

Інформація щодо можливості створення спеціалізованих вчених рад за ОНП Хімія

№ п/п	Прізвище, ім'я, по батькові	Кафедра	Посада, науковий ступінь, вчене звання	Назва публікації SCOPUS і Web of Science (за останні 5 років).	Рік публікації
1.	Миронюк Іван Федорович	Кафедра хімії	Завідувач кафедри хімії, доктор хімічних наук, професор	<p>1. Danyliuk N., Mironyuk I., Tatarchuk T., Shyichuk A. Optimal H₂O₂ concentration in advanced oxidation over titanium dioxide photocatalyst. <i>Physics and Chemistry of Solid State</i>. 22, 1 (Feb. 2021), 73-79. https://doi.org/10.15330/pcss.22.1.73-79. (SCOPUS)</p> <p>2. Hanna Vasylyeva, Ivan Mironyuk, Igor Mykytyn, Khrystyna Savka, Equilibrium studies of yttrium adsorption from aqueous solutions by titanium dioxide. <i>Applied Radiation and Isotopes</i>, 2021, 168, 109473. https://doi.org/10.1016/j.apradiso.2020.109473 (SCOPUS)</p> <p>3. I.F. Myronyuk, V.O. Kotsyubynsky, V.M. Boychuk, I.M. Mykytyn, V.M. Gun'ko. Photocatalytic Properties of Sn-doped TiO₂. <i>J. Nano- Electron. Phys.</i> 13 No 1, 01001 (2021) https://doi.org/10.21272/jnep.13(1).01001</p>	2021
				<p>1. Ivan Mironyuk, Igor Mykytyn, Hanna Vasylyeva, Khrystyna Savka. Sodium-modified mesoporous TiO₂: Sol-gel synthesis, characterization and adsorption activity toward heavy metal cations. <i>Journal of Molecular Liquids</i> 316 (2020): 113840. https://doi.org/10.1016/j.molliq.2020.113840 (SCOPUS)</p> <p>2. I.F. Mironyuk, I. M. Mykytyn, O. Ye. Kaglyan, D. I. Gudkov, H. V. Vasylyeva. 90Sr adsorption from the aquatic environment of Chornobyl exclusion zone by chemically enhanced TiO₂. <i>Nucl. Phys. At. Energy</i> 2020, volume 21, issue 4, pages 347-353. https://doi.org/10.15407/jnpae2020.04.347</p> <p>3. Tetiana Tatarchuk, Ivan Mironyuk, Volodymyr Kotsyubynsky, Alexander Shyichuk, Mariana Myslin, Volodymyra Boychuk, Structure, morphology and adsorption properties of titania shell immobilized onto cobalt ferrite nanoparticle core, <i>Journal of Molecular Liquids</i>, Volume 297, 2020, 111757, https://doi.org/10.1016/j.molliq.2019.111757. (SCOPUS; IF = 4.561; Q1)</p> <p>4. Mironyuk I., Soltys L., Tatarchuk T., Tsinurchyn V. (2020). Ways to Improve the Efficiency of TiO₂-based Photocatalysts (Review). <i>Physics and Chemistry of Solid State</i>, 21(2), 300-311. https://doi.org/10.15330/pcss.21.2.300-311 (SCOPUS, WoS)</p> <p>5. Mironyuk I. F., Soltys L. M., Tatarchuk T. R., Savka K. O. (2020). Methods of Titanium Dioxide Synthesis (Review). <i>Physics and Chemistry of Solid State</i>, 21(3), 462-477. https://doi.org/10.15330/pcss.21.3.462-477 (SCOPUS, WoS)</p> <p>6. I.F. Mironyuk, T.R. Tatarchuk, V.O. Kotsyubynsky, V.I. Mandzyuk, Kh.O. Savka, I.M. Mykytyn. Structure, Morphology and Conductive Properties of Sn-doped TiO₂. <i>J. Nano- Electron. Phys.</i> 12 No 6, 06024 (2020), https://doi.org/10.21272/jnep.12(6).06024 (SCOPUS)</p>	2020

				<p>1. Ivan Mironyuk, Tetiana Tatarchuk, Hanna Vasylyeva, Mu. Naushad, Igor Mykytyn, Adsorption of Sr(II) cations onto phosphated mesoporous titanium dioxide: Mechanism, isotherm and kinetics studies, Journal of Environmental Chemical Engineering, Volume 7, Issue 6, 2019, 103430, https://doi.org/10.1016/j.jece.2019.103430. (SCOPUS; Q1)</p> <p>2. Tetiana Tatarchuk, Alexander Shyichuk, Ivan Mironyuk, Mu Naushad, A review on removal of uranium(VI) ions using titanium dioxide based sorbents, Journal of Molecular Liquids, 2019, 111563, https://doi.org/10.1016/j.molliq.2019.111563. (SCOPUS, IF = 4.561; Q1)</p> <p>3. I. Mironyuk, T. Tatarchuk, Mu. Naushad, H. Vasylyeva, I. Mykytyn, Highly efficient adsorption of strontium ions by carbonated mesoporous TiO₂, Journal of Molecular Liquids, 285 (2019) 742-753, https://doi.org/10.1016/j.molliq.2019.04.111 . (SCOPUS, IF = 4.51; Q1)</p> <p>4. I. Mironyuk, T. Tatarchuk, H. Vasylyeva, V. M. Gun'ko, I. Mykytyn, Effects of chemisorbed arsenate groups on the mesoporous titania morphology and enhanced adsorption properties towards Sr(II) cations, Journal of Molecular Liquids, 282 (2019) 587-597, https://doi.org/10.1016/j.molliq.2019.03.026. (SCOPUS, IF=4.51; Q1)</p> <p>5. I.F. Mironyuk, V.M. Gun'ko, H.V. Vasylyeva, O.V. Goncharuk, T.R. Tatarchuk, V.I. Mandzyuk, N.A. Bezruka, T.V. Dmytrotsa, Effects of enhanced clusterization of water at a surface of partially silylated nanosilica on adsorption of cations and anions from aqueous media, Microporous and Mesoporous Materials, Volume 277, 2019, Pages 95-104, https://doi.org/10.1016/j.micromeso.2018.10.016. (SCOPUS, IF=3.65; Q1)</p> <p>6. H. Vasylyeva, I. Mironyuk, I. Mykytyn, N. Danylyk. Adsorption of Barium and Zinc Ions by Mesoporous TiO₂ with Chemisorbed Carbonate Groups, Physics And Chemistry Of Solid State, V. 20, № 3 (2019) P. 282-290. http://journals.pu.if.ua/index.php/pcss/article/viewFile/3944/4081 (Web of Science)</p>	2019
				<p>1. V.O. Kotsyubynsky, I.F. Myronyuk, L.I. Myronyuk, V.L. Chelyadyn, M.H. Mizilevska, A.B. Hrubiak, O.K. Tadeush, F.M. Nizamutdinov. The effect of pH on the nucleation of titania by hydrolysis of TiCl₄ // Materialwissenschaft und Werkstofftechnik.- 2016.- V. 47, Iss. 2-3.- P. 288–294. http://onlinelibrary.wiley.com/doi/10.1002/mawe.201600491/full (SCOPUS)</p>	2018
2.	Шийчук Олександр Васильович	Кафедра хімії	Професор кафедри хімії, доктор хімічних наук, професор	<p>1. Tetiana Tatarchuk, Mariana Myslin, Ivanna Lapchuk, Alexander Shyichuk, Arun Prasad Murthy, Renata Gargula, Piotr Kurzydło, Bogdan F. Bogacz, Antoni T. Pędziwiatr, Magnesium-zinc ferrites as magnetic adsorbents for Cr(VI) and Ni(II) ions removal: Cation distribution and antistructure modeling, Chemosphere, Volume 270, 2021, 129414, https://doi.org/10.1016/j.chemosphere.2020.129414 (SCOPUS; IF = 5.778; Q1)</p> <p>2. Tetiana Tatarchuk, Alexander Shyichuk, Zbigniew Sojka, Joanna Gryboś, Mu.</p>	2021

			<p>Naushad, Volodymyr Kotsyubynsky, Maria Kowalska, Sylwia Kwiatkowska-Marks, Nazarii Danyliuk, Green synthesis, structure, cations distribution and bonding characteristics of superparamagnetic cobalt-zinc ferrites nanoparticles for Pb(II) adsorption and magnetic hyperthermia applications, Journal of Molecular Liquids, Volume 328, 2021, 115375, https://doi.org/10.1016/j.molliq.2021.115375. (SCOPUS; IF = 5.065; Q1)</p> <p>3. Danyliuk N., Mironyuk I., Tatarchuk T., Shyichuk A. Optimal H₂O₂ concentration in advanced oxidation over titanium dioxide photocatalyst. Physics and Chemistry of Solid State. 22, 1 (Feb. 2021), 73-79. https://doi.org/10.15330/pcss.22.1.73-79. (SCOPUS)</p> <p>4. Tatarchuk T., Myslin M., Lapchuk I., Olkhovyy O., Danyliuk N., Mandzyuk V. Synthesis, structure and morphology of magnesium ferrite nanoparticles, synthesized via “green” method. Physics and Chemistry of Solid State. 22, 2 (Apr. 2021), 195-203. https://doi.org/10.15330/pcss.22.2.195-203. (SCOPUS)</p>	
			<p>1. Tetiana Tatarchuk, Alexander Shyichuk, Ilona Trawczyńska, Ivan Yaremiy, Antoni T. Pędziwiatr, Piotr Kurzydło, Bogdan F. Bogacz, Renata Gargula, Spinel cobalt(II) ferrite-chromites as catalysts for H₂O₂ decomposition: Synthesis, morphology, cation distribution and antistructure model of active centers formation, Ceramics International, Volume 46, Issue 17, 2020, Pages 27517-27530, https://doi.org/10.1016/j.ceramint.2020.07.243. (SCOPUS; IF = 3.45; Q1)</p> <p>2. Danyliuk N., Tatarchuk T., Shyichuk A. (2020). Estimation of photocatalytic degradation rate using smartphone based analysis. Physics and Chemistry of Solid State, 21(4), 727-736. https://doi.org/10.15330/pcss.21.4.727-736 (SCOPUS, WoS)</p> <p>3. Danyliuk N. V., Tatarchuk T. R., Shyichuk A. V. (2020). Batch microreactor for photocatalytic reactions monitoring. Physics and Chemistry of Solid State, 21(2), 338-346. https://doi.org/10.15330/pcss.21.2.338-346 (SCOPUS, WoS)</p> <p>4. Tetiana Tatarchuk, Alexander Shyichuk, Jan Lamkiewicz, Joanna Kowalik, Inversion degree, morphology and colorimetric parameters of cobalt aluminate nanopigments depending on reductant type in solution combustion synthesis, Ceramics International, Volume 46, Issue 10, Part A, 2020, Pages 14674-14685, https://doi.org/10.1016/j.ceramint.2020.02.269. (SCOPUS; IF = 3.45; Q1)</p> <p>5. Tetiana Tatarchuk, Ivan Mironyuk, Volodymyr Kotsyubynsky, Alexander Shyichuk, Mariana Myslin, Volodymyra Boychuk, Structure, morphology and adsorption properties of titania shell immobilized onto cobalt ferrite nanoparticle core, Journal of Molecular Liquids, Volume 297, 2020, 111757, https://doi.org/10.1016/j.molliq.2019.111757. (SCOPUS; IF = 4.561; Q1)</p>	2020
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				<ol style="list-style-type: none"> 2. T. Tatarчук, N. Paliychuk, R. B. Bitra, A. Shyichuk, Mu. Naushad, I. Mironyuk, D. Ziolkovska, Adsorptive removal of toxic Methylene blue and Acid Orange 7 dyes from aqueous medium using cobalt-zinc ferrite nanoadsorbents, <i>Desalination and Water Treatment</i> 150 (2019) 374–385, https://doi.org/10.5004/dwt.2019.23751 (SCOPUS, IF=1.38; Q3) 3. T. Tatarчук, N. Paliychuk, M. Pacia, W. Kaspera, W. Macyk, A. Kotarba, B. F. Bogacz, A. T. Pędziwiatr, I. Mironyuk, R. Gargula, P. Kurzydło, A. Shyichuk, Structure–redox reactivity relationships in Co_{1-x}Zn_xFe₂O₄: the role of stoichiometry, <i>New J. Chem.</i> 43 (2019) 3038-3049, https://doi.org/10.1039/C8NJ05329D (SCOPUS, IF=3.24; Q2) 	
				<ol style="list-style-type: none"> 1. T.R. Tatarчук, N.D. Paliychuk, M. Bououdina, B. Al-Najar, M. Pacia, W. Macyk, A. Shyichuk, Effect of cobalt substitution on structural, elastic, magnetic and optical properties of zinc ferrite nanoparticles, <i>Journal of Alloys and Compounds</i> (2018) 731: 1256-1266, https://doi.org/10.1016/j.jallcom.2017.10.103 (SCOPUS, IF=4.175, Q1) 2. Ziółkowska, D., Syrotynska, I., Shyichuk, A., Kutsevol, N. Comparison of Metachromatic Dyes Used for Determination of Surfactants by Means of Photometric Titration (2018) <i>Molecular Crystals and Liquid Crystals</i>, 672 (1), pp. 142-149. 3. Ziółkowska, D., Lamkiewicz, J., Shyichuk, A. Determination of Sodium Dodecyl Sulfate by Means of Photometric Titration with o-Toluidine Blue Dye (2018) <i>Journal of Surfactants and Detergents</i>, 21 (5), pp. 751-756. 4. Błaszak, B., Gozdecka, G., Shyichuk, A. Carrageenan as a functional additive in the production of cheese and cheese-like products (2018) <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i>, 17 (2), pp. 107-116. 	2018
3.	Татарчук Тетяна Романівна	Кафедра хімії	Доцент кафедри хімії, кандидат хімічних наук, доцент	<ol style="list-style-type: none"> 1. Tetiana Tatarчук, Mariana Myslin, Ivanna Lapchuk, Alexander Shyichuk, Arun Prasad Murthy, Renata Gargula, Piotr Kurzydło, Bogdan F. Bogacz, Antoni T. Pędziwiatr, Magnesium-zinc ferrites as magnetic adsorbents for Cr(VI) and Ni(II) ions removal: Cation distribution and antistructure modeling, <i>Chemosphere</i>, Volume 270, 2021, 129414, https://doi.org/10.1016/j.chemosphere.2020.129414 (SCOPUS; IF = 5.778; Q1) 2. Lotfi Sellaoui, Michael Badawi, Antonio Monari, Tetiana Tatarчук, Sonia Jemli, Guilherme Luiz Dotto, Adrian Bonilla-Petriciolet, Zhuqi Chen, Make it clean, make it safe: A review on virus elimination via adsorption, <i>Chemical Engineering Journal</i>, Volume 412, 2021, 128682, https://doi.org/10.1016/j.cej.2021.128682. (SCOPUS; IF = 10.652; Q1) 3. Tetiana Tatarчук, Alexander Shyichuk, Zbigniew Sojka, Joanna Gryboś, Mu. Naushad, Volodymyr Kotsyubynsky, Maria Kowalska, Sylwia Kwiatkowska-Marks, Nazarii Danyliuk, Green synthesis, structure, cations distribution and bonding characteristics of superparamagnetic cobalt-zinc ferrites nanoparticles for Pb(II) 	2021

				<p>adsorption and magnetic hyperthermia applications, Journal of Molecular Liquids, Volume 328, 2021, 115375, https://doi.org/10.1016/j.molliq.2021.115375. (SCOPUS; IF = 5.065; Q1)</p> <p>4. Danyliuk N., Mironyuk I., Tatarchuk T., Shyichuk A. Optimal H2O2 concentration in advanced oxidation over titanium dioxide photocatalyst. Physics and Chemistry of Solid State. 22, 1 (Feb. 2021), 73-79. https://doi.org/10.15330/pcss.22.1.73-79. (SCOPUS)</p> <p>5. Tatarchuk T., Myslin M., Lapchuk I., Olkhovyy O., Danyliuk N., Mandzyuk V. Synthesis, structure and morphology of magnesium ferrite nanoparticles, synthesized via “green” method. Physics and Chemistry of Solid State. 22, 2 (Apr. 2021), 195-203. https://doi.org/10.15330/pcss.22.2.195-203. (SCOPUS)</p>	
				<p>1. Mironyuk I. F., Soltys L. M., Tatarchuk T. R., Savka K. O. (2020). Methods of Titanium Dioxide Synthesis (Review). Physics and Chemistry of Solid State, 21(3), 462-477. https://doi.org/10.15330/pcss.21.3.462-477 (SCOPUS, WoS)</p> <p>2. Mironyuk I., Soltys L., Tatarchuk T., Tsinurchyn V. (2020). Ways to Improve the Efficiency of TiO2-based Photocatalysts (Review). Physics and Chemistry of Solid State, 21(2), 300-311. https://doi.org/10.15330/pcss.21.2.300-311 (SCOPUS, WoS)</p> <p>3. I.F. Mironyuk , T.R. Tatarchuk, V.O. Kotsyubynsky , V.I. Mandzyuk , Kh.O. Savka, I.M. Mykytyn. Structure, Morphology and Conductive Properties of Sn-doped TiO2. J. Nano-Electron. Phys. 12, N. 6, 06024 (2020), https://doi.org/10.21272/jnep.12(6).06024 (SCOPUS)</p> <p>4. Danyliuk N., Tatarchuk T., Shyichuk A. (2020). Estimation of photocatalytic degradation rate using smartphone based analysis. Physics and Chemistry of Solid State, 21(4), 727-736. https://doi.org/10.15330/pcss.21.4.727-736 (SCOPUS, WoS)</p> <p>5. Tetiana Tatarchuk, Alexander Shyichuk, Iona Trawczyńska, Ivan Yaremiy, Antoni T. Pędziwiatr, Piotr Kurzydło, Bogdan F. Bogacz, Renata Gargula, Spinel cobalt(II) ferrite-chromites as catalysts for H2O2 decomposition: Synthesis, morphology, cation distribution and antistructure model of active centers formation, Ceramics International, Volume 46, Issue 17, 2020, Pages 27517-27530, https://doi.org/10.1016/j.ceramint.2020.07.243. (SCOPUS; IF = 3.45; , WoS Q1)</p> <p>6. Danyliuk N. V., Tatarchuk T. R., Shyichuk A. V. (2020). Batch microreactor for photocatalytic reactions monitoring. Physics and Chemistry of Solid State, 21(2), 338-346. https://doi.org/10.15330/pcss.21.2.338-346 (SCOPUS, WoS)</p> <p>7. Nazarii Danyliuk, Jolanta Tomaszewska, Tetiana Tatarchuk, Halloysite nanotubes and halloysite-based composites for environmental and biomedical applications, Journal of Molecular Liquids, Volume 309, 2020, 113077, https://doi.org/10.1016/j.molliq.2020.113077 . (SCOPUS; WoS IF = 4.561; Q1)</p>	<p>2020</p>

				<p>8. Tetiana Tatarchuk, Alexander Shyichuk, Jan Lamkiewicz, Joanna Kowalik, Inversion degree, morphology and colorimetric parameters of cobalt aluminate nanopigments depending on reductant type in solution combustion synthesis, <i>Ceramics International</i>, Volume 46, Issue 10, Part A, 2020, Pages 14674-14685, https://doi.org/10.1016/j.ceramint.2020.02.269. (SCOPUS; WoS IF = 3.45; Q1)</p> <p>9. Ioannis Anastopoulos, Ioannis Pashalidis, Alexios G. Orfanos, Ioannis D. Manariotis, Tetiana Tatarchuk, Lotfi Sellaoui, Adrián Bonilla-Petriciolet, Alok Mittal, Avelino Núñez-Delgado, Removal of caffeine, nicotine and amoxicillin from (waste)waters by various adsorbents. A review, <i>Journal of Environmental Management</i>, Volume 261, 2020, 110236, https://doi.org/10.1016/j.jenvman.2020.110236. (SCOPUS; WoS IF = 4.865; Q1)</p> <p>10. Tetiana Tatarchuk, Mariana Myslin, Ivan Mironyuk, Mohamed Bououdina, Antoni T. Pędziwiatr, Renata Gargula, Bogdan F. Bogacz, Piotr Kurzydło, Synthesis, morphology, crystallite size and adsorption properties of nanostructured Mg–Zn ferrites with enhanced porous structure, <i>Journal of Alloys and Compounds</i>, Volume 819, 2020, 152945, https://doi.org/10.1016/j.jallcom.2019.152945. (SCOPUS; WoS IF = 4.175; Q1)</p> <p>11. J. Theerthagiri, G. Durai, Tetiana Tatarchuk, M. Sumathi, P. Kuppusami, Jiaqian Qin, Myong Yong Choi, Synthesis of hierarchical structured rare earth metal-doped Co₃O₄ by polymer combustion method for high performance electrochemical supercapacitor electrode materials, <i>Ionics</i>, Volume 26, 2020, Pages 2051–2061, https://doi.org/10.1007/s11581-019-03330-9 (SCOPUS; , WoS IF = 2.289; Q1)</p> <p>12. L.M. Soltys, I.F. Mironyuk, T.R. Tatarchuk, V.I. Tsinurchyn, Zeolite-based Composites as Slow Release Fertilizers (Review), <i>Physics and Chemistry of Solid State</i>, Volume 21, Issue 1, 2020, Pages 89-104, https://doi.org/10.15330/pcss.21.1.89-104 (SCOPUS, WoS)</p> <p>13. Tetiana Tatarchuk, Ivan Mironyuk, Volodymyr Kotsyubynsky, Alexander Shyichuk, Mariana Myslin, Volodymyra Boychuk, Structure, morphology and adsorption properties of titania shell immobilized onto cobalt ferrite nanoparticle core, <i>Journal of Molecular Liquids</i>, Volume 297, 2020, 111757, https://doi.org/10.1016/j.molliq.2019.111757. (SCOPUS; , WoS IF = 4.561; Q1)</p> <p>14. Tetiana Tatarchuk, Mu. Naushad, Jolanta Tomaszewska, Przemysław Kosobucki, Mariana Myslin, Hanna Vasylyeva, Piotr Ścigalski, Adsorption of Sr(II) ions and salicylic acid onto magnetic magnesium-zinc ferrites: isotherms and kinetic studies, <i>Environmental Science and Pollution Research</i> (2020), https://doi.org/10.1007/s11356-020-09043-1 (SCOPUS; WoS IF = 3.208; Q1)</p> <p>15. P. Tiwari, S. N. Kane, U. P. Deshpande, Tetiana Tatarchuk, F. Mazaleyrat & B. Rachiy (2020) Cr content-dependent modification of structural, magnetic properties and bandgap in green synthesized Co–Cr nano-ferrites, <i>Molecular Crystals and Liquid Crystals</i>, 699:1, 39-50, DOI: 10.1080/15421406.2020.1732537 (SCOPUS, IF=0,512, Q3)</p>	
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