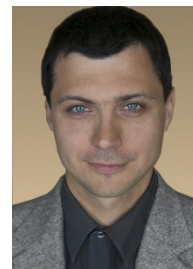


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Selected publications

- [01] Determination Of CO Line Strengths In The 2-0 Band With Extensive Uncertainty Budget Analysis, Anton Serdyukov, Viktor Werwein, Jens Brunzendorf, Olav Werhahn, Volker Ebert, EUMETRISPEC Stakeholder Workshop, Okt. 2014.
- [02] Custom-designed optical measurement cell for temperature dependent FTIR measurements of spectral line data, Anton Serdyukov, Anne Rausch, Viktor Werwein, Jens Brunzendorf, Olav Werhahn, Volker Ebert J, 78. DPG-Jahrestagung und Frühjahrstagung der Sektion AMOP, Berlin, Germany; 03/2014
- [03] Raman spectroscopic investigations of the antiferromagnetic alpha-phase of solid oxygen at low pressures (up to 1.25 Gpa), J. Kreutz, A. Serdyukov, H.J. Jodl J. Phys: Condens. Matter 16 (2004) 6415-6430.
- [04] Pressure Induced Reactivity of Solid CO by FTIR Studies, Matteo Ceppatelli, Anton Serdyukov, Roberto Bini, and Hans J. Jodl, J. Phys. Chem. B 2009, 113, 6652-6660.
- [05] Lattice phonons of solid phases of carbon monoxide by optical studies, A. Serdyukov, M. Vetter, A. Brodyanski, and H.J. Jodl, Low Temp. Phys. 36, 424 (2010)