

PUBLICATIONS

- [Sulatskaya A.I., Lavysh A.V., Maskevich A.A., Kuznetsova I.M., Turoverov K.K.](#) 2017. Thioflavin T fluoresces as excimer in highly concentrated aqueous solutions and as monomer being incorporated in amyloid fibrils. *Sci Reports*, 7(1): 2146. doi: 10.1038/s41598-017-02237-7.
- Lavysh A. V., Maskevich A. A., Lugovskii A. A., Voropay E. S., Sulatskaya A. I., Kuznetsova I. M., Turoverov K. K. Formation of trans-2-[4-(Dimethylamino) Styryl]-3-Ethyl-1,3-Benzothiazolium Perchlorate Dimers in the Presence of Sodium Polystyrene Sulfonate. 2017. *Journal of Applied Spectroscopy*. 83(6): 917-923. doi: 10.1007/s10812-017-0384-8.
- [Rodina N.P., Sulatsky M.I., Sulatskaya A.I., Kuznetsova I.M., Uversky V.N., Turoverov K.K.](#) 2017. Photophysical properties of fluorescent probe thioflavin T in crowded milieu. *Journal of Spectroscopy*. Volume 2017, Article ID 2365746, 10 pages. doi: 10.1155/2017/2365746.
- [Sulatskaya A.I., Rodina N.P., Povarova O.I., Kuznetsova I.M., Turoverov K.K.](#) 2017. Different conditions of fibrillogenesis cause polymorphysm of lysozyme amyloid fibrils. *Journal of Molecular Structure*. 1140:52-58. doi: 10.1016/j.molstruc.2016.10.037.
- [Lavysh A.V., Lugovskii A.A., Voropay E.S., Sulatskaya A.I., Kuznetsova I.M., Turoverov K.K., Maskevich A.A.](#) 2016. Aggregation of thioflavin T and its new derivative in the presence of anionic polyelectrolyte. *Biointerface Research in Applied Chemistry*. 6 (5):1525-1530.
- [Kuznetsova I.M., Sulatskaya A.I., Maskevich A.A.; Uversky V.N.; Turoverov K.K.](#) 2016. The high fluorescence anisotropy of thioflavin T in aqueous solution results from its molecular rotor nature. *Analytical Chemistry*. 88(1): 718-724. doi: 10.1021/acs.analchem.5b02747.
- [Sulatskaya A.I., Kuznetsova I.M., Belousov M.V., Bondarev S.A., Zhouravleva G.A., Turoverov K.K.](#) 2016. Stoichiometry and Affinity of Thioflavin T Binding to Sup35p Amyloid Fibrils. *PLoS One*. 11(5): e0156314. doi: 10.1371/journal.pone.0156314.
- [Sulatskaya A.I., Kuznetsova I.M., Turoverov K.K.](#) 2016. Photophysical properties of thioflavin T. Does it form excimers when integrated into amyloid fibrils? *Biophys. J.* 110 (3): 218a. doi: 10.1016/j.bpj.2015.11.1210.
- Maskevich A.A., Lavysh A.V., Kuznetsova I.M., Sulatskaya A.I., Turoverov K.K. 2015. Spectral Manifestations of Thioflavin T Aggregation. *Journal of Applied Spectroscopy*. 82 (1): 33-39. doi: 10.1007/s10812-015-0060-9.
- [Fonin A.V., Sulatskaya A.I., Kuznetsova I.M., Turoverov K.K.](#) 2014. Fluorescence of dyes in solutions with high absorbance. Inner filter effect correction. *Plos One*. 9(7): e103878. doi: 10.1371/journal.pone.0103878.
- Lavysh A.V., Sulatskaya A.I., Lugovskii A.A., Voropay E. S., Kuznetsova I.M., Turoverov K.K., Maskevich A.A. 2014. Photophysical properties of trans-2-[4-(dimethylamino)styryl]-3-ethyl-1,3-benzothiazolium perchlorate, a new structural analog of thioflavin T. *J. Appl. Spectr.* 81(2): 205-213. doi: 10.1007/s10812-014-9911-z.
- [Kuznetsova Irina M., Sulatskaya Anna I., Povarova Olga I., Turoverov Konstantin K.](#) 2012. Reevaluation of ANS binding to Human and Bovine Serum Albumins. Key Role of Equilibrium Microdialysis in Ligand - Receptor Binding Characterization. *Plos One*. 7(7): e40845. doi: 10.1371/journal.pone.0040845.
- [Kuznetsova I.M., Sulatskaya A. I., Uversky V.N., Turoverov K.K.](#) 2012. A new trend in the experimental methodology for the analysis of the Thioflavin T binding to amyloid fibrils. *Molecular Neurobiology*. 45: 488-498. doi: 10.1007/s12035-012-8272-y.
- [Sulatskaya A.I., Kuznetsova I.M., Turoverov K.K.](#) 2012. Interaction of thioflavin T with amyloid fibrils: fluorescence quantum yield of bound dye. *The Journal of physical chemistry B*. 116(8): 2538-2544. doi: 10.1021/jp2083055.
- [Kuznetsova I.M., Sulatskaya A.I., Uversky V.N., Turoverov K.K.](#) 2012. Analyzing Thioflavin T binding to amyloid fibrils by an equilibrium microdialysis-based technique. *Plos One*. 7(2): e30724. doi: 10.1371/journal.pone.0030724.

[Sulatskaya A.I., Kuznetsova I.M., Turoverov K.K.](#) 2011. Interaction of thioflavin T with amyloid fibrils: stoichiometry and affinity of dye binding, absorption spectra of bound dye. J. Phys. Chem. B. 115 (39): 11519-11524. doi: 10.1021/jp207118x.

[Stsiapura V.I., Maskevich A.A., Kuzmitsky V.A., Uversky V.N., Kuznetsova I.M., Turoverov K.K.](#) 2008. Thioflavin T as a molecular rotor: fluorescent properties of thioflavin T in solvents with different viscosity. J.Phys.Chem. B . 112(49) 15893-15902. doi: 10.1021/jp805822c

[Maskevich A.A., Stsiapura V.I., Kuzmitsky V.A., Kuznetsova I.M., Povarova O.I., Uversky V.N. and Turoverov K.K.](#) 2007. Spectral properties of thioflavin T in solvents with different dielectric properties and in fibril-incorporated form. J. Proteome Res. 6(4), 1392-1401. doi: 10.1021/pr0605567.