

LIST OF PUBLICATION**Pavel Kubát***J. Heyrovský Institute of Physical Chemistry, Academy of Sciences of the Czech Republic
Dolejškova 3, 182 23 PRAHA 8, Czech Republic***Original papers**

1. Bould J., Baše T., Londesborough M. G. S, Oro L. A., Macías R., Kennedy J. D., Kubát P., Fuciman M., Polívka T., Lang K.: Reversible Capture of Small Molecules On Bimetalloporphyrin Clusters: Synthesis, Structural Characterization and Photophysical Aspects. *Inorg. Chem.* **50**, 7511–7523 (2011).
2. Civiš S., Ferus M., Kubát P., Zúkalová M., Kavan, L.: Oxygen-Isotope Exchange between CO₂ and Solid Ti₁₈O₂. *J.Phys.Chem. C* **115**,11156–11162 (2011).
3. Ferus M., Civiš S., Kubelík P., Nevrlý V., Bítala P., Grigorová E., Střížík M. Kubát P, Zelinger Z.: Time-resolved Fourier Transform Emission Spectroscopy of Fire Extinguishing Agents CF₃Br and CF₃CFHCF₃ in Pulsed Electrical Discharge. *Plasma Chem. Plasma Process.* **31**, 417–426 (2011).
4. Kubát P., Šebera J., Zálíš S., Langmaier J., Fuciman M., Polívka T., Lang K., Charge Transfer in Porphyrin – Calixarene Complexes: Ultrafast Kinetics, Cyclic Voltammetry, and DFT calculations. *Phys. Chem. Chem. Phys.* **13**, 6916–6923 (2011).
5. Mosinger J., Lang K., Hostomský J., Franc J., Sýkora J., Hof M., Kubát P.: Imaging of Tetraphenylporphyrin and O₂(¹Δ_g) in Polymeric Nanofibers. *J.Phys.Chem B* **114**, 15773–15779 (2010).
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10. Kovanda F., Jindová E., Lang K., Kubát P., Sedláková Z. Preparation of layered double hydroxides intercalated with organic anions and their application in LDH/poly(butylmethacrylate) nanocomposites. *Appl. Clay Sci.* **48**, 260–270 (2010).
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12. Skřínský J., Janečková R., Grigorová E., Střížík M., Kubát P., Herecová L., Nevrlý V., Zelinger Z., Civiš S. Allan variance for optimal signal averaging - stable and unstable molecules monitoring by diode-laser and CO₂ laser photo-acoustic spectroscopy *J. Mol. Spectrosc.* **256**, 99-101 (2009).
13. Herecová L., Hejzlar T., Pavlovský J., Míček D., Zelinger Z., Kubát P., Janečková R., Nevrlý V., Bítala P., Střížík M., Klouda K., Civiš S. CO₂-laser photoacoustic detection of gaseous n-pentylacetate. *J. Mol. Spectrosc.* **256**, 109-110 (2009).
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