XVI CHINESE-RUSSIAN SYMPOSIUM “ADVANCED MATERIALS AND TECHNOLOGIES” 05-14.10.2023, HAIKOU

PRC YOUNG SCIENTIST INFO

Dormidontov Nikolay Andreevich

Baikov Institute of Metallurgy and Materials Science, Russian Academy of Sciences (IMET RAS)

Laboratory of Physical Chemistry of Refractory and Rare Metals and Alloys

Research Assistant

Specialist in the field of preparation and investigation of Nd-Fe-B and Sm-Co permanent magnet materials with high performance

Education

2015 - received a diploma NUST MISIS, qualification engineer-physicist;

2019 –graduation from post graduate school, teacher-researcher qualification

Awards

2017 – victory in an open competition for young scientists for the best research work presented at the XIV Conference of Young Researchers and Postgraduates "Physical Chemistry and Technology of Inorganic Materials"

2017 -2020 – Winner of the program “UMNIK” and “START” Fund for Assistance in the Development of Small Forms of Enterprises in the Scientific and Technical Field

2018 - victory in an open competition for young scientists for the best research work presented at the XV Conference of Young Researchers and Postgraduates "Physical Chemistry and Technology of Inorganic Materials"

Participation in Russian and international conferences

The 64 Annual Conference on Magnetism and Magnetic Materials, (MMM2019) 4-8. 11.2019, Las-Vegas, Nevada, USA.

XXII International Conference on Permanent Magnets, 23-27.09.2019, Suzdal, Russia.

METAL2019, 28-th International Conference on Metallurgy and Materials, May 22-24, 2019, Brno, Czech Republic, EU, Ostrava, ISBN 978-80-872-94-91-8

XV International Russian-Chinese Symposium "Advanced materials and technologies" 2019, Sochi, Russia

29-th International Conference on Metallurgy and Materials, Metal2020, May 20-22, 2020, Brno, Czech Republik, EU

34rd MSIT Annual Meeting “International Seminar on Heterogeneous Multicomponent Equilibria”, 16-22 February, 2020, Tagernsee, Germany

Grants

1. Development of highly efficient materials for highly coercive permanent magnets based on the system (Sm, Zr) (Co, Cu, Fe); Program “UMNIK” of the Fund for Assistance to the Development of Small Forms of Enterprises in the Scientific and Technical Field, (2018-2019), head.

2. Development of physico-chemical and technological fundamentals of the liquid phase sintering process of powders of the system (Sm, Zr) (Co, Cu, Fe) Z in a hydrogen atmosphere to increase the hysteresis properties of permanent rare-earth magnets, RFBR grant mol_a 18-33-01070, (2018-2019), head.

3. International project (Russia - Czech Republic) “Development of physico-chemical and technological foundations for creating an innovative resource-saving method for producing high-energy and high-coercive permanent magnets (Nd, R) -Fe-B (R = Pr, Tb, Dy, Ho) with reduced content of rare-earth components», 2018-2022, supported by the Ministry of Science and Higher Education of the Russian Federation, executor.