

## Основные публикации сотрудников ИФВД РАН за 2022 г.

1. **О.Б. Циок, В.В. Бражкин, А.С. Тверьянович, Е. Бычков**, «Логарифмическая релаксация удельного объема и оптических свойств уплотненного стекла GeS<sub>2</sub>», ЖЭТФ, **161**, 65-74, 2022. (Tsiok, O.B., Brazhkin, V.V., Tverjanovich, A.S., Bychkov, E., “Logarithmic Relaxation of the Specific Volume and Optical Properties of GeS<sub>2</sub> Densified Glass”, Journal of Experimental and Theoretical Physics, **134**(1), 51-59, 2022.)
2. С.Г. Меньшикова, **В.В. Бражкин**, «Влияние высоких давлений на формирование новых соединений в сплаве Al<sub>186</sub>Ni<sub>6</sub>Co<sub>4</sub>Gd<sub>2</sub>Tb<sub>2</sub>», Физика твердого тела, **64**, № 2, 149-154, 2022. (Menshikova, S.G., Brazhkin, V.V., “Effect of High Pressures on the Formation of New Compounds in the Al<sub>186</sub>Ni<sub>2</sub>Co<sub>6</sub>Gd<sub>6</sub> Alloy”, Physics of the Solid State, **64**(4), 197-203, 2022.)
3. **S.G. Menshikova, A.A. Shushkov, V.V. Brazhkin**, “Microstructure and Physical and Mechanical Properties of the Al<sub>90</sub>Gd<sub>10</sub> Binary Alloy after Barothermal Treatment”, Physics of the Solid State, **64**(4), 204-209, 2022.
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5. **E.L. Gromnitskaya, I.V. Danilov, V.V. Brazhkin**, “Ultrasonic study of 1-X adamantane (X = F, Cl, Br) compounds at high pressure and at order-disorder transitions”, Physical Chemistry Chemical Physics, **24**(30), 18022-18027, 2022.
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8. **M. Kondrin, Y. Lebed, V. Brazhkin**, “Intrinsic Planar Defects in Germanium and Their Contribution to the Excess Specific Heat at High Temperatures”, Physica Status Solidi (B): Basic Research, **259**(2), 2100463, 2022.
9. **M.V. Kondrin, Y.B. Lebed, Y.V. Grigoriev, V.V. Brazhkin**, “Diamond subhydride: unraveling the mystery of “n-diamond”, CrystEngComm, **24**(38), 6724-6729, 2022.
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12. **S.I. Ninenko, V.V. Brazhkin**, “Setup for precision optical studies of supercritical fluids in wide temperature range at high pressures up to 1 GPa”, Review of Scientific Instruments, **93**, 113905, 2022.
13. **Y.D. Fomin, E.N. Tsiok, V.N. Ryzhov, V.V. Brazhkin**, “Glass Transition in Monoatomic Systems: Dilution of One Structure or Competition between Two Structures?”, Russian Journal of Physical Chemistry A, **96**(7), 1381-1385, 2022.

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