

## Publications scientifiques du PPSM – année 2008

- 1** Efficient photoswitching of the nonlinear optical properties of dipolar photochromic Zinc(II) complexes  
V. Aubert, V. Guerschais, E. Ishow, K. Hoang-Thi, I. Ledoux, K. Nakatani and H. Le Bozec  
*Angew. Chem., Int. Ed.*, **2008**, 47(3), 577-580
- 2** History of the Kohlrausch (stretched exponential) function: Pioneering work in luminescence  
M. Berberan-Santos, E. N. Bodunov and B. Valeur  
*Annalen Der Physik*, **2008**, 17(7), 460-461
- 3** Luminescence Decays with Underlying Distributions of Rate Constants: General Properties and Selected Cases  
M. N. Berberan-Santos, E. N. Bodunov and B. Valeur  
In *Fluorescence of Supramolecules, Polymers, and Nanosystems*, Berberan-Santos, M. N., Ed. Springer-Verlag: Berlin, **2008**; Vol. 4, pp 67-103.
- 4** Pitfalls and limitations in the practical use of Forster's theory of resonance energy transfer  
S. E. Braslavsky, E. Fron, H. B. Rodriguez, E. S. Roman, G. D. Scholes, G. Schweitzer, B. Valeur and J. Wirz  
*Photochem. Photobiol. Sci.*, **2008**, 7(12), 1444-1448
- 5** Multistep anchoring of a catalytically active ruthenium complex in porous mesostructured silica  
S. Calmettes, B. Albela, O. Hamelin, S. Menage, F. Miomandre and L. Bonneviot  
*New J. Chem.*, **2008**, 32(4), 727-737
- 6** Practical Synthesis of Bredemolic Acid, a Natural Inhibitor of Glycogen Phosphorylase  
K. G. Cheng, P. Zhang, J. Liu, J. Xie and H. B. Sun  
*J. Nat. Prod.*, **2008**, 71(11), 1877-1880
- 7** Investigation by mass spectrometry of metal complexes of new molecular hosts: cyclic oligomer of sugar amino acid and sugar-aza-crown ethers  
F. Fournier, C. Afonso, M. Menand, L. Hamon, J. Xie and J. C. Tabet  
*European Journal of Mass Spectrometry*, **2008**, 14(2), 61-69
- 8** Preparation and physicochemical studies of new multiple rings s-tetrazines  
Y. H. Gong, P. Audebert, G. Clavier, F. Miomandre, J. Tang, S. Badre, R. Meallet-Renault and E. Naidus  
*New J. Chem.*, **2008**, 32(7), 1235-1242
- 9** Intramolecular electronic excitation energy transfer in donor/acceptor dyads studied by time and frequency resolved single molecule spectroscopy  
G. Hinze, R. Metivier, F. Nolde, K. Mullen and T. Basche  
*J. Chem. Phys.*, **2008**, 128(12), 124516

- 10** Multicolor Emission of Small Molecule-Based Amorphous Thin Films and Nanoparticles with a Single Excitation Wavelength  
E. Ishow, A. Brosseau, G. Clavier, K. Nakatani, P. Tauc, C. Fiorini-Debuisschert, S. Neveu, O. Sandre and A. Leaustic  
*Chem. Mater.*, **2008**, 20(21), 6597-6599
- 11** Synthesis of beta-C-glycopyranosyl-1,4-naphthoquinone derivatives and their cytotoxic activity  
L. Lin, X. P. He, Q. Xu, G. R. Chen and J. Xie  
*Carbohydr. Res.*, **2008**, 343(4), 773-779
- 12** beta-C-Glycosiduronic acids and beta-C-glycosyl compounds: New PTP1B inhibitors  
L. Lin, Q. Shen, G. R. Chen and J. Xie  
*Bioorg. Med. Chem. Lett.*, **2008**, 18(24), 6348-6351
- 13** Synthesis of triazole-linked beta-C-glycosyl dimers as inhibitors of PTP1B  
L. Lin, Q. Shen, G. R. Chen and J. Xie  
*Bioorg. Med. Chem.*, **2008**, 16(22), 9757-9763
- 14** Excitation transfer in functionalized carbon nanotubes  
G. Magadur, J. S. Lauret, V. Alain-Rizzo, C. Voisin, P. Roussignol, E. Deleporte and J. A. Delaire  
*ChemPhysChem*, **2008**, 9(9), 1250-1253
- 15** Benzothiadiazoyl-triazoyl cyclodextrin: a selective fluoroionophore for Ni(II)  
S. Maisonneuve, Q. Fang and J. Xie  
*Tetrahedron*, **2008**, 64(37), 8716-8720
- 16** Novel BODIPY preparations from sterically hindered pyrroles. Synthesis and photophysical behavior in solution, polystyrene nanoparticles, and solid phase  
R. Meallet-Renault, G. Clavier, C. Dumas-Verdes, S. Badre, E. Y. Shmidt, A. I. Mikhaleva, C. Laprent, R. Pansu, P. Audebert and B. A. Trofimov  
*Russian Journal of General Chemistry*, **2008**, 78(11), 2247-2256
- 17** Fluorescence microscopy coupled to electrochemistry: A powerful tool for the controlled electrochemical switch of fluorescent molecules  
F. Miomandre, R. Meallet-Renault, J. J. Vachon, R. B. Pansu and P. Audebert  
*Chem. Commun.*, **2008**, 16), 1913-1915
- 18** Synthesis, crystal structure and non-linear optical properties of boronates derivatives of salicylideneiminophenols  
B. M. Munoz, R. Santillan, M. Rodriguez, J. M. Mendez, M. Romero, N. Farfan, P. G. Lacroix, K. Nakatani, G. Ramos-Ortiz and J. L. Maldonado  
*J. Organomet. Chem.*, **2008**, 693(7), 1321-1334
- 19** Structural, optical, and theoretical studies of a thermochromic organic crystal with reversibly variable second harmonic generation

M. Sliwa, A. Spangenberg, I. Malfant, P. G. Lacroix, R. Metivier, R. B. Pansu and K. Nakatani

*Chem. Mater.*, **2008**, 20(12), 4062-4068

**20** Organic crystals for second harmonic generation switching based on anil photochromes

M. Sliwa, A. Spangenberg, R. Metivier, S. Letard, K. Nakatani and P. Yu

*Res. Chem. Inter.*, **2008**, 34(2-3), 181-190

**21** Rhod-5N as a Fluorescent Molecular Sensor of Cadmium(II) Ion

M. Soibinet, V. Souchon, I. Leray and B. Valeur

*J. Fluoresc.*, **2008**, 18(6), 1077-1082

**22** Photophysics of cyclic multichromophoric systems based on beta-cyclodextrin and calix[4]arene with appended pyridin-2'-yl-1,2,3-triazole groups

V. Souchon, S. Maisonneuve, O. David, I. Leray, J. Xie and B. Valeur

*Photochem. Photobiol. Sci.*, **2008**, 7(11), 1323-1331

**23** Scanning-less wide-field single-photon counting device for fluorescence intensity, lifetime and time-resolved anisotropy imaging microscopy

J. A. Spitz, R. Yasukuni, N. Sandeau, M. Takano, J. J. Vachon, R. Meallet-Renault and R. B. Pansu

*Journal of Microscopy-Oxford*, **2008**, 229(1), 104-114

**24** A short-cut from 1-acetyl adamantane to 2-(1-adamantyl)pyrroles

B. A. Trofimov, E. Y. Schmidt, N. V. Zorina, E. Y. Senotrusova, N. I. Protsuk, I. A. Ushakov, A. I. Mikhaleva, R. Meallet-Renault and G. Clavier

*Tetrahedron Lett.*, **2008**, 49(28), 4362-4365

**25** Valeur, B., From Well-Known to Underrated Applications of Fluorescence. In *Fluorescence of Supramolecules, Polymers, and Nanosystems*, Berberan-Santos, M. N., Ed. Springer-Verlag: Berlin, **2008**; Vol. 4, pp 21-43.

**26** "Push-pull" 2-ferrocenyl-4-hydroxythiazoles: A novel method of the construction of the thiazole ring

A. Wrona, J. Zakrzewski, L. Jerzykiewicz and K. Nakatani

*J. Organomet. Chem.*, **2008**, 693(18), 2982-2986

**27** Determination of natural and synthetic endocrine-disrupting chemicals (EDCs) in sewage based on SPE and MEKC with amperometric detection

T. Wu, W. Y. Wang, L. M. Jiang, Q. C. Chu, J. Delaire and J. N. Ye

*Chromatographia*, **2008**, 68(5-6), 339-344

**28** Synthesis of novel photolabile glycosides from methyl 4,6-O-(o-nitro)benzylidene-alpha-D-glycopyranosides

C. J. Zhu, H. Yi, G. R. Chen and J. Xie

*Tetrahedron*, **2008**, 64(47), 10687-10693