

Babintsev Ilya



Date of Birth: 1985 June 17th

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information: e-mail: il2b@rambler.ru

Science interests: Development of kinetic theory of micellization and of micelle system aggregation.

Education:

2002-2009 Saint-Petersburg State University, Physical Faculty, Statistical Physics Department 2002-2009 (M.Sc.)

2014 Candidate of Physical and Mathematical Sciences

Work

experience:

2009-by now Saint Petersburg State University, V.A. Fock Research Institute of Physics, Statistical Physics Department, researcher.

Publications:

1. K. Shchekin,*I. A. Babintsev, L. Ts. Adzhemyan and N. A. Volkov, "Kinetic modeling of self-aggregation in solutions with coexisting spherical and cylindrical micelles at arbitrary initial conditions", RSC Adv.,2014,4,51722.
2. Ilya A. Babintsev, Loran Ts. Adzhemyan, and Alexander K. Shchekin, "Multi-scale times and modes of fast and slow relaxation in solutions with coexisting spherical and cylindrical micelles according to the difference Becker-Döring kinetic equations", The Journal of Chemical

Physics 141, 064901 (2014).

3. Babintsev, L. Ts. Adzhemyan and A. K. Shchekin, "Kinetics of micellisation and relaxation of cylindrical micelles described by the difference Becker-Döring equation", *Soft Matter*, 2014, 10, 2619.
4. Ilya Babintsev, Loran Adzhemyan, Alexander Shchekin, "Micellization and relaxation in solution with spherical micelles via the discrete Becker-Döring equations at different total surfactant concentrations", *Journal of the Chemical Physics*, 2012, v.137, 044902.
5. Adzhemyan L. Ts., Babintsev I. A., Kazansky A. K., "Investigation of the initial stage of recondensation (Ostwald ripening) in numerical and analytical approach", *Herald of St. Petersburg State University*, 2009, Series 4: Physics. Chemistry ,pp.339-350 (in Russian)

Additional skills

and interests: Sport, driving, literature, board games with friends

Personal qualities: Patient, work with enthusiasm