

**Список трудов А.А. Мистонова, представленных на конкурс на присуждение Премии
СПбГУ в категории «За вклад в науку молодых исследователей»**

1. I.S. Dubitskiy, A.V. Syromyatnikov, N.A. Grigoryeva, A.A. Mistonov, N.A. Sapoletova, S.V. Grigoriev, Spin-ice behavior of three-dimensional inverse opal-like magnetic structures: Micromagnetic simulations, *Journal of Magnetism and Magnetic Materials*, v. 441, 609-619 (2017) (Impact factor: 3.046)
2. I.S. Dubitskiy, A.A. Mistonov, N.A. Grigoryeva, S.V. Grigoriev, Dependence of the inverse opal magnetic form-factor on the degree of sintering: Micromagnetic study, *Physica B: Condensed Matter*, (<https://doi.org/10.1016/j.physb.2017.10.093>) (Impact factor: 1.453)
3. I.S. Dubitskiy, N.A. Grigoryeva, A.A. Mistonov, G.A. Valkovskiy, N.A. Sapoletova, S.V. Grigoriev, Study of quasi-two- and three-dimensional ordered porous structures by means of small-angle X-ray scattering in the grazing incidence geometry, *Physics of the Solid State*, v. 59, 12, 2464-2475 (2017) (Impact factor: 0.925)
4. I. S. Shishkin, A. A. Mistonov, I. S. Dubitskiy, N. A. Grigoryeva, D. Menzel, and S. V. Grigoriev, Nonlinear geometric scaling of coercivity in a three-dimensional nanoscale analog of spin ice, *Physical Review B*, vol. 94, pp. 064424 (2016)(Impact factor: 3.813)
5. I. S. Shishkin, A. A. Mistonov, N. A. Grigoryeva, D. Menzel, S. V. Grigoriev, Temperature behavior of the local magnetization vectors in ferromagnetic inverted opal-like structures, *Journal of Surface Investigation. X-ray, Synchrotron and Neutron Techniques* vol. 10 N. 1 pp. 156 - 168 (2016) (Impact factor: 0.359)
6. A. A. Mistonov, I. S. Shishkin, I. S. Dubitskiy, N. A. Grigoryeva, H. Eckerlebe, and S. V. Grigoriev, Ice Rule for a Ferromagnetic Nanosite Network on the Face-Centered Cubic Lattice, *Journal of Experimental and Theoretical Physics*, vol. 120, N. 5, pp. 844–850 (2015)(Impact factor: 1.255)
7. A. V. Chumakova, G. A. Valkovskiy, A. A. Mistonov, V. A. Dyadkin, N. A. Grigoryeva, N. A. Sapoletova, K. S. Napolskii, A. A. Eliseev, A. V. Petukhov and S. V. Grigoriev, Periodic order and defects in Ni-based inverse opal-like crystals on the mesoscopic and atomic scale, *Physical Review B* vol. 90 pp. 144103 (2014)(Impact factor: 3.813)
8. A. A. Mistonov, N. A. Grigoryeva, A. V. Chumakova, H. Eckerlebe, N. A. Sapoletova, K. S. Napolskii, A. A. Eliseev, D. Menzel, S. V. Grigoriev, Three-dimensional artificial spin ice in nanostructured Co on an inverse opal-like lattice, *Physical Review B* vol. 87 pp. 220408(R) (2013)(Impact factor: 3.813)