

PUBLICATIONS

1 Articles dans des revues et journaux à comité de lecture

1) Stereoselective Syntheses, Structures and Properties of Extremely Distorted Chiral Nanographenes Embedding Hextuple Helicenes.

Roy, M.; Bereznaia, V.; Villa, M.; Vanthuynne, N.; Giorgi, M.; Naubron, J.-V.; Poyer, S.; Monnier, V.; Charles, L.; Carissan, Y.; Hagebaum-Reignier, D.; Rodriguez, J.; Gingras, M.; Coquerel, Y. *Angew. Chem. Int. Ed.* 2020, 59, 3264–3271.

2) Pentasulfurated Benzene-Cored Asterisks: Relation Between Crystal Structure and Luminescence Properties.

Villa, M.; D'agostino, S.; Sabatino, P.; Noel, R.; Busto, J.; Roy, M.; Gingras, M.; Ceroni, P. *New J. Chem.* 2020, 44, 3249–3254.

3) Bright Phosphorescence of All-Organic Chromophores Confined within Water-Soluble Silica Nanoparticles.

Villa, M.; Del Secco, B.; Ravotto, L.; Roy, M.; Rampazzo, E.; Zaccheroni, N.; Prodi, L.; Gingras, M.; Vinogradov, S.; Ceroni, P. *J. Phys. Chem. C* 2019, 123, 29884–29890.

4) A turn-on phosphorescent sensor of Pb²⁺ in water by the formation of a coordination polymer.

Villa, M.; Roy, M.; Bergamini, G.; Gingras, M.; Ceroni, P. *Dalton Trans.* 2019, 48, 3815–3818.

5) Delaying Anticancer Drug Delivery by Self-Assembly and Branching Effects of Minimalist Dendron-Drug Conjugates.

Correard, F.; Roy, M.; Terrasson, V.; Braguer, D.; Estève, M.-A.; Gingras, M. *Chem. Eur. J.* 2019, 25, 9586-9591, **cover page**.

6) A Chiral Nanographene Propeller Embedding Six Enantiomerically Stable [5]Helicene Units. (6 citation)

Bereznaia, V.; Roy, M.; Vanthuynne, N.; Villa, M.; Naubron, J.-N.; Rodriguez, J.; Coquerel, Y.; Gingras, M. *J. Am. Chem. Soc.* 2017, 139, 18508–18511, **cover page**.

7) Gold Nanoparticles Prepared by Laser Ablation in Aqueous Biocompatible Solutions: Assessment of Safety and Biological Identity for Nanomedicine Applications. (17 citations)

Correard, F.; Maximova, K.; Esteve, M.-A.; Villard, C.; Roy, M.; Al-Kattan, A.; Sentis, M.; Gingras, M.; Kabashin, A. V.; Braguer, D. *Intern. J. of Nanomedicine* 2014, 9, 5415-5430.

8) Benzylic-Type Couplings Provide an Important Asymmetric Entry to Functionalized, Non-Racemic Helicenes.

Terrasson, V. ; Roy, M. ; Moutard, S. ; Lafontaine, M.-P. ; Pèpe, G. ; Félix, G. ; Gingras M. *RSC Advances*, 2014, 4, 32412-32414.

9) Molecular Asterisks with a Persulfurated Benzene Core are Among the Strongest Organic Phosphorescent Emitters in the Solid State. (25 citations)

Fermi, A. ; Bergamini, G. ; Peresutti, R. ; Marchi, E. ; Roy, M. ; Ceroni, P. ; Gingras, M. *Dyes and Pigments*, 2014, 110, 113-122.

10) Synthesis, Characterization, and Metal Ion Coordination of a Multichromophoric Highly Luminescent Polysulfurated Pyrene. (6 citations)

Fermi, A.; Ceroni, P.; Roy, M.; Gingras, M.; Bergamini, G. *Chem. Eur. J.*, 2014, 20, 10661-10668 **back cover page – Young Chemists Special Issue**.

11) Turn-on Phosphorescence by Metal Coordination to a Multivalent Terpyridine Ligand: A New Paradigm for Luinescent Sensors. (64 citations)

Fermi, A. ; Bergamini, G. ; Roy, M. ; Gingras, M. ; Ceroni, P. *J. Am. Chem. Soc.* **2014**, *136*, 6395-6400.

Article highlighted as one of the 6 publications of the week on May 26, 2014, as “**Noteworthy Chemistry**“ by ACS (American Chemical Society, May 26, 2014),

<http://www.acs.org/content/acs/en/noteworthy-chemistry/2014-archive/may-26.html#nc3>

12) Species-dependent Binding of Tocainide Analogues to Albumin: Affinity Chromatography and Circular Dichroism Study. (4 citations)

Pistolozzi, M. ; Fortugno, C. ; Franchini, C. ; Corbo, F. ; Muraglia, M. ; Roy, M. ; Felix, G. ; Bertucci, C. *J. Chromatogr. B*, **2014**, *968*, 69-78.

13) Green chiral HPLC study of the stability of Chiralcel OD under high temperature liquid chromatography and subcritical water conditions. (3 citations)

Droux, S. ; Roy, M. ; Félix, G. *J. Chromatogr. B*, **2014**, *968*, 22-25.

14) The Marine Polyketide Myriaporone 3/4 Stalls Translation by Targeting the Elongation Phase (3 citations)

Muthukumar, Y.; Roy, M.; Raja, A.; Taylor, R. E.; Sasse, F. *ChemBioChem* **2013**, *14*, 260-264.

15) Measurement of Long-Range Interatomic Distances by Solid-State Tritium-NMR Spectroscopy. (10 citations)

Yuen, A.; Lafon, O.; Charpentier, T.; Roy, M.; Brunet, F.; Berthault, P.; Sakellariou, D.; Robert, B.; Rimsky, S.; Pillon, F.; Cintrat, J.-C.; Rousseau, B. *J. Am. Chem. Soc.* **2010**, *132*, 1734-1735.

16) Myriaporone 3/4 Structure–Activity Relationship Studies Define a Pharmacophore Targeting Eukaryotic Protein Synthesis. (9 citations)

Hines, J.; Roy, M.; Cheng, H.; Agapakis, C. M.; Taylor, R. E.; Crews, C. M. *Mol. BioSyst.* **2006**, *2*, 371-379.

2 Revues

17) How Does Multivalent Glycodendrimers Benefit from Sulfur Chemistry? (52 citations)

Gingras, M; Chabre, Y. M.; Roy, M.; Roy, R. *Chem. Soc. Rev.* **2013**, *42*, 4823-4841.

18) Syntheses of the Tedanolides and Myriaporones. (1 citation)

Schübel, N.; Roy, M.; Kalesse, M. *Comptes Rendus Chimie* **2008**, *11*, 11-12, 1419-1446.

19) Synthesis of the Tedanolides. (7 citations)

Roy, M.; Kalesse, M. *Nat. Prod. Rep.* **2008**, *25*, 862-870.

3 Chapitres de livre

20) Shiao, T. C.; Chabre, Y. M.; Roy, M.; Roy, R. Synthesis of 2,3,4,6-tetra-*O*-acetyl- α -D-mannopyranosyl azide, in: *Carbohydrate Chemistry: Proven Synthetic Methods Vol. 2*, Pavol Kovak, Ed., CRC Press, **2014**, 263-267.

21) Gingras, M.; Roy, M, Degradable Dendrimers for Drug Delivery, in: *Dendrimer-based Drug Delivery Systems: from Theory to Practice*, Yiyun Cheng, Ed., John Wiley & Sons, **2012**, 239-305. (5 citations)

22) Roy, M.; Taylor, R. E., Tris(Dimethylamino)sulfonium Difluorotrimethyl Silicate, First update, in: *Handbook of Reagents for Organic Synthesis: Reagents for Silicon-Mediated Organic Synthesis*, Fuchs Ed, **2011**, 739-745.