

- 4 Dashinamzhilova E.Ts. Polucheniye zhelezosoderzhashchego alyumosilikatnogo katalizatora iz montmorillonitovoy gliny i gidroksokompleksov zheleza [Production of iron-containing aluminosilicate catalyst from montmorillonite clay and iron hydroxo-complexes], Vestnik Buryatskogo gosudarstvennogo universiteta [Bulletin of Buryat State University], **3**, 27-29(2014). [in Russian]
- 5 Huang Y. et.al. Heavy metal ion removal of waste water by zeolite-imidazolate frameworks, Separation and Purification Technology, **194**, 462–469 (2018). DOI:10.1016/j.seppur.2017.11.068
- 6 Prasad M., Xu H.Y., Saxena S. Multi-component sorption of Pb (II), Cu (II) and Zn (II) onto low-cost mineral adsorbent, J. Hazard. Mater., **154**, 221-229 (2008). DOI:10.1016/j.jhazmat.2007.10.019
- 7 Ezhkova A.M., Yapparov. A.Kh, Ezhkov V.O. Tekhnologiya ispolzovaniya bentonitovykh glin v kachestve sorbentov soley tyazhelykh metallov iz organizma zhyvotnykh v regionakh tekhnogennoy nagruzki Respubliki Tatarstan: monografiya [Technology of using bentonite clays as sorbents of heavy metal salts from animals in the regions of anthropogenic load of the Republic of Tatarstan: monograph], (publ.KNITU, Kazan, 2013). [in Russian]
- 8 Nikitina et.al. Fiziko-khimicheskiye svoystva sorbentov na osnove bentonitovykh glin. modifitsirovannykh poligidroksokationami zheleza (III) i alyuminiya metodom «soosazhdeniya» [Physico-chemical properties of sorbents on the basis of bentonite clays modified with polyhydroxides of iron (III) and aluminum by the method of "coprecipitation"], Sorbtionnyye i khromatograficheskiye protsessy [Sorption and chromatographic processes], **16** (2), 191-199 (2016). [in Russian]
- 9 Petrova Yu.S. et.al. Sulfoetilirovanny poliaminostiro: sintez v gele i selektivnost sorbtzii ionov serebra(I) i medi(II) [Sulfoethylated polyaminostrole: synthesis in gel and selectivity of sorption of silver (I) and copper (II) ions], Zhurnal prikladnoy khimii [J.Appl.Chem.], **89**(9), 1211-1216 (2016). [in Russian]
- 10 Zaytseva V.V., Golub A.Ya., Neudachina L.K., Pestov A.V. Sorbtionnyye svoystva novogo modifitsirovannogo polisiloksana [Sorption properties of a new modified polysiloxane], Problemy teoreticheskoy i eksperimentalnoy khimii : tez.dokl. XXVIII Ros.molodezh. nauch. konf. s mezhdunar. uchastiyem. posvyashch. 100-letiyu so dnya rozhd. prof. V. A. Kuznetsova [Problems of theoretical and experimental chemistry, XXVIII Russian youth scientific conf. with Intern. participation dedicated to 100th anniversary of the birth. prof. V. A. Kuznetsov]. Ekaterinburg, 2018, p.99. [in Russian]
- 11 Rychina T.A., Lakiza N.V., Pestov A.V. Sorbtionnyye svoystva poliialilamina [Sorption properties of polyaniline], Problemy teoreticheskoy i eksperimentalnoy khimii : tez.dokl. XXVIII Ros.molodezh. nauch. konf. s mezhdunar. uchastiyem. posvyashch. 100-letiyu so dnya rozhd. prof. V. A. Kuznetsova. [Problems of theoretical and experimental chemistry, XXVIII Russian youth scientific conf. with Intern. participation, dedicated to 100th anniversary of the birth. prof. V. A. Kuznetsov], Ekaterinburg, 2018, p.147. [in Russian]
- 12 Puchkova T.L., Kharlampidi Kh.E. Alkilirovaniye fenola tetradetsenom-1 v prisutstvi katalizatora na osnove bentonitovoy gliny [Alkylation of phenol with tetradecene-1 in the presence of a catalyst based on bentonite clay], Vestnik Kazanskogo tekhnologicheskogo universiteta [Bulletin of Kazan Technological University], **17**, 33-35 (2012). [in Russian]
- 13 Abdulina S.A. Issledovaniya po razrabotke tekhnologii polucheniya katalizatorov na osnove prirodnykh sorbentov Kazakhstana dlya ochistki tekhnologicheskikh gazov.PhD dis. [Research on the development of technology for producing catalysts based on natural sorbents in Kazakhstan for the purification of process gases. PhD thesis]. Ust-Kamenogorsk, 2015, 139 p. [in Russian]
- 14 Postnikov I.N. Termicheskaya fosfornaya kislota. soli i udobreniya na eye osnove [Thermal phosphoric acid, salts and fertilizers based on it]. (Khimiya, Moscow, 1980).
- 15 Akhmetov N.S. Obshchaya i neorganicheskaya khimiya [General and inorganic chemistry]. (Vysshaya shkola, Moscow, 2003). [in Russian]
- 16 Singh A. K. Experimental Methodologies for the Characterization of Nanoparticles, Engineered Nanoparticles. Structure, Properties and Mechanisms of Toxicity, 125–170 (2016). DOI: 10.1016/B978-0-12-801406-6.00004-2
- 17 Karnaukhov A. P. Adsorbtsiya. Tekstura dispersnykh i poristykh materialov [Adsorption. The texture of dispersed and porous materials]. (Nauka. Sib. predpriyatiye RAN, Novosibirsk, 1999). [in Russian]
- 18 Marchenko Z. Metody spektrofotometrii v UF i vidimoy oblastiakh v neorganicheskom analize / Per. s polsk. [UV-VIS spectrophotometry analysis methods / Translated from Polish]. (BINOM. Laboratoriya znaniy, Moscow, 2007). [in Russian]
- 19 GOST 20851.2–75. Udobreniya mineralnyye. Metody opredeleniya fosfatov [State standard 20851.2–75. Mineral fertilizers. Methods of phosphates determination]. Accepted 01.01.76. (IPK Izd-vo standartov, Moscow, 1997). [in Russian]
- 20 Kostin A.V., Mostalygina L.V., Filisteyev O.V., Bukhtoyarov O.I. Osobennosti sorbtzii ionov nikelya i medi na bentonitovoy gline Zyryanskogo mestorozhdeniya Kurganskoy oblasti [Features of the sorption of nickel and copper ions on the bentonite clay of the Zyryansk deposit of the Kurgan region]. Vestnik YuUrGU. Seriya "Khimiya" [Bulletin of South Ural State University. Chemistry series], **1**, 37-41(2009). [in Russian]
- 21 Sintez i issledovaniye sorbtionnykh svoystv guanidinsoderzhashchikh polimernykh nanokompozitov [Synthesis and study of the sorption properties of guanidine-containing polymer nanocomposites]. – Available at: <https://www.ronl.ru/stati/himiya/297332/> (accessed 06.05.2018).
- 22 Imangaliyeva A.N., Seilkhanova G.A., Akbayeva D.N., Rakhym A.B., Kenzhalina Zh.Zh. Modifitsirovanny sorbent na osnove bentonitovoy gliny dlya izvlecheniya ionov kadmiya (II) iz vodnykh rastvorov [Modified sorbent based