

Kornilovych Borys Yurievych

Profile information of editors team

1. Academic degree

Corresponding Member of the National Academy of Sciences of Ukraine,
Professor, Doctor of Science (Chemistry)

2. Current Position and affiliation

Head of the Chair of Chemical Technology of the National Technical University of Ukraine (“KPI”) and Head of the Department of Environmental Chemistry of the Institute for Sorption and Problems of Endoecology of the National Academy of Sciences of Ukraine

3. Contacts

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4. Research interests

Chemical and environmental technology Colloid and surface chemistry; treatment of radioactive and heavy metals contaminated waters, wastes and soils

5. Member of Editorial Boards

- Chemistry, Physics and Technology of Surface
- Research bulletin of the National Technical University of Ukraine “Kyiv polytechnic institute”
- Water: Hygiene and Ecology

6. Selected Publications

- Корнілович Б.Ю., Кошик Ю.Й., Ковальчук І.А., Хлопась О.О., Бащак О.Є. Захист підземних вод від забруднення сполуками

урану за допомогою проникних реакційних бар'єрів// Доповіді НАН України. – 2016 - №3. - С.113-120.

- Ю.М. Величко, М.М. Племянніков, Б.Ю. Корнілович, А.П. Яценко. Високотемпературні процеси: Навчальний посібник. – К. : «Освіта України», 2016. - 178 с.
- Жданюк Н.В. Ковальчук І.А. Корнілович Б.Ю. Одержання стабілізованого нанодисперсного заліза на основі органофілізованого монтморилоніту// Східно–європейський журнал передових технологій. – 2016. – Т. 5/6 (83). - С. 23 – 28.
- Б.Ю. Корнілович, О.Р. Андрієвська М.М. Племянніков Л.М.Спасьонова. Фізична хімія кремнезему і нанодисперсних силікатів. - К.: Вид-во «Освіта України» : Навч.посіб.- 2013. - 160 с.
- В.Yu. Kornilovych, O.G.Sorokin, V.M.Pavlenko, Yu.I.Koshik. Environmental Protection Technologies in Uranium Mining and Processing Industry. - Kyiv, 2011.-156 p. (monograph) (in Ukrainian).
- Pylypenko I.V., Kovalchuk I.A., Kornilovych B.Yu. Sorption of uranium, chromium and cobalt ions on Ti/Al-pillared montmorillonite // Chemistry, physics and technology of surface. – 2015, № 3. – С. 336–342.
- Племянніков М.М., Яценко А.П., Корнілович Б.Ю. Високотемпературні процеси: Навчальний посібник. – К. : «Освіта України», 2015. -183 с.
- Pylypenko I.V., Kovalchuk I.A., Kornilovych B.Yu. Sorption of uranium and chromium ions on Zr/Al-pillared montmorillonite // Reports of the National Academy of Sciences of Ukraine. – 2014, № 9. – С. 97–102.
- Wireman M., Kornilovich B. Installation of a permeable reactive barrier in uranium mining district – East Central Ukraine // Newsletter International Association of Hydrogeologists. U.S. National Chapter.-2012.- Vol.41, №2.- P. 12-14.
- Kornilovych B., Kovalchuk I., Spasonova L., Wireman M. Deactivation of Hazardous Uranium Contaminated Water in Black Sea Basin // In book “Advanced Water Supply and Wastewater Treatment: A Road to Safer Society and Environment”. Springer Science+Business Media B.V., 2011.- P.329-338.

- I.A. Kovalchuk, A.O. Golembiovskiy, B.Yu. Kornilovych. Sorption of Cr (VI) and U (VI) ions by palygorskite modified with cationic surfactants// Reports of the National Academy of Sciences of Ukraine. - 2011, №11. - P. 131-136.
- B.Kornilovych, V.Strelko, Yu.Koshyk, V.Pavlenko Ecology and chemistry problems in uranic raw stuff mining and processing- Bulletin of the National Academy of Sciences of Ukraine, - 2010, N 10. - P. 8 - 14.
- A.P. Iatsenko, B.Yu. Kornilovych, O.L. Makovets'kyi, V.A. Zavgorodnii Colloidal-chemical properties of layer silicate dispersions used for production of highlyporous glass-ceramic materials // Reports of the National Academy of Sciences of Ukraine. - 2010, N 6. - P. 139-143.
- V.Yu.Tobilko, B.Yu.Kornilovych, T.I.Denysova, A.P. Iatsenko, O.V.Kravchenko Sorption of uranium and cobalt ions by thermally modified layer silicates// Reports of the National Academy of Sciences of Ukraine - 2010, N 5. - P. 150 – 155.
- Mishchuk N.A., Kornilovych B.Yu., Makovetsky O.L., Spasonova L.M. Electroremediation of contaminated soils under nonstationary and nonuniform conditions// Colloids and Surfaces A: Physicochem. Eng. Aspects.-2010.-Vol. 360.- P. 26-31.
- B.Yu. Kornilovych, V.Yu. Tobilko, V.I. Lypskyi, I.A. Kovalchuk, L.N. Spasonova. Biosorption of uranium on immobilized microalgae// Polish Journal of chemistry. – 2007. – Vol. 81.- P.249-254.
- N. Mishchuk, B. Kornilovych, R. Klishchenko pH regulation as a method of intensification of soil electroremediation// Colloid and Surfaces A: Physicochem. Eng. Aspects, -2007.- Vol. 306.- P.171-179.

7. Google Scholar or Scopus or Orcid or ResearcherID or ResearchGate or LinkedIn

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