

List of Academic Publications by Yuriy Kholin

Papers Published in English Language

1. Baraban A. Y., Ivanov V. V., Khristenko I. V., **Kholin Y. V.** Quantum Chemical Calculations for the Hydration of Model Silica Modified by Aliphatic Amines // Russian J. of Physical Chemistry A. – 2012. – V. 86, No. 2. – P. 244-251.
2. Maroneze C. M., Magosso H. A., Panteleimonov A. V., **Kholin Yu. V.**, Gushikem Y. Surface Functionalization of SBA-15 and a Nonordered Mesoporous Silica with a 1,4-Diazabicyclo[2.2.2]octane Derivative: Study of CuCl_2 Adsorption from Ethanol Solution // J. of Colloid and Interface Science. – 2011. – V. 356. – P. 248-256.
3. Magosso H.A., Fattori N, **Kholin Y.V.**, Gushikem Y. Adsorption of Metal Ions on Novel 3-n-Propyl(Methylpyridinium) Silsesquioxane Chloride Polymers Surface. Study of Heterogeneous Equilibrium at the Solid-Solution Interface // J. Braz. Chem. Soc. – 2009. – V. 20, No. 4. – P. 744-752.
4. Lebed V. I., Mchedlov-Petrosyan N. O., **Kholin Yu. V.** The International Conference “Modern Physical Chemistry for Advanced Materials”. Preface // Russian J. of Physical Chemistry A. – 2008. – V. 82, No. 9. – P. 1427.
5. Pissetti F.L., Yoshida I.V.P., Gushikem Y., Kholin Y.V. Metal Ions Adsorption from Ethanol Solutions on Ethylenediamine Modified Poly(dimethylsiloxane) Elastomeric Network // Colloids and Surfaces A: Physicochemical and Engineering Aspects. – 2008. – V. 328. – P. 21-27.
6. Kholin Y., Zaitsev V. Quantitative Physicochemical Analysis of Equilibria on Chemically Modified Silica Surfaces // Pure and Applied Chem. – 2008. – V. 80, No. 7. – P. 1561-1592.
7. Gushikem Y., Benvenuti E.V., Kholin Y.V. Synthesis and Applications of Functionalized Silsesquioxane Polymers Attached to Organic and Inorganic Matrices // Pure and Applied Chem. – 2008. – V. 80, No. 7. – P. 1593-1611.
8. Kholin Y., Mchedlov-Petrosyan N.O. International Conference “Modern Physical Chemistry for Advanced Materials” // Chemistry International. – 2008. – V. 30, No 3. – P. 27-28.
9. Lucho A.M.S., Panteleimonov A., **Kholin Y.**, Gushikem Y. Simulation of Adsorption Equilibria on Hybrid Materials: Binding of Metal Chlorides with 3-n-Propylpyridinium Silsesquioxane Chloride Ion Exchanger // J. of Colloid and Interf. Sci. – 2007. – V. 310. – P. 47-56.
10. Pissetti F.I., Magosso H.A., **Kholin Y.V.** e.a. n-Propylpyridinium Chloride-modified Poly(Dimethylsiloxane) Elastomeric Networks: Preparation, Characterization, and Study of Metal Chloride Adsorption from Ethanol Solutions // J. of Colloid and Interface Science. – 2007. – V. 314. – P. 38-45.
11. Koshcheeva Ya., Khushvakhtova S. D., **Kholin Yu. V.**, e.a. Interaction of Cr(III) with the Humus Acids of Soil, Water, and Bottom Sediments // Geochemistry International. – 2007. – V. 45, No 2. – P. 178-184.
12. Magosso H.A., Panteleimonov A.V., Kholin Y.V., Gushikem Y. Synthesis, Characterization and Metal Adsorption Properties of the New Ion Exchanger Polymer 3-n-Propyl(4-methylpyridinium) Silsesquioxane Chloride // J. of Colloid and Interface Science. – 2006. – V 303. – P. 18–24.
13. Khristenko I.V., Kholin Yu.V., Mchedlov-Petrosyan N.O., e.a. Probing of Chemically Modified Silica Surfaces by Solvatochromic Pyridinium *N*-Phenolate Betaine Indicators // Colloid Journal. – 2006. – V. 68, No. 4. – P. 511-517.
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15. Splendore G., Benvenuti E.V., **Kholin Y.V.**, Gushikem Y. Cellulose Acetate- Al_2O_3 Hybrid Material Coated with *N*-Propyl-1,4-diazabicyclo [2.2.2] Octane Chloride. Preparation, Characterization and Study of Some Metal Halides Adsorption from Ethanol Solution // J. Braz. Chem. Soc. – 2005. – V. 16, No. 2. – P. 147-152.
16. Korneev S.V., **Kholin Yu.V.** Physicochemical and Sorption Properties of Silica Gel with Immobilized Xylenol Orange Surface Groups // Russian J. of Applied Chemistry. – 2005. – V. 78, No 1. – P. 71-76.
17. Ferreira C.U., Gonsalves J.E., **Kholin Y.V.**, Gushikem Y. The Li^+ , Na^+ and K^+ ion exchange reaction process on the surface of mixed oxide $\text{SiO}_2/\text{TiO}_2/\text{Sb}_2\text{O}_5$ surface prepared by the Sol-Gel processing method // Eclat. Quim. – 2005. – V. 30, No. 1. – P. 51-58.
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21. Alfaya R.V.S., Fujiwara S.T., Gushikem Y., Kholin Y.V. Adsorption of Metal Halides from Ethanol Solutions by a 3-n-Propyldinium Silsesquixane Chloride-Coated Silica Gel Surface // *J. of Colloid and Interface Science*. – 2004. – V. 269. – P. 32-36.
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23. Ostrovskaya V.M., Reshetnyak E.A., **Kholin Yu.V.**, e.a. A test method for determining total metals with an indicator paper and its performance characteristics // *J. of Analytical Chemistry*. – 2004. – V. 59, No 10. – P. 995-1001.
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29. Lazarin A.M., Landers R., **Kholin Yu.**, Gushikem Y. Determination of the Affinity Constants of FeCl_3 , CuCl_2 and ZnCl_2 for a Nitrogen Containing Organosilane Bonded on Al_2O_3 -Cellulose Acetate Hybrid Material // *J. of Colloid and Interface Science*. – 2002. – V. 254, No 1. – P. 31-38.
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92. **Kholin Y.V.**, Zaitsev V.N. Functionalized Materials. Vol. 3. Complexes on Surface of Chemically Modified Silicas. – Kharkiv: Folio, 1997. – 136 p. (in Russian)
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19 May, 2012