

2022 рік

Публікації Інституту загальної та неорганічної хімії ім. В.І. Вернадського НАН України у виданнях, які індексуються у міжнародних наукометричних базах даних

№ п/п Вид публікації	Публікація	Код бюджетної програми, в межах якої підготовлена публікація	Наукометрична база даних, в якій проіндексовано журнал	Квартіль наукового журналу (Q) для статей	Адреса публікації
1	2	3	4	5	6
1 розділ монографії	Novoselova I.A., Kuleshov S.V., Omelchuk A.A. Electrochemical CO ₂ conversion. Chapter 6 in the book: « <i>Carbon dioxide utilization to Sustainable Energy and Fuels</i> » / Eds.: Inamuddin et al. – Switzerland, Cham: Springer Nature Switzerland AG, 2022	6541030	Scopus		https://doi.org/10.1007/978-3-030-72877-9_6
2 розділ монографії	Dzyazko Yu., Omel'chuk A. Porous Ionic Polymers. Chapter in the book: « <i>Porous Polymer Science and Applications</i> » / Eds: Inamuddin et al. – Boca Raton: CRC Press, 2022.	6541230	Scopus		https://doi.org/10.1201/9781003169604
3 стаття	Sarnatskaya, V.; Shlapa, Y.; Lykhova, A.; Briieva, O.; Prokopenko, I.; Sidorenko, A.; Solopan, S.; Kolesnik, D.; Belous, A.; Nikolaev, V., Structure and biological activity of particles produced from highly activated carbon adsorbent. <i>Heliyon</i> 2022, 8 (3), 1-16.	6541030	Scopus	Q1	https://doi.org/10.1016/j.heliyon.2022.e09163
4 стаття	Torchyniuk, P.V; V'yunov, O.I; Ishchenko, A.A; Kurdyukova, I.V; Belous. A.G, Synthesis of Organic-Inorganic Perovskite CH ₃ NH ₃ PbI ₃ using Dimethyl Sulfoxide (DMSO) Solvent. <i>Engineered Science</i> 2022, 17, 156-166.	6541030	Scopus	Q1	https://doi.org/10.30919/es8d541
5 стаття	S.S.Fomanyuk , V.S.Vorobets , I.A.Rusetskyi , G.Ya.Kolbasov , V.O.Smilyk , M.O.Danilov . Photoelectrochemical determination of Pb ²⁺ by	6541030	Scopus	Q1	https://doi.org/10.1016/j.jelechem.2022.116600/

	combined electrochemical-chemical precipitations of PbI ₂ films. Journal of Electroanalytical Chemistry V. 920, (2022)				
6 стаття	Yapontseva Yu., Kublanovsky V., Maltseva T., Gorobets O., Gerasimenko R., Troshchenkov Yu., Vyshnevskiy O. Effect of Magnetic Field on Electrodeposition and Properties of Cobalt Superalloys . <i>Journal of The Electrochemical Society</i> . 2022. 169 (6). P. 062507	6541030	Scopus	Q1	DOI: 10.1149/1945-7111/ac7898
7 стаття	Yapontseva Yu., Kublanovsky V., Maltseva T., Gorobets O., Gerasimenko R., Gerasimenko S., Gorobets Yu., Troshchenkov Yu., Vyshnevskiy O. Modeling of the Impact of Convection and Magnetic Field onto Electrodeposition and Functional Properties of CoRe Alloys . <i>The Journal of Physical Chemistry C</i> . 2022.	6541030	Scopus	Q1	doi.org/10.1021/acs.jpcc.2c00445
8 стаття	Rudenko V., Tolochko A., Zhulai D., Bugaychuk S., Klimusheva G., Yaremchuk G., Mirnaya T., Garbovskiy Y. Intensity-dependent optical nonlinearities of composite materials made of ionic liquid crystal glass and bimetallic nanoparticles. <i>Liquid Crystals</i> . 2022.	6541030	Scopus	Q1/Q2	https://doi.org/10.1080/02678292.2022.2127952
9 стаття	Rudenko V., Tolochko A., Bugaychuk S., Zhulai D., Klimusheva G., Yaremchuk G., Mirnaya T., Garbovskiy Y. Probing optical nonlinearities of unconventional glass nanocomposites made of ionic liquid crystals and bimetallic nanoparticles. <i>Nanomaterials</i> . 2022.- V.12, № 6. - P.924-937.	6541030	Scopus	Q1/Q2	https://doi.org/10.3390/nano12060924 .
10 стаття	Perlova O.V., Dzyazko Y.S., Palchik O.V., Martovyi I.S. Hydrated titanium dioxide modified with potassium cobalthexacyanoferrate (II) for sorption of cationic and anionic complexes of uranium (VI) . <i>Appl Nanosci</i> . 2022. V. 12, № 3. P. 651-663.	6541030	Scopus, WoS,	Q1/Q2	https://doi.org/10.1007/s13204-021-01721-x
11 стаття	L.M. Rozhdestvenska, M.O. Chaban, Yu. S. Dzyazko, O.V. Palchik, O.G. Dzyazko. Formation of lithium-	6541030	Scopus, WoS	Q1/Q2	https://doi.org/10.1007/s13204-021-01832-5

	selective sorbent in nanoreactors of the support based on titanium dioxide. <i>Appl Nanosci.</i> 2022. V. 12, № 4. P. 1112-1122.				
12 стаття	Kudelko K., Rozhdestvenskaya L., Ogenko V., Chmilenko V. Formation and characterization of porous anodized aluminum oxide, synthesized electrochemically in the presence of graphene oxide. <i>Appl Nanosci.</i> 2022. V. 12, № 6. P.1967–1976.	6541030	Scopus, WoS	Q1/Q2	https://doi.org/10.1007/s13204-022-02457-y
13 стаття	Yu.S. Dzyazko, L.M. Rozhdestvenska, K.O. Kudelko, I.V. Fedina, L.M. Ponomaryova, G.M. Nikovska, O.G. Dzyazko. Hydrate dironoxide embedded to natural zeolite: effect of nanoparticles and microparticles on sorption properties of composites. <i>Water, Air and Soil Pollutions.</i> 2022. V. 233, № 6.	6541030	Scopus, WoS,	Q1/Q2	https://doi.org/10.1007/s11270-022-05681-y
14 стаття	Svitlana I. Orysyk, Yurii L. Zborovskii, Viktor V. Orysyk, Liudmyla V. Garmanchuk, Polina V. Borovyk, Sviltana V. Shishkina, Olha Pavliuk, Vasyl I. Pekhnyo and Mykhailo V. Vovk. Synthesis, structural and spectral characteristics of novel n,π -chelate complexes of Pd(II) and Pt(II) with N-allylthioureas and their influence on the growth of spheroids cells MCF-7 and GGT activity. <i>Polyhedron</i> 2022, SSRN	6541030	Scopus	Q2	https://ssrn.com/abstract=4218765 or http://dx.doi.org/10.2139/ssrn.4218765
15 стаття	V.O. Smilyk , S.S. Fomanyuk , I.A. Rusetskyi , M.O. Danilov , G.Ya. Kolbasov . Electrochromism in CuWO_4 and WO_3 thin films synthesized by combined electrochemical and chemical methods. <i>Ionics.</i> V.28, P. 4011–4023 (2022).	6541030	Scopus	Q2	https://doi.org/10.1007/s11581-022-04607-2
16 стаття	Mengjie Huang, Haihang Wang, Gaohan Liu, Heng Wei, Jie Hu, Yao Wang, Xuezhong Gong, Sui Mao, Michail Danilov, Ihor Rusetskyi, Jianguo Tang. Excellent Photonic and Mechanical Properties of Macromorphic Fibers formed by Eu^{3+} -Complex-Anchored Unzipped Multi-walled Carbon Nanotubes, <i>Materials, Switzerland</i> 2022, 15(14), 4933	6541030	Scopus	Q2	https://doi.org/10.3390/ma15144933

17 стаття	Plutenko, T.; V'yunov, O.; Yanchevskii, O.; Fedorchuk, O.; Belous, A.; Plutenko, M., Effect of lithium substitution with sodium on electrical properties in La _{0.5} Li _{0.5-x} Na _x TiO ₃ and La _{0.67} Li _{0.2-y} Na _y Ti _{0.8} Al _{0.2} O ₃ solid solutions. <i>Solid State Communications</i> 2022, 343.	6541030	Scopus, WoS	Q2	https://doi.org/10.1016/j.ssc.2022.114663
18 стаття	Sova, K. Y.; Vakula, A.; Kalmykova, T.; Tarapov, S.; Petrushenko, S.; Belous, A.; Solopan, S., Low-temperature ferromagnetic resonance in bare and SiO ₂ coated La _{0.775} Sr _{0.225} MnO ₃ nanoparticles. <i>Low Temperature Physics</i> 2022, 48 (4), 330-335.	6541030	Scopus	Q3	https://doi.org/10.1063/10.0009738
19 стаття	Starchuk, Y.; Ivanichok, N.; Budzulyak I.; Sklepova S.; Popovych, O.; Kolkovskiy, P.; Rachiy, B., Electrochemical properties of nanoporous carbon material subjected to multiple chemical activation. <i>Fullerenes, Nanotubes and Carbon Nanostructures</i> 2022, 1, 1-6.	6541030	Scopus	Q3	https://doi.org/10.1080/1536383X.2022.2043285
20 стаття	Kolkovskiy, P.; Rachiy, B.; Ostafiyshuk, B.; Kolkovska, H.; Lisovskyy, R.; Vyshnevskiy, O., Synthesis and Electrochemical Properties of α and β Modifications of MnO ₂ for Supercapacitors Application. <i>Journal of Nano Research</i> 2022, 71, 111-119	6541030	Scopus	Q3	https://doi.org/10.4028/www.scientific.net/JNa-noR.71.111
21 стаття	Shevchenko, V. V.; Belous, A. G.; Stryutsky, A. V.; Kovalenko, L. L.; Klimenko, N. S.; Gumenna, M. A.; Pilipenko, A. M., Anomalous Increase in Ionic Conductivity in Peo-Containing System Segmented Polyurethane – Segmented Oligourethane with LiClO ₄ . <i>Theoretical and Experimental Chemistry</i> 2022, 57, 429-436.	6541030	Scopus	Q3	https://doi.org/10.1007/s11237-022-09712-x
22 стаття	Шевченко, В. В.; Гуменна, М. А.; Клименко, Н. С.; Стрюцький, О.В.; Трачевський, В.В.; Коваленко, Л.; Протонні олігосилсесквіоксанові дікатіонні іонні рідини з двома типами іонних центрів у органічному обрамленні <i>Теоретична та експериментальна хімія</i> 2022, 58 (2), 126-132.	6541030	Scopus	Q3	https://doi.org/10.1007/s11237-022-09732-7

23 стаття	Bosenko O.V., Kuleshov S.V., Bykov V.N., Omel'chuk A.O. Electrochemical reduction of tungsten(VI) oxide from a eutectic melt CaCl ₂ -NaCl under potentiostatic conditions. <i>J. Serb. Chem. Soc.</i> 2022. V.87, No 7-8. P. 879-889	6541030	Scopus, WoS	Q3	https://doi.org/10.2298/JSC211105008B
24 стаття	Shydlovska N.A., Zakharchenko S.M., Zakharchenko M.F., Mazurenko I.L., Kulida M.A. Physical and technical-economic aspects of modern methods of water treatment for thermal and nuclear power engineering. <i>Tekhnichna Elektrodynamika.</i> 2022. No 4. P. 69-77	6541030	Scopus	Q3	https://doi.org/10.15407/techned2022.04.069
25 стаття	Novoselova I.A., Omel'chuk A.A. Modern State and Prospects of Electrochemical CO ₂ Conversion in Molten Salts. <i>ECS Transactions.</i> 2022. V.109, No 14. P. 183-196	6541030	Scopus, WoS	Q3	https://doi.org/10.1149/10914.0183ecst
26 стаття	Sliusarchuk L.I., Zheleznova L.I., Kuleshov S.V., Trunova O.K. Mono- and heterocomplexes of Co(II), Nd(III) with oxalic acid and phenanthroline: synthesis, structure and thermal decomposition. <i>Voprosy khimii i khimicheskoi tekhnologii.</i> 2022. No. 3. P. 74-82	6541030	Scopus	Q3	https://doi.org/10.32434/0321-4095-2022-142-3-74-82
27 стаття	M.O. Danilov, G.I. Dovbeshko, I.A. Rusetskiy, U.K. Afonina, V.N. Byckov, O.P. Gnatyuk, S.S. Fomanyuk, G.Ya. Kolbasov, Thermochemical synthesis of graphite-like carbon nitride and its application. <i>Low Temperature Physics,</i> 2022, Vol. 48, No. 4	6541030	Scopus	Q3	https://link.springer.com/article/10.3103/S1068375522010094
28 стаття	Зайченко В.Н., Русецкий И.А. On the nature of the electric charge of electrolytic hydrogen bubbles and their role in the creation of forced electrolytic convection, <i>Magnetohydrodynamics,</i> 2021, V. 57, No.4	6541030	Scopus	Q3	
29 стаття	N.I. Romanovskaya, P.A. Manorik, V.S. Vorobets, G.Ya. Kolbasov, N.I. Ermokhina, Ya.V. Kishenya, S.A. Sotnik, P.S. Yaremov, A.V. Polishchuk. Photoelectrochemical and Electrocatalytic Behaviors of TiO₂ Nanostructures and TiO₂Au Nanocomposites: Effect of Synthesis Conditions.	6541030	Scopus	Q3	https://link.springer.com/article/10.3103/S1068375522010094

	<i>Surface Engineering and Applied Electrochemistry</i> , 2022, Vol. 58, No. 1, pp. 1–12				
30 стаття	Kovalenko, L. L.; V'yunov, O. I.; Plutenko, T. O.; Yanchevskii, O. Z.; Fedorchuk, O. P.; Bilous, A. G.; Stupin, Y. D., Synthesis and Electrophysical Properties of Ba(Ti, Sn)TiO ₃ and (Ba, Nd)TiO ₃ Solid Solutions. <i>Acta Physica Polonica A</i> 2022, 141 (4), 410-414.	6541030	Scopus	Q4	https://doi.org/10.12693/APhysPolA.141.410 .
31 стаття	Kolkovska, H.; Yaremiy, I.; Kolkovskyi, P.; Sklepova, S.; Rachiy, B.; Belous, A.; Halushchak, M., Electrochemical Properties of Hybrid Supercapacitors Formed Based on Carbon and ABO ₃ -Type Perovskite Materials. <i>Journal of Nano- and Electronic Physics</i> 2022, 14 (1-6)	6541030	Scopus	Q4	https://doi.org/10.21272/jnep.14(1).01020
32 стаття	Nosenko, V. V.; Vorona, I. P.; Lemishko, S. V.; Golovina, I. S.; Yukhymchuk, V. O.; Okulov, S. M.; Neimash, V. B.; Povarchuk, V. Y.; Solopan, S. O.; Belous, A. G., Enhancement of radiation-induced EPR signal in bioapatites. <i>Semiconductor Physics, Quantum Electronics & Optoelectronics</i> 2022, 25 (2), 173-178.	6541030	Scopus, WoS	Q4	https://doi.org/10.15407/spqe25.02.xxx
33 стаття	Іванічок, Н. Я.; Іванічок, О.; Колковський, П. І.; Рачій, Б.І.; Склепова, С.В.; Кулик Ю.О.; Бачук, В.В., Пориста структура вуглецевих матеріалів отриманих із шкарлупи волоських горіхів. <i>Physics and Chemistry of Solid State</i> 2022, 23 (1)	6541030	Scopus	Q4	https://doi.org/10.15330/pcss.23.1.172-178
34 стаття	Syniugina A., Chernii S., Losytskyu M., Ozkan H.G., Slominskii Yu, Syniugin A., Pekhnyo V., Mokhir A., Yarmoluk S. N-alkyl functionalized squaraine dyes as fluorescent probes for the detection of serum albumins. Accepted by <i>Biopolymers and Cell</i> , 2022 waiting to be published (Open Access)	6541030	Scopus, WoS,	Q4	DOI http://dx.doi.org/10.7124/bc.000A75
35 стаття	Yu. Dzyazko, Yu. Borysenko, Yu. Zmievskii, V. Zakharov, V. Myronchuk, E. Kolomiets. Organic-inorganic ion exchange materials for electromembrane processing of liquid wastes produced dairy industry. <i>Materials Today: Proceedings</i> . 2022. V.50. P. 496–501	6541030	Scopus,		https://doi.org/10.1016/j.matpr.2021.11.301

36 стаття	Yu. Dzyazko, L. Rozhdestveska, V. Ogenko, Yu. Borysenko, A. Bildukevich, T. Plisko, Y. Zmievskii. Polymer-inorganic membranes modified with graphene-containing composite: Electrochemical approach to investigations of functional properties. <i>Materials Today: Proceedings.</i> 2022. V.50. P. 507-513.	6541030	Scopus		https://doi.org/10.1016/j.matpr.2021.11.303
37 стаття	V.A. Diamant, R.V. Lavrik, D.L. Starokadomsky, S.V. Gryn, V.M. Ogenko. Synthesis and research of carbon nanodots and nanoparticles from activated carbon. <i>Him. Fiz. Tehnol. Poverhni.</i> 2022. V.13, N3. P.321-329	6541030	Scopus	Q4	https://doi.org/10.15407/hftp13.03.321
38 стаття	Perlova O.V., Dzyazko Yu. S., Malinovska A.A., Palchik A.V. Peculiarities of U(VI) sorption on composites containing hydrated titanium dioxide and potassium-cobalt hezacyanoferrate (II) <i>Him. Fiz. Tehnol. Poverhni.</i> 2021. V.12, №4. P.344-357	6541030	Scopus	Q4	https://doi.org/10.15407/hftp12.04.344
39 стаття	Гудименко А.М., Мальцева Т.В., Кублановский В.С. Исследование трехкомпонентной системы Al, Na, Li/Cl для натрий никель-хлоридных аккумуляторов. <i>Электронная обработка материалов.</i> 2022. 58(2). С. 81-85.	6541030	Scopus	Q3	doi.org/10.52577/eom.2022.58.2.81
40 стаття	Berezhnytska O.S., Savchenko I.O., Horbenko A.E., Rohovtsov O.O., Chygy-rynets O.E., Rusakova N.V., Trunova O.K. Luminescent properties of new monomer and metalopolymer complexes of Dy(III). <i>J. Optic Materials,</i> 2022	6541030	Scopus	Q1	прийнято до друку
41 стаття	Trunova O.K., Sliusarchuk L.I., Shtokvysh O.O., Makotryk T.O. Crystal structure and spectral properties of the heterometallic 3d-4f complex of gadolinium(III) – cobalt(II) with ethylenediamine-N,N,N',N'-tetraaceticacid. <i>J. Molec. Structure,</i> 2022	6541030	Scopus, WoS	Q2	прийнято до друку
42 стаття	Horbenko A.E., Savchenko I.O., Berezhnytska O.S., Smola S.S., Trunova O.K. New complexes of Gd(III) as precursor for luminescence materials. <i>Functional materials,</i> 2022	6541030	Scopus	Q3	прийнято до друку

43 стаття	Trunova O., Artamonov M., Babenko L., Smola S., Makotryk T. Synthesis and study of spectral-luminescent and biologically active properties of mixed ligand complexes of cobalt(II) and copper(II) with rutin and glycine. <i>J. Croatica Chemica Acta</i> 2022	6541030	Scopus	Q3	прийнято до друку
44 стаття	Berezhnytska O.S., Rohovtsov O.O., Khrokalo L.A., Trunova O.K., Semeniv V.I., Kamenska T.A. Polycarboxylic acids as effective reducing agents in the synthesis of noble metal nanoparticles. <i>Chem. Chem. Technol.</i> 2022	6541030	Scopus		прийнято до друку
45 стаття	Siposova, K.; Huntosova, V.; Garcarova, I.; Shlapa, Y.; Timashkov, I.; Belous, A.; Musatov, A., Dual-Functional Antioxidant and Anti-amyloid Cerium Oxide Nanoparticles Fabricated by Controlled Synthesis in Water-Alcohol Solutions. <i>Biomedicines</i> 2022, 10 (5), 942.	6541230	Scopus	Q1	https://doi.org/10.3390/biomedicines10050942
46 стаття	Shlapa, Y.; Solopan, S.; Sarnatskaya, V.; Siposova, K.; Garcarova, I.; Veltruska, K.; Timashkov, I.; Lykhova, O.; Kolesnik, D.; Musatov, A.; Nikolaev, V.; Belous, A., Cerium Dioxide Nanoparticles Synthesized via Precipitation at Constant pH: Synthesis, Physical-Chemical and Antioxidant Properties. <i>Colloids Surf. B Biointerface</i> 2022, 220, 112960.	6541230	Scopus	Q1	https://doi.org/10.1016/j.colsurfb.2022.112960
47 стаття	Yapontseva Yu., Maltseva T., Kublanovsky V., Vyshnevskiy O. Electrodeposition and properties of CoWRe alloys. <i>Journal of Materials Research</i> . 2022. 37(13). P. 2216-2224	6541230	Scopus	Q1	DOI:10.1557/s43578-022-00497-2
48 стаття	Aristova D., Selin R., Heil H.S., Kosach V., Slominsky Yu., Yarmoluk S., Pekhnyo V., Kovalska V., Henriques R., Mokhir A., Chernii S. Trimethine cyanine dyes as NA-sensitive probes for visualization of cell compartments in fluorescence microscopy. Accepted on November 24 in <i>ACS Omega</i> , 2022 (Open Access)	6541230	Scopus, WoS,	Q1	DOI:10.1021/acsomega.2c05231

49 стаття	Lisovskyi, I. V.; Solopan, S. O.; Belous, A. G.; Khomenko, V. G.; Barsukov, V. Z., An effective modification of $\text{LiNi}_0.6\text{CO}_0.2\text{Mn}_0.2\text{O}_2$ with $\text{Li}_{1.3}\text{Al}_0.3\text{Ti}_{1.7}(\text{PO}_4)_3$ as a high-performance cathode material for Li-ion batteries. <i>Journal of Applied Electrochemistry</i> 2022.	6541230	Scopus	Q2	https://doi.org/10.1007/s10800-022-01736-4
50 стаття	Nakonechna, O.; Lotey, G.; Kaur, J.; Bodnaruk, A.; Kalita, V.; Shlapa, Y.; Solopan, S.; Tovstolytkin, A., AC Field Threshold Effect as a Key Factor toward the Efficient Heating of Fluids with NaFeO_2 Magnetic Nanoparticles. Particle & Particle Systems Characterization 2022, 2200095.	6541230	Scopus	Q2	https://doi.org/10.1002/ppsc.202200095
51 стаття	Zamorskyi, V. O.; Solopan, S. O.; Belous, A. G.; Tovstolytkin, A. I., Features of Dispersion of Dimensional and Magnetic Parameters in Spinel Ferrite Nanoparticles. <i>Metallofizika I Noveishie Tekhnologii</i> 2022, 44 (1), 1-8.	6541230	Scopus	Q3	https://doi.org/10.15407/mfint.44.01.0001
52 стаття	Tovstolytkin, A. I.; Nakonechna, O. I.; Sharay, I. V.; Bodnaruk, A. V.; Bondar, O. V.; Kalita, V. M.; Ryabchenko, S. M.; Shlapa, Y. Y.; Solopan, S. O.; Belous, A. G., On Collective Interparticle Effects Underlying Unusual Coercive Behavior of Ensembles of Substituted Manganite Nanoparticles. <i>Acta Physica Polonica A</i> 2022, 141 (4), 351-355.	6541230	Scopus	Q4	https://doi.org/10.12693/APhysPolA.141.351