

List of publications:

1. Stach, M., Kroneková, Z., Kasák, P., Kollár, J., Pentrák, M., Mičušík, M., Chorvát, D., Nunney, T.S., Lacík, I. "Polysulfobetaine films prepared by electrografting technique for reduction of biofouling on electroconductive surfaces". *Applied Surface Science*, 257 (2011), 10795-10801.
2. Lukeš V., Ilčin M., Kollár J., Hrdlovič P., Chmela Š., „On the geometrical structure and spectral properties of pyrene monomer and sterically constrained intramolecular pyrene dimers“. *Chemical Physics*. 377 (2010) 123-131.
3. Kollár, J., Hrdlovič, P., Chmela., "Spectral properties of bichromophoric pyrene derivatives: Monomer vs. excimer fluorescence". *Journal of Photochemistry and Photobiology A: Chemistry*. 214 (2010) 33-39.
4. Nedelčev T., Krupa I., Hrdlovič P., Kollár J., Chorvát D., Lacík I., „Silica hydrogel formation and aging monitored by pyrene-based fluorescence probes“. *Journal of Sol-gel Science and Technology*. 55 (2010) 143-150.
5. Kollár, J., Hrdlovič, P., Chmela., "Synthesis and spectral characteristics of substituted 1,8-naphthalimides Intramolecular quenching by mono-nitroxides". *Journal of Photochemistry and Photobiology A: Chemistry*. 204 (2009) 191–199.
6. Kollár, J., Hrdlovič, P., Chmela, Š., Sarakha, M., Guyot, G., "Synthesis and spectral characteristics of di-substituted 1,8-naphthalimides: Bi-radical formation". *Journal of Photochemistry and Photobiology A: Chemistry*. 195 (2008) 64-71.
7. Jean-Michel Thomassin; Jozef Kollár; Giuseppe Caldarella; Albert Germain; Robert Jérôme and Christophe Detrembleur., "Beneficial effect of carbon nanotubes on the performances of Nafion membranes in fuel cell applications", *Journal of Membrane Science*. 303 (2007) 252–257.
8. Kósa C., Mosnáček J., Bilešová A., Kasák P., Kronek J., Danko M., Kollár J., „Synthesis, oxidation and photophysical properties of novel derivatives of acyclic aromatic amines“. *Collection of Czechoslovak Chemical Communications*. 72 (2007) 1255-1268.
9. Kollár, J., Hrdlovič, P., Chmela, Š., Sarakha, M., Guyot, G., "Synthesis and transient absorption spectra of derivatives of 1,8-naphthalic anhydrides and naphthalimides containing 2,2,6,6-tetramethylpiperidine; triplet route of deactivation". *Journal of Photochemistry and Photobiology A: Chemistry*. 170 (2005) 151-159.
10. Chmela, Š., Kollár, J., Hrdlovič, P., Guyot, G., Sarakha, M., "Preparation and photophysics of 2-(1-pyrenyl)acrylic acid and its methyl and 2',2',6',6'-tetramethyl-4'-piperidyl esters". *Journal of Fluorescence*. 15 (2005) 243-253.
11. Kollár, J., Hrdlovič, P., Chmela, Š., Sarakha, M., Guyot, G., "Spectral properties of probes based on pyrene and piperazine: the singlet and triplet route of deactivation". *Journal of Photochemistry and Photobiology A: Chemistry*. 171 (2005) 27-38.