

Seznam publikací (chronologicky)

- [1] Kubelík, P.; Civiš, S.; Pastorek, A., FTIR laboratory measurement of Ne I Rydberg states in 1.43-14.3 μm spectral range. *Astron. Astrophys.*, 582, A12 (2015)
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- [3] Ferus, M.; Kubelík, P.; Knížek, A.; Pastorek, A. et al., High Energy Radical Chemistry Formation of HCN- rich Atmospheres on early Earth. *Nature Sc. Rep.*, 7, 6275 (2017)
- [4] Civiš, S.; Kubelík, P.; Ferus, M.; Zanozina, E. M.; Pastorek, A. et al., FTIR Laboratory Measurement of O I Spectra in the 0.77-12.5 μm Spectral Range: Rydberg States and Oscillator Strengths. *Astrophys. J. Suppl. S.*, 239, 1, 11 (2018)
- [5] Ferus, M.; ...; Pastorek, A. et al., Prebiotic synthesis initiated in formaldehyde by laser plasma simulating high-velocity impacts. *Astron. Astrophys.*, 626, A52 (2019)
- [6] Pastorek, A.; Hrnčířová, J.; Jankovič, L. et al., Prebiotic synthesis at impact craters: the role of Fe-clays and iron meteorites. *Chem. Comm.*, 55, 10563 (2019)
- [7] Ferus, M.; ...; Pastorek, A. et al. Main spectral features of meteors studied using a terawatt-class high-power laser. *Astron. Astrophys.*, 630, A127 (2019)
- [8] Ferus, M.; ...; Pastorek, A. et al., Elemental composition, mineralogy and orbital parameters of the Porangaba meteorite. *Icarus*, 341, UNSP 113670 (2020)
- [9] Civiš, S.; Kubelík, P.; Pastorek, A. et al. Kr I spectra in the 5-14 μm range. *JQSRT*, 249, UNSP 106985 (2020)
- [10] Civiš, S.; Zanozina, E. M.; Pastorek, A. et al. Atomic emission spectra of neutral noble gases in the infrared spectral range. *Springer* (Springer series in chemical physics 122), ISBN 978-3-030-47351-8 (2020)
- [11] Pastorek, A.; Ferus, M.; Šrámek, O. et al. Primordial radioactivity and prebiotic chemical evolution: Effect of γ radiation on formamide-based synthesis. *J. Phys. Chem. B*, 124, 41, 8951–8959 (2020)
- [12] Pastorek, A.; Civiš, S.; Clark, V. H. J. et al. Fourier transform infrared emission spectroscopy of CO $\Delta v = 1$ and $\Delta v = 2$ extended bands in the ground $X^1\Sigma^+$ state produced by formamide glow discharge. *JQSRT*, 262, 107521 (2021)

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- [14] Ferus, M.; Adam, V.; ...; Pastorek, A. et al. Ariel - a window to the origin of life on early earth? *Experimental Astronomy* (2020)
- [15] Zemánková, K.; Nejd, L.; ...; Pastorek, A. et al. Micellar electrokinetic chromatography as a powerful analytical tool for research on prebiotic chemistry. *Microchemical Journal* (2021)
- [16] Civiš, S.; Kubelík, P.; Zanozina, E. M.; Pastorek, A. et al. FTIR laboratory measurement of He I spectra in the 6.5–14 μm spectral range: Transitions involving f, g, h, and i states. *JQSRT*, 262, 107523 (2021)
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