V. Parasyuk Tl <sub>10</sub> Hg <sub>3</sub> Cl <sub>16</sub> : Single crystal growth, electronic structure and piezoelectric properties // J. Solid State Chem., 2016, V.242, P. 193–198.	Scopus
		Oleg V. Parasyuk, Galyna L. Myronchuk, Anatolij O. Fedorchuk, A.M.El-Naggar, A.A.Albassam, Andrii S. Krymus, Iwan V.Kityk A Novel Effect of CO <sub>2</sub> Laser Induced Piezoelectricity in Ag <sub>2</sub> Ga <sub>2</sub> SiS <sub>6</sub> Chalcogenide Crystals // Crystals, 2016, Vol.6, P.107.1-12; doi:10.3390/cryst6090107	Scopus



	Albin Antony, Pramodini S, Poornesh P, I.V. Kityk, A.O.Fedorchuk, Ganesh Sanjeev Influence of electron beam irradiation on nonlinear optical properties of Al doped ZnO thin films for optoelectronic device applications in the cw laser regime // Optical Materials, 2016, Vol.62, P.64-71	Scopus
	<a href="#">A.S. Krymus, G.L. Myronchuk, O.V. Parasyuk, G. Lakshminarayana, A.O. Fedorchuk, A. El-Naggar, A. Albassam, I.V. Kityk Photoconductivity and non-linear optical features of novel Ag<sub>x</sub>Ga<sub>x</sub>Ge<sub>1-x</sub>Se<sub>2</sub> crystals // Materials Research Bulletin, (2017), Vol.85, P.74–79.</a>	Scopus
	V.V. Halyan, I.V. Kityk, A.H. Kevshyn, I.A. Ivashchenko, G. Lakshminarayana, M.V. Shevchuk, A. Fedorchuk, M. Piasecki Effect of temperature on structure and luminescence properties of Ag <sub>0.05</sub> Ga <sub>0.05</sub> Ge <sub>0.95</sub> S <sub>2</sub> -Er <sub>2</sub> S <sub>3</sub> glasses // Journal of Luminescence, 2017, Vol.181, P.315–320	Scopus
	Yanchuk O.M., Ebothé J., El-Naggar A.M., Albassam A., Tsurkova L.V., Marchuk O.V., Lakshminarayana G., Tkaczyk S., Kityk I.V., Fedorchuk A.O., Vykhryst O.M., Urubkov I.V. Photo-induced anisotropy in ZnO/PVA nanocomposites prepared by modified electrochemical method in PMA matrix // Physica E: Low-dimensional Systems and Nanostructures (2017) Vol. 86, P. 184–189.	Scopus
	Michal Piasecki, Galyna L Myronchuk, Oleg V Parasyuk, Oleg Y Khyzhun, Anatolij O Fedorchuk, Volodymyr V Pavlyuk, V R Kozer, V P Sachanyuk, A M El-Naggar, A A Albassam, J Jedryka, I V Kityk Synthesis, structural, electronic and linear electro-optical features of new quaternary Ag <sub>2</sub> Ga <sub>2</sub> SiS <sub>6</sub> compound // Journal of Solid State Chemistry, 2017, Vol. 246, P. 363–371	Scopus
	Majchrowski A., Kityk I.V., Jaroszewicz L.R., Fedorchuk A.O. UV-induced acoustooptics of matrices containing BaHf(BO <sub>3</sub> ) <sub>2</sub> microcrystallites embedded into olygoetheracrylate photopolymer // Materials Chemistry and Physics, 2017, Vol. 187, P.11-17.	Scopus

		O.V. Parasyuk, O.Y. Khyzhun, M. Piasecki, I.V. Kityk, G. Lakshminarayana, I. Luzhnyi, P.M. Fochuk, A.O. Fedorchuk, S.I. Levkovets, O.M. Yurchenko, L.V. Piskach 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, Vol. 187, P. 156-163.	Scopus
		Kityk I.V., Myronchuk G.L., Parasyuk O.V., Krymus A.S., Rakus P., El-Naggar A., Albassam A., Lakshminarayana G., Fedorchuk A.O. Specific features of photoconductivity and photoinduced piezoelectricity in $AgGaGe_3Se_8$ doped crystals // <i>Optical Materials</i> , Vol.63, P. 197-206,	Scopus
		M Y Rudysh, M G Brik, O Y Khyzhun, A O Fedorchuk, I V Kityk, P A Shchepanskyi, V Y Stadnyk, G Lakshminarayana, R.S. Brezvin, Z. Bak, M. Piasecki Ionicity and birefringence of $a-LiNH_4SO_4$ crystals: ab-initio DFT study and X-ray spectroscopy measurements // <i>RSC Advances</i> , 2017, Vol.7, P.6889-6901	Scopus
		M.Y. Mozolyuk, L.V. Piskach, A.O. Fedorchuk, I.D. Olekseyuk, O.V. Parasyuk, O.Y. Khyzhun The $Tl_2S-PbS-SiS_2$ system and the crystal and electronic structure of quaternary chalcogenide $Tl_2PbSiS_4$ // <i>Materials Chemistry and Physics</i> 2017, Vol.195, P.132-142	Scopus
		M. Chrulik, A. Majchrowski, K. Ozga, M.Ya. Rudysh, I.V. Kityk, A.O. Fedorchuk V. Yo. Stadnyk, M. Piasecki Significant photoinduced increment of reflectivity coefficient in $LiNa_5Mo_9O_{30}$ // <i>Current Applied Physics</i> , 2017, Vol.17, P. 1100-1107.	Scopus
		L.O. Fedyna, A.O. Fedorchuk, V.M. Mykhalichko, Z.M. Shpyrka, M.F. Fedyna Isothermal section of the phase diagram and crystal structures of the compounds in the ternary system $Tm-Cu-Sb$ at 870 K // <i>Solid State Sciences</i> , 2017, Vol.69, P.7-12.	Scopus
		Мокра І.Р., Федорчук А.О, Федина Л.О., Федина М.Ф. Особливість фазоутворення та кристалічні структури сполук у потрійній системі $Tm-Cu-Si$ // <i>Фізико-хімічна механіка матеріалів</i> 2017, том 2, С.41-46.	Scopus

		S.I. Levkovets, O.Y. Khyzhun, G.L. Myronchuk, P.M. Fochuk, M. Piasecki, I.V. Kityk, A.O. Fedorchuk, V.I. Levkovets, L.V. Piskach, O.V. Parasyuk Synthesis, electronic structure and optical properties of $\text{PbBr}_{1.2}\text{I}_{0.8}$ // Journal of Electron Spectroscopy and Related Phenomena (2017) Vol.218, P.13–20.	Scopus
		I.V. Kityk, V.O. Yukhymchuk, A. Fedorchuk, V.V. Halyan, I.A. Ivashchenko, I.D. Oleksieyuk, M.A. Skoryk, G. Lakshminarayana, A.M. El-Naggar, A.A. Albassam, O.O. Lebed, M. Piasecki Laser stimulated piezo-optics of g-irradiated $(\text{Ga}_{55}\text{In}_{45})_2\text{S}_{300}$ and $(\text{Ga}_{54.59}\text{In}_{44.66}\text{Er}_{0.75})_2\text{S}_{300}$ single crystals // Journal of Alloys and Compounds, 2017, Vol. 722, P. 265-271.	Scopus
#	Ціж Богдан Романович	Olenych I., Tsizh B., Aksimentyeva O., Horbenko Y. Organic-Inorganic Nanocomposites for Gas Sensing // IEEE Xplore Digital Library. – 2016. – DOI: 10.1109/UkrMiCo.2016. 7739609.	<a href="#">Scopus</a> <a href="#">ra</a> <a href="#">Web of</a> <a href="#">Science</a>
		Tsizh, B., Aksimentyeva O. I. Organic High-Sensitive Elements of Gas Sensors Based on Conducting Polymer Films // Molec. Cryst.& Liq. Cryst. – 2016. – Vol. 639. – P. 33 – 38.	<a href="#">Scopus</a> <a href="#">ra</a> <a href="#">Web of</a> <a href="#">Science</a>
		Tsizh B. R., Chokhan M. I., Olkhova M. I. Recovery Processes of Optical Properties of Polymer Sensor Films // Molec. Cryst.& Liq. Cryst. – 2016. – Vol. 639. – P. 19 – 23.	<a href="#">Scopus</a> <a href="#">ra</a> <a href="#">Web of</a> <a href="#">Science</a>
		Olenych, B. Tsizh, L. Monastyrskii, O. Aksimentyeva and B. Sokolovskii. Preparation and Properties of Nanocomposites of Silicon Oxide in Porous Silicon// Solid State Phenomena. – 2015. – Vol. 230. – P. 127 – 132.	Scopus

		O. I. Aksimentyeva, B. R. Tsizh, L. S. Monastyrskii, I. B. Olenych, M. R. Pavlyk. Luminescence in porous silicon – poly(para-phenylene) hybrid nanostructures //Physics Procedia. – 2015. – Vol. 76. – P. 31 – 36.	<a href="#">Scopus</a> <a href="#">ta</a> <a href="#">Web of</a> <a href="#">Science</a>
		Aksimentyeva, Olena; Mykytyuk, Zenoviy; Fechan, Andrij; Sushynskyy, Orest; Tsizh, Bohdan, Cholesteric Liquid Crystal Doped by Nanosize Magnetite as an Active Medium of Optical Gas Sensor // Molecular Crystals and Liquid Crystals – Jan 22 2014, 589(1), P. 83-89.	<a href="#">Scopus</a> <a href="#">ta</a> <a href="#">Web of</a> <a href="#">Science</a>
		<a href="#">Tsizh, B. R. ; Aksimentyeva, O. I.; Vertsimakha, Ya. I. ; Lutsyk, P. M. ; Chokhan, M. I. Effect of Ammonia on Optical Absorption of Polyaniline Films// Molecular Crystals and Liquid Crystals – 2014, 589(1), P. 116-123.</a>	<a href="#">Scopus</a> <a href="#">ta</a> <a href="#">Web of</a> <a href="#">Science</a>
		B.R. Tsizh, O.I. Aksimentyeva, V.Y. Lazorenko and M.I. Chokhan. Modification of gas sensitive TiO <sub>2</sub> films by conjugated polyaminoarenes // Proceedings Inter. Conf. on Oxide Materials for Electronic Engineering – fabrication, properties and applications. OMMEE – 2014. – Lviv, Ukraine, 26 – 30.05.2014. – P. 225	<a href="#">Scopus</a> <a href="#">ta</a> <a href="#">Web of</a> <a href="#">Science</a>
		Tsizh, B. ; Aksimentyeva, O. ; Lazorenko, V. ; Chokhan, M. Structure and Gas Sensitivity of the ZnO Sensor of Ethanol // Solid State Phenomena – 2013, 200, P. 305 – 310.	<a href="#">Scopus</a> <a href="#">ta</a> <a href="#">Web of</a> <a href="#">Science</a>
		Tsizh B.R., Chokhan M.I., Aksimentyeva O.I. Structure and Gas Sensitivity of the ZnO Sensor of Ethanol //Proceedings Inter. Conf. on Oxide Materials for Electronic Engineering – fabrication, properties and applications. OMMEE – 2012. – Lviv, Ukraine, 3 – 7.09.2012. – P. 301–302.	<a href="#">Scopus</a> <a href="#">ta</a> <a href="#">Web of</a> <a href="#">Science</a>

		<p>Hotra Z., Stakhira P., Cherpak V., Volynyuk D., Voznyak L., Gorbulyk V., Tsizh B. Effect of thickness of a CuI hole injection layer on the properties of organic light emitting diodes // Photonics Letters of Poland. – 2012. – Vol. 4(1). – P. 35 – 37.</p>	<p>Scopus</p>
		<p><a href="#">Tsizh B. R. ; Aksimentyeva O. I. ; Chokhan M. I. ; Portak Yu R. Sensitive Elements of Resistive Gas Sensors Based on Organic Semiconductors// Molecular Crystals and Liquid Crystals – 2011, 535( 1), Pp.: 220-224</a></p>	<p><a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of Science</a></p>
		<p>S. Mudry, Yu. Kulyk, B. Tsizh. Isothermal Crystallization Kinetics in <math>Fe_{73,1}Si_{15,5}B_{7,4}Nb_{3,0}Cu_{1,0}</math> // Abstract Book 5 Inter. Workshop on Functional and Nanostructured Materials. – Lviv, Ukraine, 31.08. – 06.09.2008 – P 27.</p>	<p><a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of Science</a></p>
		<p>O. Aksimentyeva, O. Konopelnyk, I. Opaynych, B. Tsizh, A.Ukrainets, Y. Ulansky and G. Martyniuk. Interaction of Components and Conductivity in Polyaniline - Polymethylmethacrylate Nanocompositess // Rev. Adv. Mat. Scien. – 2010. – Vol. 23, № 2. – P. 185 – 188.</p>	<p><a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of Science</a></p>
		<p>P. Stakhira, V. Cherpak, D. Volynyuk, Z. Hotra, V. Belukh, O. Aksimentyeva, B. Tsizh and L. Monastyrskiy. Growth and Properties of Conducting Polyaniline Thin Films Obtained by Means of Ionic Sputtering in Crossed Electrical and Magnetic Fields // Rev. Adv. Mat. Scien. – 2010. – Vol. 23, № 2. – P. 180 – 184.</p>	<p><a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of Science</a></p>
		<p>V.Cherpak, P. Stakhira, O. Aksimentyeva, Z. Hotra. B. Tsizh, D. Volynyuk, I. Bordun. Vacuum-deposited poly(o-methoxyaniline) thin film: its structure and electronic properties// Abstract Book 4 Inter. Workshop on Functional and Nanostructured Materials. Gdansk, Poland. 2 – 5.09.2007. – P. 104.</p>	<p><a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of Science</a></p>

		Mudry S. Kulyk Yu., Mykhaylyuk V., Tsizh B. Structure Changes in $Al_{80}Ni_{15}Y_5$ Amorphous Alloy // J. Non-Cryst. Solids. – 2008. – V. 354. – P. 4488 – 4490.	<a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of</a> <a href="#">Science</a>
		Cherpak V., Stakhira P., Aksimentyeva O., Hotra Z., Tsizh B., Volynyuk D., Bordun I. Properties of Flexible Heterojunction Based on ITO/ Poly(3,4-ethylenedioxythiophene): Poly( Styrenesulfonate)/ Pentacene/Al// J. Non-Cryst. Solids. – 2008. – V. 354. – P. 4491 – 4493.	<a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of</a> <a href="#">Science</a>
		Tsizh, B. R. ; Chokhan, M. I. ; Aksimentyeva, O. I.; Konopelnyk, O. I. ;Poliovyi, D. O. Sensors Based on Conducting Polyaminoarenes to Control the Animal Food Freshness // Molec.Cryst.& Liq. Cryst.– 2008, 497, P. 586-592	<a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of</a> <a href="#">Science</a>
		Aksimentyeva O.I., Stakhira P.Y., Vertsimakha Ya.I., Tsizh B.R., Cherpak V.V. Electronic Processes in the Porous Silicon – Conducting Polymer Heterostructures // Molec.Cryst.& Liq. Cryst. – 2007. – V. 467. – P. 73 – 83.	<a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of</a> <a href="#">Science</a>
		Rubish, V.M. ; Shtets, P.P.; Rubish, V.V; Semak, D.G.; Tsizh, B.R. Optical media for information recording based on amorphous layers of Sb-Se-In system // Journal of Optoelectronics and Advanced Materials – 2003, 5( 5), P. 1193-1197.	<a href="#">Web of</a> <a href="#">Science</a>
		Mikolaichuk, A.G.;Tsizh, B.R.; Gorodinskii, A.B.; Zubach, L.D. Crystal-Structure of Highly Oriented $Cd_{x}Se_{1-x}$ Layers // Kristallografiya –1990, 35( 5), P. 1257-1260.	<a href="#">Web of</a> <a href="#">Science</a>
#	Чохань Марія Іванівна	Tsizh B. R., Chokhan M. I., Olkhova M. I. Recovery Processes of Optical Properties of Polymer Sensor Films // Molec. Cryst.& Liq. Cryst. – 2016. – Vol. 639. – P. 19 – 23.	<a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of</a> <a href="#">Science</a>

		<p><a href="#">Tsizh, B. R. ; Aksimentyeva, O. I.; Vertsimakha, Ya. I. ; Lutsyk, P. M. ; Chokhan, M. I. Effect of Ammonia on Optical Absorption of Polyaniline Films// Molecular Crystals and Liquid Crystals – 2014, 589(1), P. 116-123.</a></p>	<p><a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of Science</a></p>
		<p>B.R. Tsizh, O.I. Aksimentyeva, V.Y. Lazorenko and M.I. Chokhan. Modification of gas sensitive TiO<sub>2</sub> films by conjugated polyaminoarenes // Proceedings Inter. Conf. on Oxide Materials for Electronic Engineering – fabrication, properties and applications. OMMEE – 2014. – Lviv, Ukraine, 26 – 30.05.2014. – P. 225.</p>	<p><a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of Science</a></p>
		<p>Tsizh, B. ; Aksimentyeva, O. ; Lazorenko, V. ; Chokhan, M. Structure and Gas Sensitivity of the ZnO Sensor of Ethanol // Solid State Phenomena – 2013, 200, P. 305 – 310.</p>	<p><a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of Science</a></p>
		<p>Tsizh B.R., Chokhan M.I., Aksimentyeva O.I. Structure and Gas Sensitivity of the ZnO Sensor of Ethanol //Proceedings Inter. Conf. on Oxide Materials for Electronic Engineering – fabrication, properties and applications. OMMEE – 2012. – Lviv, Ukraine, 3 – 7.09.2012. – P. 301–302.</p>	<p><a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of Science</a></p>
		<p><a href="#">Tsizh B. R. ; Aksimentyeva O. I. ; Chokhan M. I. ; Portak Yu R. Sensitive Elements of Resistive Gas Sensors Based on Organic Semiconductors// Molecular Crystals and Liquid Crystals – 2011, 535( 1), P. 220-224.</a></p>	<p><a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of Science</a></p>
		<p>Tsizh, B. R. ; Chokhan, M. I. ; Aksimentyeva, O. I.; Konopelnyk, O. I. ;Poliiovyi, D. O. Sensors Based on Conducting Polyaminoarenes to Control the Animal Food Freshness // Molecular Crystals and Liquid Crystals – 2008, 497, P. 586-592.</p>	<p><a href="#">Scopus</a> <a href="#">та</a> <a href="#">Web of Science</a></p>

8	Яцик Богдан Миколайович	Shcherba I., Kostyk L., Noga H., Uskokovich D., Yatsyk B. X-ray spectra and electronic structure of the $\text{Ca}_3\text{Ga}_2\text{Ge}_3\text{O}_{12}$ compound. // Solid State Sciences, 2017.	Scopus
		Shcherba I.D., Yatsyk B.M. Peculiarities of the valence state of Ce and Yb in $\text{RN}_4\text{Al}_8$ (R-rare earth; M-Cr, Mn, Fe, Cu). // Journal of Magnetism and Magnetic Materials – 1996. – 157/158. – P. 688-689.	Scopus
		Shcherba I.D., Gorelenko Yu.K., Yatsyk B.M. X-ray spectra and electronic structure of the compounds in the Zr-Co-Si System. // Physica Status Solidi (B) – 1996. – №198. – P. 761-767.	Scopus
		Shcherba I.D., Antonov V.M., Telychyn I.M., Dobrianska L.O., Jatsyk B.M. Electronic structure of $\text{YM}_2\text{P}_2$ (M=Ni, Ru, Pd) compounds. // Journal of Alloys and compounds – 1998. – №286. – P.56-60.	Scopus
		Shved M.M., Slabkovskii I.S., Yaremchenko N.Ya., Kozemchuk R.S., Yatsyk B.M. Change in electrical resistivity and thermo-emf during the deformation of iron saturated with hydrogen // Soviet Materials Science, 1976.	Scopus

Ректор



Стибель В.В.