

## Publications

- 1. Two-Photon-Triggered Drug Delivery in Cancer Cells via Nanoimpellers**  
J. Croissant, M. Maynadier, A. Gallud, H. Peindy N'Dongo, J. L. Nyalosaso, G. Derrien, C. Charnay, J.-O. Durand, L. Raehm, F. Serein-Spirau, N. Cheminet, T. Jarrosson, O. Mongin, M. Blanchard-Desce, M. Gary-Bobo, M. Garcia, Jie Lu, F. Tamanoi, D. Tarn, T. M. Guardado-Alvarez, J. I. Zink *Angew. Chem. Int. Ed.* **2013**, *52*, 1-6
- 2. DFT and TDDFT investigations of new thienopyrazine-based dyes for solar cells: Effects of electron donor groups**  
M. Bourass, A. Fitri, A. Touimi Benjelloun, M. Benzakour, M. Mcharfi, M. Hamidi, F. Serein-Spirau, T. Jarrosson, J. P. Lère-Porte, J. M. Sotiropoulos and M. Bouachrine *Der Pharma Chemica*, **2013**, *5*, 144-153
- 3. Interfacial exciplex formation in bilayers of conjugated polymers**  
R. S. Nobuyasu, K. A. S. Araujo, L. A. Cury, T. Jarrosson, F. Serein-Spirau, J.-P. Lère-Porte, F. B. Dias, A. P. Monkman *J. Chem. Phys.* **2013**, *139*, 164908
- 4. Generating Long Supramolecular Pathways with a Continuous Density of States by Physically Linking Conjugated Molecules via Their End Groups**  
R. Shokri, M.-A. Lacour, T. Jarrosson, J.-P. Lère-Porte, F. Serein-Spirau, K. Miqueu, J.-M. Sotiropoulos, F. Vonau, D. Aubel, M. Cranney, G. Reiter, L. Simon *J. Am. Chem. Soc.*, **2013**, *135*, 5693–5698.
- 5. Linear and Nonlinear Optical Properties of the Thiophene/Phenylene-Based Oligomer and Polymer**  
M.G. Vivas, S.L. Nogueira, H.S. Silva, N.M.B. Neto, A. Marletta, F. Serein-Spirau, S. Lois, T. Jarrosson, L. De Boni, R.A. Silva, C.R. Mendonca *J. Phys. Chem B.* **2011**, *115*, 12687-12693.
- 6. One pot synthesis of fluorescent pi-conjugated materials: immobilization of phenylene-ethynylene polyelectrolytes in silica confined ionogels**  
N. Cheminet, T. Jarrosson, J.P. Lere-Porte, F. Serein-Spirau, L. Cury, J. Moreau, L. Viau, A. Vioux *J. Mat. Chem.* **2011**, *21*, 13588-13593.
- 7. Molecular hydrogen storage in spherophanes: a molecular mechanic investigation**  
A. Saal, O. Ouamerali, C. A. Daul, T. Jarrosson *J. Chem. Chem. Eng.* **2011**, *5*, 217-228.
- 8. Molecular hydrogen encapsulation in spherophanes**  
A. Saal, T. Jarrosson, O. Ouamerali, C. A. Daul *Chem. Phys. Lett.* **2009**, *480*, 225-230.
- 9. Synthesis of planar five-connected nodal ligands**  
O. Oms, T. Jarrosson, L. H. Tong, A. Vaccaro, G. Bernardinelli, A. F. Williams *Chem. Eur J.* **2009**, *15*, 5012-5022
- 10. Theoretical study of the geometrical and electronic structures and thermochemistry of spherophanes**  
A. Saal, C. A. Daul, T. Jarrosson and O. Ouamerali *J. Mod. Model.*, **2009**, *15*, 1067-1078.
- 11. Structures and solution dynamics of pseudorotaxanes mediated by alkali-metal cations**  
S. I. Pascu, C. Naumann, G. Kaiser, A. D. Bond, J. K. M. Sanders and T. Jarrosson *Dalton Trans.*, **2007**, 3874 - 3884

- 12. Preparation of Star-Shaped Pentapyridyl Ligands for the formation of Giant Fullerene-Like Molecules by coordination Chemistry**  
T. Jarrosson, O. Oms, A. F. Williams *Chima* **2007**, *61*, 184-185
- 13. Approaches to Open Fullerenes: Synthesis and Kinetic Stability of Diels-Alder Adducts of Substituted Isobenzofurans and C<sub>60</sub>**  
M. Sander, T. Jarrosson, S.-C. Chuang, S. I. Khan, Y. Rubin *J. Org. Chem.* **2007**, *72*, 2724 - 2731
- 14. Approaches to Open Fullerenes: Synthesis and Thermal Stability of *cis-1* Bis(isobenzofuran) Diels-Alder Adducts of C<sub>60</sub>**  
S.-C. Chuang, M. Sander, T. Jarrosson, S. James, E. Rozumov, S. I. Khan, Y. Rubin *J. Org. Chem.* **2007**, *72*, 2716 – 2723
- 15. Large-scale synthesis of alkyne-linked tripodal porphyrins via palladium-mediated coupling conditions.**  
Lok H. Tong, S. I. Pascu, T. Jarrosson, and J. K. M. Sanders, *Chem. Commun.*, **2006**, 1085-1087
- 16. Amplification of Acetylcholine-Binding Catenanes from Dynamic Combinatorial Libraries.**  
T. S. R. Lam, A. Belenguer, S. L. Roberts, C. Naumann, T. Jarrosson, S. Otto, J. K. M. Sanders, *Science*, **2005**, *308*, 667-669.
- 17. Dynamic Synthesis of a Macrocycle Containing a Porphyrin and an Electron Donor.**  
A. L. Kieran, S. I. Pascu, T. Jarrosson, M. J. Gunter, J. K. M. Sanders, *Chem. Commun.*, **2005**, 1842-1844.
- 18. Inclusion of C<sub>60</sub> into an Adjustable Porphyrin Dimer Generated by Dynamic Disulfide Chemistry.**  
A. L. Kieran, S. I. Pascu, T. Jarrosson, and J. K. M. Sanders, *Chem. Commun.*, **2005**, 80-89
- 19. Cation-Reinforced Donor-Acceptor Pseudorotaxanes**  
S. I. Pascu, T. Jarrosson, C. Naumann, S. Otto, G. Kaiser, J. K. M. Sanders, *New J. Chem.* **2005**, *29*, 80-89.
- 20. Redox-Controllable Donor-Acceptor Neutral [2]Rotaxanes Switchable Neutral Bistable Rotaxanes**  
S. A. Vignon, T. Jarrosson, T. Iijima, H.-R. Tseng, J. K. M. Sanders, V. Balzani, J. F. Stoddart, *Chem. Eur. J.* **2004**, *10*, 6375-6392.
- 21. Switchable Neutral Bistable Rotaxanes**  
S. A. Vignon, T. Jarrosson, T. Iijima, H.-R. Tseng, J. K. M. Sanders, J. F. Stoddart, *J. Am. Chem. Soc.* **2004**, *126*, 9884-9885.
- 22. Lithium-Templated Synthesis of a Donor–Acceptor Pseudorotaxane and Catenane**  
G. Kaiser, T. Jarrosson, S. Otto, Y. Ng, A. D. Bond, J. K. M. Sanders, *Angew. Chem. Int. Ed.* **2004**, *43*, 1959-1962.
- 23. Synthesis of stable derivatives of C<sub>62</sub>: The first nonclassical fullerene incorporating a four-membered ring**  
W.Y. Qian, S. C. Chuang, R.B. Amador, T. Jarrosson, M. Sander, S. Pieniazek, S.I. Khan, Y. Rubin, *J. Am. Chem. Soc.* **2003**, *125*, 2066-2067.
- 24. Insertion of Helium and Molecular Hydrogen Inside an Open Fullerene**  
T. Jarrosson, G.-W. Wang, M. D. Bartberger, A. Kong, G. Schick, K. N. Houk, M. Saunders, Y. Rubin, *Angew. Chem. Int. Ed.* **2001**, *40*, 1543-1546.
- 25. Photophysics of Open C<sub>60</sub> Derivatives**

R. Stackow, G. Schick, T. Jarrosson, Y. Rubin, C. S. Foote, *J. Phys. Chem. B* **2000**, *104*, 7914 -7918.

**26. Formation of an Effective Opening within the Fullerene Core of C<sub>60</sub> by an Unusual Reaction Sequence**

G. Schick, T. Jarrosson, Y. Rubin, *Angew. Chem. Int. Ed. Engl.* **1999**, *38*, 2360-2363.

**27. Synthesis and X-ray Characterization of an Octaalkynyl Dibenzo-octadehydro[12]annulene**

J. D. Tovar, N. Jux, T. Jarrosson, S. I. Khan, Y. Rubin, *J. Org. Chem.* **1997**, *62*, 3432-3433.