

Список избранных публикаций
официального оппонента Хмеленко Владимира Васильевича
за последние 5 лет.

1. S. Mao, A. Meraki, P. T. McColgan, V. Shemelin, V. V. Khmelenko, and D. M. Lee, Experimental setup for investigation of nanoclusters at cryogenic temperatures by electronic spin resonance and optical spectroscopies, *Rev. Sci. Instrum.* 85, 073906 (2014)
2. S. Sheludyakov, J. Ahokas, J. Jarvinen, D. Zvezdov, O. Vainio, L. Lehtonen, S. Vasiliev, S. Mao, V.V. Khmelenko, D.M. Lee, Dynamic nuclear polarization of high density atomic hydrogen in solid mixture of molecular hydrogen isotopes, *Phys. Rev. Lett.* 113, 265303 (2014).
3. R.E. Boltnev, I.B. Bykhalo, I.N. Krushinskaya, A.A. Pelmenev, V.V. Khmelenko, S. Mao, A. Meraki, S.C. Wilde, P.T. McColgan, D.M. Lee, Optical and electron spin resonance studies of xenon-nitrogen-helium condensates containing nitrogen and oxygen atoms, *Journal of Physical Chemistry A* 119, 2438-2448 (2015).
4. S. Sheludiakov, J. Ahokas, J. Jarvinen, O. Vainio, L. Lehtonen, D. Zvezdov, V. Khmelenko, D.M. Lee, S. Vasiliev, Electron Spin Resonance Study of Electrons Trapped in Solid Molecular Hydrogen Films, *J Low Temp Phys.* 183, 120-126 (2016).
5. S. Sheludiakov, J. Ahokas, J. Jarvinen, D. Zvezdov, L. Lehtonen, O.Vainio, S. Vasiliev, D.M. Lee, and V.V. Khmelenko, Tunneling chemical exchange reaction $D+HD \rightarrow D_2+H$ in solid HD and D_2 at temperatures below 1 K, *Phys Chem. Chem. Phys.* 18, 29600-29606 (2016).
6. S. Sheludiakov, J. Ahokas, J. Jarvinen, L. Lehtonen, O.Vainio, S. Vasiliev, D.M. Lee, and V.V. Khmelenko, ESR study of atomic hydrogen and tritium in solid T_2 and $T_2:H_2$ matrices below 1 K, *Phys. Chem. Chem. Phys.* 19, 2834-2842 (2017).
7. S. Sheludiakov, J. Ahokas, J. Jarvinen, L. Lehtonen, O.Vainio, S. Vasiliev, D.M. Lee, and V.V. Khmelenko, Dynamic nuclear polarization and relaxation of H and D atoms in solid mixtures of hydrogen isotopes, *J. Low Temp. Phys.* 187, 43-53 (2017)
8. A. Meraki, P.T. McColgan, R.E. Boltnev, D.M. Lee, and V.V. Khmelenko, Electron Spin Resonance Studies of Nitrogen Atoms Stabilized in Impurity-Helium Condensates, *J. Low Temp. Phys.* 192, 224-240 (2018).

9. P.T. McColgan, S. Sheludiakov, R.E. Boltnev, D.M. Lee and V.V. Khmelenko, Luminescence of ND radicals during the destruction of molecular nitrogen nanoclusters. Chemical Physics, 516, 33-37 (2019).

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