



## Pankov Ilya Vladimirovich

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### HIGHLIGHTS OF QUALIFICATIONS

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- Synthesis of organic ligands and transition metal coordination compounds
- Presentation of research results for tenders/competitions
- Expertise in IR and NMR spectroscopy of organic and transition metal coordination compounds
- Quantum chemical modeling of the coordination compounds structure and their physical-chemical properties: magnetic exchange interactions etc.

### EDUCATION AND PROFESSIONAL CERTIFICATES

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Southern Federal University, Rostov-on-Don, Russia

September 2009 – July 2014

- Specialist in Chemistry. Teacher in Chemistry.

### WORK EXPERIENCE

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**Southern Federal University**

**Postgraduate student**

October 2014 – present

- Research in physical chemistry
- Organic synthesis (magnetoactive compounds)
- Performs regular practical lessons and other classroom effort
- Courses taught: General Chemistry, Computational Chemistry
- Guide chemistry lab named «Alternative energy» with particularly intended student experiments and researches

### ADDITIONAL SKILLS

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- Advanced knowledge of the operating system Windows
- Translation of scientific articles for further publication

### HOBBIES /SPORTS

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- Active sports, gaming, skateboarding

### PUBLICATIONS

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Total published papers in peer-reviewed scientific journals – 4.

1. Vladimir V. Lukov, Igor N. Shcherbakov, Sergey I. Levchenkov, Leonid D. Popov, Ilya V. Pankov: *Peculiarities of Magnetic Exchange in Bi- and Tetranuclear Copper(II) Complexes with Organic Ligands Based on 1,3-Diaminopropan-2-ol*. Russian Journal of Coordination Chemistry 01/2017; 43(1):1-20., DOI:10.1134/S1070328417010055
2. A. S. Burlov, V. G. Vlasenko, Yu. V. Koshchlenko, S. I. Levchenkov, I. V. Pankov, Ya. V. Zubavichus, A. L. Trigub, G. S. Borodkin, T. A. Mazepina, D. A. Garnovskii, A. I. Uraev: *Binuclear metallochelates of 2-(N-tosylamino)benzal-2'-(hydroxymethyl)aniline:*

*Syntheses, structures, and magnetic properties.* Russian Journal of Coordination Chemistry 04/2016; 42(4):267-273., DOI:10.1134/S1070328416030027

3. Anatolii S. Burlov, Valery G. Vlasenko, Nadezhda I. Makarova, Konstantin A. Lyssenko, Vasiliy V. Chesnokov, Gennadii S. Borodkin, Igor S. Vasilchenko, Ali I. Uraev, Dmitrii A. Garnovskii, Anatoly V. Metelitsa, Eugene L. Mukhanov, Tat'yana V. Lifintseva, Ilya V. Pankov: *Chemical and electrochemical synthesis, molecular structures, DFT calculations and optical properties of metal-chelates of 8-(2-tosylaminobenzilideneimino)quinoline.* Polyhedron 12/2015; 107., DOI:10.1016/j.poly.2015.12.048
4. L. D. Popov, Yu. P. Tupolova, S. I. Levchenkov, A. A. Tsaturyan, V. V. Lukov, S. A. Borodkin, I. N. Shcherbakov, A. S. Burlov, A. A. Zubenko, I. V. Pankov: *Physico-chemical study of the complex formation between 2-(tosylamino)benzaldehyde bishydrazones and transition metal ions.* Russian Journal of General Chemistry 08/2015; 85(8):1902-1909., DOI:10.1134/S1070363215080186
5. Pankov I.V., Shcherbakov I.N., Tkachev V.V., Levchenkov S.I., Popov L.D., Lukov V.V., Aldoshin S.M., Kogan V.A. The magnetic exchange interaction in bi- and tetranuclear copper(II) complexes with the bis-azomethine of 1,3-diaminopropanol-2 and 4-hydroxy-3-formylcoumarin with an azide exogenous bridge // Polyhedron. 2017. Vol. 135. P. 237-246. doi.org/10.1016/j.poly.2017.07.014