

## Список опубликованных работ

По теме диссертации Старчикова С.С. «Магнитные, структурные и электронные свойства наночастиц сульфидов и оксидов железа с различной кристаллической структурой» я, Чуев Михаил Александрович, доктор физико-математических наук, имею более 20 опубликованных научных работ за последние 5 лет, в том числе:

1. Chuev M.A. Macroscopic quantum effects observed in Mössbauer spectra of antiferromagnetic nanoparticles // *Hyperfine Interact.* 2014. Vol. 226, № 1-3. P. 111–122.
2. Chuev M.A. Excitation spectrum and magnetic dynamics of antiferromagnetic nanoparticles in Mössbauer spectroscopy // *JETP Lett.* 2014. Vol. 99, № 5. P. 278–282.
3. R. R. Gabbasov, V. M. Cherepanov, M. A. Chuev, M. A. Polikarpov, V. Y. Panchenko Size effect of Mössbauer parameters in iron oxide nanoparticles // *Hyperfine Interactions* 12/2013; 226(1-3)
4. M. A. Chuev On the shape of gamma-resonance spectra of ferrimagnetic nanoparticles under conditions of metamagnetism // *JETP Letters* 2013 Vol. 98, 8 , pp 465-470
5. M. A. Chuev Mössbauer spectroscopy of magnetic nanoparticles: From universal qualitative treatment to realistic models of magnetic dynamics for particles of different magnetic nature and nanomaterial diagnostics // *Bulletin of the Russian Academy of Sciences Physics* 06/2013; 77(6)
6. D. M. Polikarpov, R. R. Gabbasov, V. M. Cherepanov, M. A. Chuev, V. Ya. Panchenko Using Mössbauer spectroscopy to interpret histological analysis data of iron-containing compounds in rat brain // *Bulletin of the Russian Academy of Sciences Physics* 06/2013; 77(6)
7. Dmitry M. Polikarpov, Raul R. Gabbasov, V.M. Cherepanov, M.A. Chuev, V.A. Korshunov, M.P. Nikitin, S.M. Deyev, V.Y. Panchenko Biodegradation of Magnetic Nanoparticles in Rat Brain Studied by Mössbauer Spectroscopy // *IEEE Transactions on Magnetics* 01/2013; 49(1):436-439
8. Raul Gabbasov, Valery Cherepanov, Mikhail Chuev, Mikhail Polikarpov, Maxim Nikitin, Sergey Deyev, Vladislav Panchenko Biodegradation of Magnetic Nanoparticles in Mouse Liver From Combined Analysis of Mössbauer and Magnetization Data // *IEEE Transactions on Magnetics* 01/2013; 49(1):394-397
9. Chuev M.A. On the thermodynamics of antiferromagnetic nanoparticles by example of Mössbauer spectroscopy // *JETP Lett.* 2012. Vol. 95, № 6. P. 295–301.
10. Chuev M.A. Multi-level relaxation model for describing the Mössbauer spectra of single-domain particles in the presence of quadrupolar hyperfine interaction // *J. Phys. Condens. Matter.* 2011. Vol. 23, № 42. P. 426003.

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