

Список основных публикаций официального оппонента Щербакова И.Н. по теме
диссертации за последние 5 лет

1. M. V. Melikhov, D. V. Korchagin, Yu. P. Tupolova, L. D. Popov, V. A. Chetverikova, V. V. Tkachev, A. N. Utenyshev, N. N. Efimov, **I. N. Shcherbakov**, S. M. Aldoshin. Complexes of Hexacoordinated Ni(II) Based on Diacetyl Bis-hetarylhydrazones: Structures and Magnetic Properties // Russ. J. Coord. Chem. 2024. V.50. P. 427–439.
2. **Igor N. Shcherbakov**, Ilya I. Krotkii, Victoria I. Kazachkova, Sergey N. Lyubchenko, Nikolay N. Efimov, Arshak A. Tsaturyan, Vladimir A. Lazarenko. Field induced slow magnetic relaxation in a linear homotrinnuclear manganese heterospin coordination compound with $S = 7/2$ ground state and intriguing spin density distribution // Dalton Trans. 2024. V. 53. P. 6860-6864.
3. Ilya I. Krotkii, Elena Yu. Shcherbakova, Sergey N. Lyubchenko, Nikolay N. Efimov, Mikhail A. Kiskin, Vladimir A. Lazarenko, Pavel A. Knyazev, Stanislav P. Kubrin, Gennady S. Borodkin, **Igor N. Shcherbakov**. Octahedral 3d-metal complexes of 4,6-di-tert-butyl-1,2-benzoquinone-2-monooxime: Synthesis, structure, and magnetic properties // Polyhedron. 2024. V. 251. P. 116876.
4. Yulia P. Tupolova, Vladimir E. Lebedev, Denis V. Korchagin, Valery V. Tkachev, Andrey N. Utenyshev, Roman B. Morgunov, Andrei V. Palii, **Igor N. Shcherbakov**, Sergey M. Aldoshin. Hexacoordinated Co(II) complex exhibiting strong magnetic anisotropy and field-induced slow magnetization relaxation: synthesis, magnetic characterization, and quantum-chemical modeling // New J. Chem. 2023. V. 47. P. 10884-10891.
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6. Yulia P. Tupolova, Denis V. Korchagin, Anastasya S. Andreeva, Valery V. Tkachev, Gennadii V. Shilov, Vladimir A. Lazarenko, Leonid D. Popov, Konstantin A. Babeshkin, Nikolay N. Efimov, Roman B. Morgunov, Andrei V. Palii, Stanislav P. Kubrin, **Igor N. Shcherbakov**, Sergey M. Aldoshin. Mononuclear Heptacoordinated 3d-Metal Helicates as a New Family of Single Ion Magnets // Magnetochemistry. 2022. V. 8. №11. P. 153.
7. V. V. Lukov, Yu. P. Tupolova, **I. N. Shcherbakov**, L. D. Popov, K. B. Gishko, V. A. Chetverikova. Coordination Chemistry and Magnetic Properties of Bi- and Polynuclear Exchange-Coupled Cu(II) and Ni(II) Metal Oximates // Russ. J. Coord. Chem. 2022. V. 48, P. 127–145.
8. L. D. Popov, S. A. Borodkin, M. A. Kiskin, A. A. Pavlov, N. N. Efimov, E. A. Ugolkova, V. V. Minin, **I. N. Shcherbakov**. Copper(II) and Cobalt(II) Carboxylates Containing the 1,3,4-Oxadiazole Fragment: Structures and Properties // Russ. J. Coord. Chem. 2022. V. 48, P. 75-83.
9. Yulia P. Tupolova, Sergey I. Levchenkov, Leonid D. Popov, Vladimir E. Lebedev, Vadim V. Minin, Nikolay N. Efimov, Vladimir A. Lazarenko, Yan V. Zubavichus, Alexander A. Zubenko, **Igor N. Shcherbakov**. Unprecedented interplay of antiferro- and ferromagnetic exchange interactions through intermolecular hydrogen bonds in mononuclear Cu(II) complexes // New J. Chem. 2021. V. 45. P. 12236-12246.
10. Yulia P. Tupolova, **Igor N. Shcherbakov**, Denis V. Korchagin, Valery V. Tkachev, Vladimir E. Lebedev, Leonid D. Popov, Konstantin V. Zakharov, Alexander N. Vasiliev, Andrew V. Palii, Sergey M. Aldoshin. Fine-Tuning of Uniaxial Anisotropy and Slow Relaxation of Magnetization in the Hexacoordinate Co(II) Complexes with Acidoligands // J. Phys. Chem. C. 2020. V. 124. № 47. P. 25957–25966.