



Tuning the size of a redox-active tetrathiafulvalene-based self-assembled ring

Submitted by Sébastien Goeb on Tue, 06/09/2015 - 16:44

Titre	Tuning the size of a redox-active tetrathiafulvalene-based self-assembled ring
Type de publication	Article de revue
Auteur	Bivaud, Sébastien [1], Goeb, Sébastien [2], Croué, Vincent [3], Allain, Magali [4], Pop, Flavia [5], Sallé, Marc [6]
Pays	Allemagne
Editeur	Beilstein-Institut zur Förderung der Chemischen Wissenschaften
Ville	Frankfurt am Main
Type	Article scientifique dans une revue à comité de lecture
Année	2015
Langue	Anglais
Date	feb-12-2015
Pagination	966-971
Volume	11
Titre de la revue	Beilstein Journal of Organic Chemistry
ISSN	1860-5397
Résumé en anglais	The synthesis of a new Pd coordination-driven self-assembled ring M_6L_3 constructed from a concave tetrapyridyl π -extended tetrathiafulvalene ligand (exTTF) is described. The same ligand is also able to self-assemble in a M_4L_2 mode as previously described. Herein, we demonstrate that the bulkiness of the ancillary groups in the Pd complex allows for modulating the size and the shape of the resulting discrete self-assembly, which therefore incorporate two (M_4L_2) or three (M_6L_3) electroactive exTTF sidewalls.
URL de la notice	http://okina.univ-angers.fr/publications/ua12403 [7]
DOI	10.3762/bjoc.11.108 [8]
Lien vers le document	http://www.beilstein-journals.org/bjoc/content/pdf/1860-5397-11-108.pdf [9]
Titre abrégé	Beilstein J. Org. Chem.

Liens

- [1] [http://okina.univ-angers.fr/publications?f\[author\]=3068](http://okina.univ-angers.fr/publications?f[author]=3068)
- [2] <http://okina.univ-angers.fr/s.goeb/publications>
- [3] <http://okina.univ-angers.fr/vcroue/publications>
- [4] <http://okina.univ-angers.fr/magali.allain/publications>
- [5] [http://okina.univ-angers.fr/publications?f\[author\]=18574](http://okina.univ-angers.fr/publications?f[author]=18574)
- [6] <http://okina.univ-angers.fr/marc.salle/publications>
- [7] <http://okina.univ-angers.fr/publications/ua12403>

- [8] <http://dx.doi.org/10.3762/bjoc.11.108>
- [9] <http://www.beilstein-journals.org/bjoc/content/pdf/1860-5397-11-108.pdf>

Publié sur *Okina* (<http://okina.univ-angers.fr>)