

**Огляд цитування публікацій, які увійшли до роботи**

п.п	Назва статті (монографії), автори, назва видання, рік, том, сторінка або DOI	Кількість посилань, згідно бази даних		
		Web of Science	Scopus	Google Scholar
1	Electronic structures and origin of intrinsic luminescence in Bi-containing oxide crystals BiPO <sub>4</sub> , K <sub>3</sub> Bi <sub>5</sub> (PO <sub>4</sub> ) <sub>6</sub> , K <sub>2</sub> Bi(PO <sub>4</sub> )(MoO <sub>4</sub> ), K <sub>2</sub> Bi(PO <sub>4</sub> )(WO <sub>4</sub> ) and K <sub>5</sub> Bi(MoO <sub>4</sub> ) <sub>4</sub> . Hizhnyi, Y. A., Nedilko, S. G., Chornii, V. P., Slobodyanik, M. S., Zatovsky, I. V., & Terebilenko, K. V. (2014). Journal of alloys and compounds, 614, 420-435.	39	43	60
2	Synthesis, characterization and crystal structure of K <sub>2</sub> Bi(PO <sub>4</sub> )(MoO <sub>4</sub> ). Zatovsky, I. V., Terebilenko, K. V., Slobodyanik, N. S., Baumer, V. N., & Shishkin, O. V. Journal of Solid State Chemistry, 2006. 179(11), 3550-3555.	36	38	56
3	Structure of Biocompatible Coatings Produced from Hydroxyapatite Nanoparticles by Detonation Spraying, V. Nosenko, I.Vorona, I. Zatovsky, S. Lemishko, Prymak, N. Baran, S. Ishchenko, Nanoscale Research Letters, 2015, 10, Is.1., p. 1-7.	26	29	37
4	Composite material based on hydroxyapatite and multi-walled carbon nanotubes filled by iron: Preparation, properties and drug release ability. L. Sukhodub, L. Sukhodub, Y. Prylutsky, N. Strutynska, L. Vovchenko, V. Soroca, N. Slobodyanik/ Materials Science and Engineering C. 2018. - 93, - p. 606-614.	21	28	40
5	CoO <sub>x</sub> (OH) <sub>y</sub> /C nanocomposites <i>in situ</i> derived from Na <sub>4</sub> Co <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> P <sub>2</sub> O <sub>7</sub> as sustainable electrocatalysts for water splitting. I. V. Odynets, N. Strutynska, J. Li, W. Han, I. V. Zatovsky, N. I. Klyui. Dalton Trans., - 2018, - 47 – p.15703-15713	21	20	22
6	Copper(II), zinc(II) and copper(II)/zinc(II)-containing carbonate-substituted hydroxyapatite: synthesis, characterization and thermal behaviour. O. Livitska, I. Zatovsky, I. Nikolenko, N. Strutynska, N. Slobodyanik, Y. Prylutsky, M. Epple, O. Prymak, A. Byeda Mat.-wiss. u. Werkstofftech. 2016. 47. P. 2–3.	18	20	24
7	Preparation, Characterization, and Thermal Transformation of Poorly Crystalline Sodium- and Carbonate-Substituted Calcium Phosphate I. Zatovsky, N. Slobodyanik, A.Malyshenko, Eur. J. Inorg. Chem. 2015, - P. 622–629.	18	20	21
8	K <sub>2</sub> Bi(PO <sub>4</sub> )(WO <sub>4</sub> ) with a layered anionic substructure. Zatovsky, I. V., Terebilenko, K. V., Slobodyanik, N. S., Baumer, V. N., & Shishkin, O. V. Acta Crystallographica Section E: Structure Reports Online, 2006. 62(9), i193-i195.	17	16	20
9	Electronic Structure and Luminescence Spectroscopy of M'Bi(MoO <sub>4</sub> ) <sub>2</sub> (M'= Li, Na, K), LiY (MoO <sub>4</sub> ) <sub>2</sub> and NaFe(MoO <sub>4</sub> ) <sub>2</sub> Molybdates. Hizhnyi, Y., Nedilko, S. G., Chornii, V., Nikolaenko, T., Zatovsky, I. V., Terebilenko, K. V., & Boiko, R. Solid State Phenomena, 2013. 200, 114-122.	16	20	26

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10	CsMgPO <sub>4</sub> I.V. Zatovsky, V.N. Baumer, N.S.Slobodyanik, Acta Crystallogr., Sect. E. 2009. Vol. E65. P. i58.	15	18	25
11	New complex phosphates Cs <sub>3</sub> M <sup>II</sup> Bi(P <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> (M <sup>II</sup> -Ca, Sr and Pb): Synthesis, characterization, crystal and electronic structure Zatovsky I.V., Hizhnyi Y.A., Baumer V.N., Dalton Transactions , 2018, 47(7) , p. 2274-2284	15	17	19
12	Luminescence properties of the new complex La, BiVO <sub>4</sub> : Mo, Eu compounds as materials for down-shifting of VUV–UV radiation. Nedilko, S. G., Chukova, O., Chornii, V., Degoda, V., Bychkov, K., Terebilenko, K., & Slobodyanik, M. Radiation Measurements, 2016. 90, 282-286.	14	18	21
13	Terebilenko, K. V., Zatovsky, I. V., Slobodyanik, N. S., Phase relations in the system K <sub>2</sub> MoO <sub>4</sub> –KPO <sub>3</sub> –MoO <sub>3</sub> –Bi <sub>2</sub> O <sub>3</sub> : A new phosphate K <sub>3</sub> Bi <sub>5</sub> (PO <sub>4</sub> ) <sub>6</sub> . Domasevitch, K. V., Pushkin, D. V., Baumer, V. N., & Sudavtsova, V. S. Journal of Solid State Chemistry, 2007 180(12), 3351-3359.	13	17	26
14	Structural transformation of Bi <sub>1-x/3</sub> V <sub>1-x</sub> Mo <sub>x</sub> O <sub>4</sub> solid solutions for light-driven water oxidation. Terebilenko, K. V., Bychkov, K. L., Baumer, V. N., Slobodyanik, N. S., Pavliuk, M. V., Thapper, A., ... & Strelchuk, V. V. Dalton Transactions, 2016. 45(9), 3895-3904.	13	16	16
15	K <sub>2</sub> Ho(PO <sub>4</sub> )(WO <sub>4</sub> ). Terebilenko, K. V., Zatovsky, I. V., Baumer, V. N., Slobodyanik, N. S., & Shishkin, O. V. Acta Crystallographica Section E: Structure Reports Online, 2008. 64(11), i75-i75.	13	15	17
16	New nanostructured apatite-type (Na <sup>+</sup> , Zn <sup>2+</sup> , CO <sub>3</sub> <sup>2-</sup> )-doped calcium phosphates: preparation, mechanical properties and antibacterial activity N. Strutynska, O. Livitska, S. Prylutska, Y. Yumyna, P. Zelena, L. Skivka, A. Malysenko, L. Vovchenko, V. Strelchuk, Y. Prylutsky, N. Slobodyanik, Uwe Ritter. Journal of Molecular Structure – 2020 - 128932	13	14	17
17	The whitlockite-related phosphate Ca <sub>9</sub> Cr(PO <sub>4</sub> ) <sub>7</sub> Acta Crystallogr., Sect. E. – 2007. – Vol. E63. – P. i180–i181. I.V. Zatovsky, V.N. Baumer, O.V. Shishkin,	13	12	-
18	Structure and magnetic properties of AgFeP <sub>2</sub> O <sub>7</sub> . Terebilenko, K. V., Kirichok, A. A., Baumer, V. N., Sereduk, M., Slobodyanik, N. S., & Gütlich, P. J Sol St Chem, 2010, 183(6), 1473-1476.	12	12	16
19	K <sub>2</sub> MIII <sub>2</sub> (MVIO <sub>4</sub> )(PO <sub>4</sub> ) <sub>2</sub> (MIII= Fe, Sc; MVI= Mo, W), Novel Members of the Lagbeinite-Related Family: Synthesis, Structure, and Magnetic Properties. Slobodyanik, N. S., Terebilenko, K. V., Ogorodnyk, I. V., Zatovsky, I. V., Seredyuk, M., Baumer, V. N., & Gütlich, P. Inorganic Chemistry, 2012. 51(3), 1380-1385.	12	13	19
20	EPR study of radiation-induced defects in carbonate-containing hydroxyapatite annealed at high temperature. I.P. Vorona, N. Strutynska, V.V. Nosenko, N.P. Baran, S.S. Ishchenko, S.V. Lemishko, I.V. Zatovsky, Radiation Measurements –2016. – V. 87. – P.49-55.	12	12	15

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21	Luminescence spectroscopy of Ln-doped Bi-containing phosphates and molybdates. Hizhnyi, Y., Chornii, V., Nedilko, S., Slobodyanik, M., Terebilenko, K., Boyko, V., ... & Sheludko, V. Radiation Measurements, 2016. 90, 314-318.	11	13	17
22	Peculiarity of formation of the NASICON-related phosphates in the space group R3 <sub>2</sub> : synthesis and crystal structures of Na <sub>4</sub> M <sup>II</sup> Al(PO <sub>4</sub> ) <sub>3</sub> (M <sup>II</sup> -Mg, Mn) Zatovsky, IV Strutynska, NY; Odynets, Structural Chemistry 2016. Vol. 27, Is. 1. P. 323-330.	11	-	-
23	Synthesis and characterization of phosphates in the pseudo-ternary melted systems Cs <sub>2</sub> O-P <sub>2</sub> O <sub>5</sub> -M <sup>II</sup> O (M <sup>II</sup> -alkaline earth) Zatovsky, IV; Strutynska, N; Shishkin, OV Cryst. Res. Technol. 2008. Vol. 43, №4. P. 362–3116.	11	-	-
24	Luminescence spectroscopy and electronic structure of ZrP <sub>2</sub> O <sub>7</sub> and KZr <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> crystals. Hizhnyi, Y., Chornii, V., Nedilko, S., Slobodyanik, M., Zatovsky, I., Terebilenko, K., & Boyko, V. Radiation measurements, 2013, 56, 397-401.	10	16	20
25	Influence of fluorination on structure and luminescence of ZrO <sub>2</sub> : Eu nanocrystals. Chornii, V., Nedilko, S. G., Miroshnichenko, M., Terebilenko, K., & Slobodyanik, M. Materials Research Bulletin, 2017. 90, 237-243.	10	10	10
26	The double phosphates M <sup>I</sup> M <sup>II</sup> PO <sub>4</sub> (M <sup>I</sup> – Na, K; M <sup>II</sup> – Mg, Mn, Co, Ni, Zn) – synthesis from chloride melts and characterization O. V. Livitska, I.V. Zatovsky, N.S. Slobodyanik, Cryst. Res. Technol. – 2015. – Vol. 50, №8. – P. 626–632.	7	9	7
27	Structural and optical properties of langbeinite-related red-emitting K <sub>2</sub> Sc <sub>2</sub> (MoO <sub>4</sub> )(PO <sub>4</sub> ) <sub>2</sub> : Eu phosphors. Terebilenko, K. V., Nedilko, S. G., Chornii, V. P., Prokopets, V. M., Slobodyanik, M. S., & Boyko, V. V.// RSC Advances. – 2020. – Vol. 10. – №. 43. – P. 25763-25772.	7	8	9
28	Spectroscopic studies of polycrystalline NaAl (MoO <sub>4</sub> ) <sub>2</sub> : Cr <sup>3+</sup> compound as new material for micro-and nano-sized cryogenic fluorescence thermometer. Hizhnyi, Y., Nedilko, S., Chornii, V., Nagorny, P., Boiko, R., Slobodyanik, M., & Terebilenko, K. Sensor Letters, 2010. 8(3), 425-430.	7	9	9
29	Synthesis, crystal structure, luminescence and electronic band structure of K <sub>2</sub> BiZr(PO <sub>4</sub> ) <sub>3</sub> phosphate compound. Chornii, V., Hizhnyi, Y., Nedilko, S. G., Terebilenko, K., Zatovsky, I., Ogorodnyk, I., & Boyko, V. Solid State Phenomena, 2015. 230, 55-61.	-	7	9
30	Luminescence spectroscopy and electronic structure of Eu <sup>3+</sup> -doped Bi-containing oxide compounds. Nedilko, S., Chornii, V., Hizhnyi, Y., Scherbatskyi, V., Slobodyanik, M., Terebilenko, K., Sheludko, V. Functional materials. 2013.	7	9	13
31	Synthesis and characterization of phosphates in molten systems Cs <sub>2</sub> O-P <sub>2</sub> O <sub>5</sub> CaO-M <sup>III</sup> <sub>2</sub> O <sub>3</sub> (M <sup>III</sup> -Al, Fe, Cr) I.V. Zatovsky, V.N. Baumer, N.S.Slobodyanik, Journal of Solid State Chemistry 2011 - 184 705–711.	7	9	-

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32	Partial Substitution of Potassium with Sodium in the $K_2Ti_2(PO_4)_3$ Langbeinite-Type Framework: Synthesis and Crystalline Structure of $K_{1.75}Na_{0.25}Ti_2(PO_4)_3$ . I.Zatovsky, N. Strutynska, Y.Hizhnyi, S.Nedilko, N.Slobodyanik, N.S.Klyui <i>Chemistry Open</i> . 2018. - 7. p 504 – 512.	7	8	13
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34	Caesium calcium cyclo-triphosphate, $CsCaP_3O_9$ I.V. Zatovsky, V.N. Baumer, N.S. Slobodyanik, <i>Acta Crystallogr., Sect. E.</i> 2006. – Vol. E62. – P. i263–i265.	5	5	7
35	Rietveld refinement of whitlockite-related $K_{0.8}Ca_{9.8}Fe_{0.2}(PO_4)_7$ <i>Acta Crystallographica Section E: Structure Reports Online</i> 2010, 66, Is 5, P. i41-i4214 Zatovsky, I.V., Ogorodnyk, I.V.; Strutynska, N.Yu.; Slobodyanik, N. S.; Sharkina, N. O.	5	-	4
36	Flux Synthesis, Monoclinic Structure, and Luminescence of Europium (III)-Doped $K_3La(PO_4)_2$ , Terebilenko, K. V., Kyselov, D. V., Baumer, V. N., Slobodyanik, M. S., Petrenko, O. V., Khomenko, O. V., & Dotsenko, V. P.// <i>Crystal Research and Technology</i> . 2018. T. 53. №. 10. – C. 1800158.	5	5	9
37	Phase relations in the $K_2W_2O_7$ – $K_2WO_4$ – $KPO_3$ – $Bi_2O_3$ system and structure of $K_6.5Bi_2.5W_4P_6O_{34}$ . Terebilenko, K. V., Zatovsky, I. V., Baumer, V. N., Ogorodnyk, I. V., Slobodyanik, N. S., & Shishkin, O. V. <i>Journal of Solid State Chemistry</i> , 2008. 181(9), 2393-2400.	5	7	9
38	Effect of isovalent substitution on the crystal structure and properties of two-slab indates $BaLa_{2-x}Sm_xIn_2O_7$ Titov, Y. Belyavina, N.;Slobodyanik, M.;Nakonechna, O., Strutynska, N.;Tymoshenko, M., <i>Open Chemistry</i> 2020, 18(1) P. 1294 - 13031	5		4
39	$Cs_2Bi(PO_4)(WO_4)$ . Terebilenko, K. V., Zatovsky, I. V., Baumer, V. N., & Slobodyanik, N. S. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009. 65(9), i67-i67.	4	5	5
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42	The triple pyrophosphate $Cs_3CaFe(P_2O_7)_2$ , V.N. Baumer, I.V. Zatovsky, A.A. Babaryk, <i>Acta Crystallogr., Sect. C.</i> – 2010. – Vol. C66, – P. i39-i41	4	6	9

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43	Interaction in the molten system $\text{Rb}_2\text{O}-\text{P}_2\text{O}_5-\text{TiO}_2-\text{NiO}$ . Crystal structure of the langbeinite-related $\text{Rb}_2\text{Ni}_{0.5}\text{Ti}_{1.5}(\text{PO}_4)_3$ M.A.Bondarenko I.V. Ogorodnyk, I. V. Zatovsky, Cryst. Res. Technol., 2015., 50, Is.7, P. 549–555.	4	5	11
44	A novel $\text{In}_3\text{O}_{16}$ fragment in $\text{Cs}_3\text{In}_3(\text{PO}_4)_4$ I.V. Zatovsky, V.N. Baumer, N.S. Slobodyanik, Acta Crystallogr., Sect. C. – 2010. – Vol. C66, – P. i71-i74	4	5	5
45	Immobilization of cesium from aqueous solution using nanoparticles of synthetic calcium phosphates. O. Livitska, N. Strutynska, K. Loza, O. Prymak, Y. Prylutsky, O. Livitska, N. Slobodyanik / Chemistry Central Journal. 2018. - 12. Article number 87.	4	3	6
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47	Synthesis and luminescence properties of $\text{Pr}^{3+}$ -doped $\text{BiPO}_4$ polycrystals, V. P., Chornii, S. G., Nedilko, K. L., Bychkov, K. V., Terebilenko, M. S., Slobodyanik, V. V. Boyko // Acta Physica Polonica A. 2018. V. 133. P. 843-846.	3	6	7
48	Synthesis and luminescence properties of $\text{KBi}(\text{MoO}_4)_2:\text{Eu}^{3+}$ . Terebilenko, K., Miroshnichenko, M., Tokmenko, I., Chornii, V., Hizhnyi, Y., Nedilko, S., & Slobodyanik, N. Solid State Phenomena, 2015. 230, 160-165.	-	6	9
49	Single Crystals of $\text{KRE}(\text{MoO}_4)_2$ (RE–Ce, Pr) Obtained from Fluorides: Scheelite-Related Structure and Luminescence. Terebilenko, K. V., Bychkov, K. L., Klymyshyna, K. E., Baumer, V. N., Slobodyanik, M. S., Khomenko, E. V., & Dotsenko, V. P. Crystal Research and Technology, 2017. 52(12), 1700222.	3	4	6
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51	Peculiarity of formation of the NASICON-related phosphates in the space group $\text{R}\bar{3}2$ : synthesis and crystal structures of $\text{Na}_4\text{M}^{\text{II}}\text{Al}(\text{PO}_4)_3$ ( $\text{M}^{\text{II}}$ –Mg, Mn). Zatovsky, I.V. N. Strutynska, I. V. Ogorodnyk, V. N. Baumer, N.S. Slobodyanik M.M. Yatskin, I.V. Odynets Structural Chemistry - 2016. – Vol. 27, Is. 1. –P. 323-330.	3	13	16
52	Effect of size factor on the Ruddlesden-Popper single-slab compounds structure features Y. Titov, N. Belyavina, M. Slobodyanik, O.Nakonechna, N. Strutynska, French-Ukrainian J. Chem. – 2019 – V.7, - p. 10-15	3	-	6
53	Influence of nanoscale-modified apatite-type calcium phosphates on the biofilm formation by pathogenic microorganisms. I.Grynyuk, O.Vasyliuk, S.Prylutska, Open Chemistry, - 2021, - 19 (1) –p. 39–48	2	4	4
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55	Synthesis and luminescence of europium (III)-doped potassium calcium pyrophosphate: Synthese und Lumineszenz von Europium (III)-dotiertem Kalium-Calciumpyrophosphat. Terebilenko, K. V., Slobodyanik, N. S., Dotsenko, V. P., & Khomenko, O. V. <i>Materialwissenschaft und Werkstofftechnik</i> , 2016. 47(2-3), 133-138.	2	3	2
56	Effect of structure on the luminescent characteristics of complex oxide compounds of bismuth (III) doped with europium (III). Terebilenko, K. V. <i>Theoretical and Experimental Chemistry</i> , 2015. 50, 352-357.	2	2	3
57	Possibility of application of $ZrP_2O_7$ and $KZr_2(PO_4)_3$ intrinsic luminescence for monitoring of $\gamma$ -irradiation. Nedilko, S., Hizhnyi, Y., Chornii, V., Zatovsky, I., Slobodyanik, N., Terebilenko, K., Sheludko, V. <i>Sensor Letters</i> , 2013. 11(10), 1937-1944.	2	4	5
58	Crystal growth, layered structure and luminescence properties of $K_2Eu(PO_4)(WO_4)$ , Terebilenko K.V., V.P. Chornii, V.O. Zozulia, S.G. Nedilko, M.S. Slobodyanik, <i>RSC Advances</i> . 2022 12(15), P. 8901–8907.	2	3	6
59	Synthesis, characterization and antimicrobial properties of chemically modified apatite-related calcium phosphates, O.V. Livitska, N.Y. Strutynska, O.M. Vasyliuk, I.I. Grynyuk, S.V. Prylutska, <i>Functional materials</i> , 2020, 1, 185	2	1	1
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61	Electronic structure and VUV spectroscopy of bismuth-containing phosphate-tungstate crystals. Hizhnyi, Y., Nedilko, S., Chornii, V., Terebilenko, K., Zatovsky, I., & Boyko, V. In <i>International Conference on Oxide Materials for Electronic Engineering-fabrication, properties and applications (OMEE-2014)</i> (pp. 170-171). IEEE. 2014	1	-	-
62	Influence of isostructural substitution of gadolinium by europium(III) on the luminescent properties of $K_3Gd(PO_4)_2:Eu$ K. V. Terebilenko, V. P. Chornii, A. V. Lysenko, O. V. Petrenko, S. G. Nedilko, M. S. Slobodyanik <i>Theoretical and Experimental Chemistry</i> . 2021. V. 57. P. 121–125.	1	-	1
63	Novel Whitlockite/Alginate/ $C_{60}$ Fullerene Composites: Synthesis, Characterization and Properties for Medical Application N.Y. Strutynska, I.I. Grynyuk, O.M. Vasyliuk, S.V. Prylutska, L.L. Vovchenko, <i>Arabian Journal for Science and Engineering</i> , 2022, 47 (6), 7093-7104	1	3	
64	The alternative approach to the preparation of complex calcium phosphates and their characterization. N. Strutynska, O. Livitska, O. Livitska N. Slobodyanik <i>Functional Materials</i> . – 24, №3 – 2017 – p. 457-462.	1	3	1

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65	Synthesis and crystal structure of two-slab $Ba_{1-x}Sr_xNd_2In_2O_7$ indates, Y.A. Titov, N.N. Belyavina, M.S. Slobodyanik, O.I. Nakonechna, N.Y. Strutynska, Physics and Chemistry of Solid State 2022, 23 (2), 375-379	1	1	3
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1	2	3	4	5
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	<b>Загальна кількість цитувань</b>	550	665	803
	<b>h-індекс робіт</b>	13	15	17