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Список основных публикаций за 2010-2014 г.г.**

1. Dubinin N.E., Yuryev A.A., Vatolin N.A. Gibbs-Bogoliubov variational procedure with the square-well reference system. *J. Non-Equilib. Thermodyn.*, 2010, v.35, p.289-300.
2. Dubinin N.E., Yryev A.A., Vatolin N.A. Straightforward calculation of the WCA entropy and internal energy for liquid metals. *Thermochimica Acta*, 2011, v.518, p.9-12.
3. Крашанинин В.А., Юрьев А.А., Юрьев Е.А. Расчет из первых принципов термодинамических свойств жидких щелочных металлов. *Расплавы*, 2011, №4, с.24-31.
4. Дубинин Н.Э., Юрьев А.А., Ватолин Н.А. Новый способ получения энергии Гельмгольца системы сравнения в методе WCA. *Расплавы*. 2011, №5, с.3-7.
5. Дубинин Н.Э., Юрьев А.А., Ватолин Н.А. Псевдопотенциальный расчет структуры и термодинамики жидких щелочных металлов с моделью прямоугольной ямы в качестве системы сравнения. *ЖСХ*, 2012, № 3, с. 474-481.
6. Дубинин Н.Э., Юрьев А.А., Филиппов В.В., Ватолин Н.А. Новая система сравнения в вариационном методе термодинамической теории возмущений. *ДАН*, 2012, т. 446, № 2, с. 1-4.
7. Nikolay Dubinin, Anatoliy Yuryev, Vladimir Filippov The Entropy of the Square-Well Fluid I. The Random Phase Approximation. *Adv. Studies Theor. Phys.* 2013, V.7, No 10, p.p. 459-461.
8. Vladimir Filippov, Nikolay Dubinin, Anatoliy Yuryev, The Entropy of the Square-Well Fluid II. The Mean Spherical Approximation. *Adv. Studies Theor. Phys.* 2013, V.7, No 10, p.p. 463-465.
9. Elmira Yuryeva, Anatoliy Yuryev. The Forming Factors of High Values of Superconducting Transition Temperature Tc in 3d-Transition Metal Compounds I. The Main Groups of Known Superconductors. *Adv. Studies Theor. Phys.* 2013, V.7, No 12, p.p. 585-589.
10. Elmira Yuryeva, Anatoliy Yuryev. The Forming Factors of High Values of Superconducting Transition Temperature Tc in 3d-Transition Metal Compounds II. Empirical and Theoretical Equipments for Receiving the Values of Superconducting Transition Temperature Tc *Adv. Studies Theor. Phys.* 2013, V.7, No 12, p.p. 591-594.
11. Elmira Yuryeva, Anatoliy Yuryev. The Forming Factors of High Values of Superconducting Transition Temperature Tc in 3d-Transition Metal Compounds III. Quantum Mechanic Rela-xational Model for Calculation of the Values of Superconducting Transition Temperature Tc *Adv. Studies Theor. Phys.* 2013, V.7, No 18, p.p. 873-876.
12. Elmira Yuryeva, Anatoliy Yuryev. The Forming Factors of High Values of Superconducting Transition Temperature Tc in 3d-Transition Metal Compounds IV. Fundamentals of *ab Initio* Cluster X $\alpha$ -Discrete Variation Method (X $\alpha$ - DVM) *Adv. Studies Theor. Phys.* 2013, V.7, No 18, p.p. 877-880.

13. Anatoliy Yuryev, Vladimir Filippov, Nikolay Dubinin. A simple way for obtaining the expression for the entropy of fluid I. The general consideration. *Adv. Studies Theor. Phys.*, Vol. 7, 2013, no. 14, 681–683.
14. Anatoliy Yuryev, Nikolay Dubinin, Vladimir Filippov. A simple way for obtaining the expression for the entropy of fluid II. The random phase approximation. *Adv. Studies Theor. Phys.*, Vol. 7, 2013, no. 14, 685–686.
15. Vladimir Filippov, Anatoliy Yuryev, Nikolay Dubinin A simple way for obtaining the expression for the entropy of fluid III. The mean spherical approximation. *Adv. Studies Theor. Phys.*, Vol. 7, 2013, no. 14, 687–688.
16. Elmira Yuryeva, Anatoliy Yuryev. The Forming Factors of High Values of Superconducting Transition Temperature  $T_c$  in 3d-Transition Metal Compounds V. Particularities of ab initio Cluster X $\alpha$ -discrete Variation Method (X $\alpha$ -DVM): Exchange Spin-Spin Electron Interaction. *Adv. Studies Theor. Phys.* 2013, V.7, No 24, p.p. 1157-1160.
17. Elmira Yuryeva, Anatoliy Yuryev. The Forming Factors of High Values of Superconducting Transition Temperature  $T_c$  in 3d-Transition Metal Compounds VI. Particularities of ab initio Cluster X $\alpha$ -discrete Variation Method (X $\alpha$ - DVM): Revised Expression for Total Energy Calculation. *Adv. Studies Theor. Phys.* 2013, V.7, No 24, p.p. 1161-1164.
18. Dubinin N.E., Filippov V.V., Yuryev A.A., Vatolin N.A Excess entropy of mixing for binary square-well fluid in the mean spherical approximation: Application to liquid alkali-metal alloys. *J. Non-Crystal. Sol.*, 2014, V. 401, p. 101-104/