Curriculum Vitae ROMAN VASIN

Born: 15 January 1981, Tula, USSR (currently Russian Federation)
Citizenship: Russian Federation

GENERAL RESEARCHER INFORMATION:

Scopus Author ID: 6701720570
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EDUCATION:

1997-2002 Undergraduate studies at the Tula State University, Department of Natural Sciences (specialization in physics).

2001-2002 Undergraduate studies at the Interfaculty Centre "The structure of condensed matter and the new materials", Skobeltsyn Institute of Nuclear Physics, Moscow State University & Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research, Dubna (specialisation in condensed matter physics).

2008 Ph.D. Thesis "Neutron diffraction and acoustic investigations of quartz properties in the range of α-β transition, and their influence on geodynamic processes" under Prof. A.N. Nikitin

PROFESSIONAL EXPERIENCE:

2002-2008 Junior Researcher at the Department of Neutron Investigations of Condensed Matter, Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research, Dubna, Russia

2004 Guest Junior Researcher at GeoForschungsZentrum Potsdam, Germany

2008-2014 Researcher at the Department of Neutron Investigations of Condensed Matter, Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research, Dubna, Russia

2012-2013 Post-Doc at the Department of Earth and Planetary Sciences, UC Berkeley, USA

2014-present Senior Researcher at the Department of Neutron Investigations of Condensed Matter, Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research, Dubna, Russia

2016, 2017 Visiting researcher at the Department of Earth and Planetary Sciences, UC Berkeley, USA

2020, 2023 Research assistant at National University of Science and Technology MISIS, Russia

2022, 2023 Lecturer at Dubna State University, Russia

HONORS

Diploma of the Ministry of Education of the Russian Federation for the best student's work on natural and technical sciences and the humanities in high schools of the Russian Federation, 2002

2nd Joint Institute for Nuclear Research prize in applied research, 2007
2nd Joint Institute for Nuclear Research prize in applied research, 2009
1st Joint Institute for Nuclear Research prize in applied research, 2010
2nd Joint Institute for Nuclear Research prize in applied research, 2014
1st Joint Institute for Nuclear Research prize in applied research, 2019

ACTIVITIES

Member of Russian Neutron Scattering Society (RosNeutro).

Reviewer in Geophysics, Journal of Applied Crystallography, Additive Manufacturing and some other journals.

PUBLICATIONS

Currently 62 papers in Russian and international peer-reviewed journals, 1 book, over 50 electronic publications, publications in conference proceedings, experimental reports, etc.

RECENT PUBLICATIONS

1. Shuitcev A.V., Khomutov M.G., Vasin R.N., Li L., Golovin I.S., Zheng Y.F., Tong Y.X. The role of H-phase in thermal hysteresis and shape memory properties in Ni50Ti30Hf20alloy. // Scripta Materialia. 2023. V. 230. 115391. https://doi.org/10.1016/j.scriptamat.2023.115391
2. Vasin R.N., Kunz M., Wenk H.-R., Zepeda-Alarcon E. Crystallographic texture formation in Fe-9wt%Si alloy during deformation and phase transition at high pressure. // Geophysical Journal International. 2023. V. 234. P. 790-806. https://doi.org/10.1093/gji/ggad099
3. Suslov E.A., Postnikov M.S., Titov A.N., Sumnikov S.V., Vasin R.N., Korneeva E.A., Bobrikov I.A., Samoylova N.Yu. Effect of cobalt on structural and electrochemical properties of the $TiSe_2$ system and its sodiation. // The Journal of Physical Chemistry C. 2023. V. 127(47). P. 22889-22896. https://doi.org/10.1021/acs.jpcc.3c05126
4. Shcherbakov A.A., Vasin R.N., Balagurov A.M., Khovaylo V., Golovin I.S. Phase transformations and martensite stabilization in $Ni_{2.36}Mn_{0.64}Ga$ high-temperature shape memory alloy. // Defect and Diffusion Forum. 2023. V. 429. P. 117-126. https://doi.org/10.4028/p-oqvVm1
5. Samoylova N.Yu., Bobrikov I.A., Razanau I., Sumnikov S.V., Vasin R.N., Korneeva E.A., Ponomareva O.Yu., Novikau U. Peculiarities of charge-discharge processes in Prussian white electrodes with different level of dehydration. // Journal of Alloys and Compounds. 2024. V. 983. 173849. https://doi.org/10.1016/j.jallcom.2024.173849

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