LUMINESCENT DETERMINATION OF COPPER, SILVER AND GOLD USING UNITHIOL IN SOLUTION AND IMMOBILIZED ON SILICA SURFACE MODIFIED WITH POLYHEXAMETHYLENE GUANIDINER

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References:

1. Golovina A.P., Runov V.K., Sadvakasova S.K., Treshhalova I.M. Moskva: Nauka, 1986. S. 205 (in Russ.).
2. Fleischauer P.D., Fleischauer P. *Chem. Rev.* 1970, 70(2), 199.
3. Stillman M.J., Zelazowski A.J., Szymansca J., Gasyna Z. *Inorg. Chim. Acta.* 1989, 161, 275.
4. Yam V.W.-W., Wong K.M.-C. *Chemical Comm.* 2011, 47, 11579.
5. Losev V.N., Elsuf`ev E.V., Trofimchuk A.K. *J. Anal. Chem*. 2005, 60(4), 341-344.
6. Losev V.N., Elsuf`ev E.V., Alennikova Yu.V., Trofimchuk A.K. *J. Anal. Chem*. 2003, 58(3), 236-239.
7. Losev V.N., Alennikova Yu.V., Elsuf`ev E.V., Trofimchuk A.K. *J. Anal. Chem*. 2002, 57(7), 601-605.
8. Losev V.N., Elsuf`ev E.V., Metelitsa S.I., Trofimchuk A.K., Boichenko I.N. *J. Anal. Chem*. 2009, 64(4), 346-349.
9. Losev V.N., Metelitsa S.I., Elsuf'ev E.V., Trofimchuk A.K. *J. Anal. Chem*. 2009, 64(9), 903-909.
10. Losev V.N., Didukh S.L., Trofimchuk A.K., Leshchenko V.N. *Mendeleev Commun.* 2009, 19(3), 167.
11. Losev V.N., Diduh S.L., Trofimchuk A.K. Izvestija VUZov. Himija i him.tehnologija. 2009, 52(7), 32-36 (in Russ.).
12. Ospanov H.K., Vasil'ev V.P., Garavin V.Ju. Koord. himija. 1989, 15, 1619 (in Russ.).
13. Losev V.N., Volkova G.V., Maznjak N.V., Trofimchuk A.K., Janovskaja Je.Ja. *J. Anal. Chem*. 1999, 54(12), 1254 (in Russ.).