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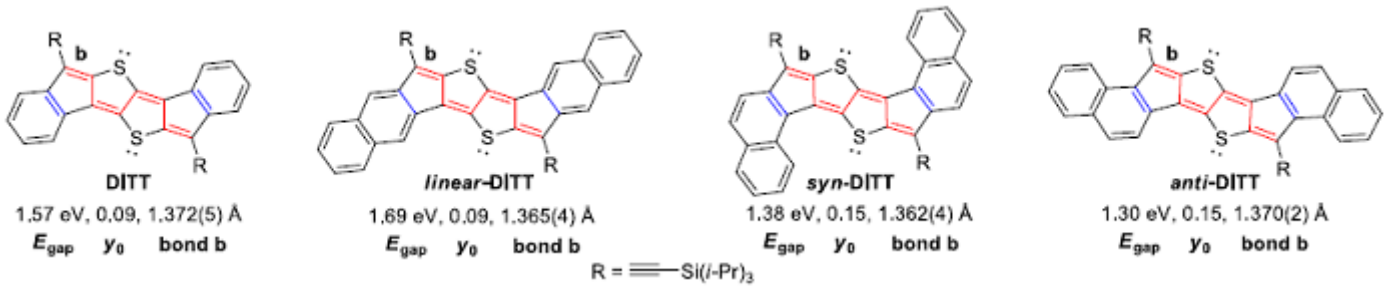
Institut Lavoisier de Versailles

PUBLICATIONS MATÉRIAUX MOLÉCULAIRES : CONCEPTION, DESIGN ET APPLICATION

<< Retour

2022

T. Jousselin-Oba, M. Mamada, K. Wright, J. Marrot, C. Adachi, A. Yassar, M. Frigoli
Synthesis, crystal structure, tropicity and charge transport properties of diindenothienothiophene derivatives
J. Mater. Chem. C **2022**, *10*, 7717.
DOI: 10.1039/D2TC01324J

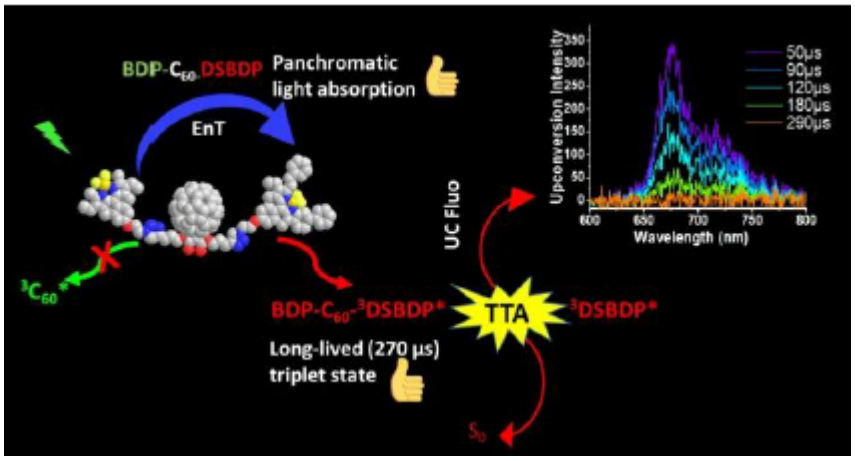


A. Fatima, J. Rabah, E. Allard, H. Fensterbank, K. Wright, G. Burdzinski, G. Clavier, M. Sliwa, T. Pino, R. Méallet-Renault, K. Steenkeste, M.-H. Ha-Thi,

Selective population of triplet excited states in heavy-atom-free BODIPY-C60 based molecular assemblies

Photochemical & Photobiological Sciences **2022**, *21*, 1573.

DOI: 10.1007/s43630-022-00241-z

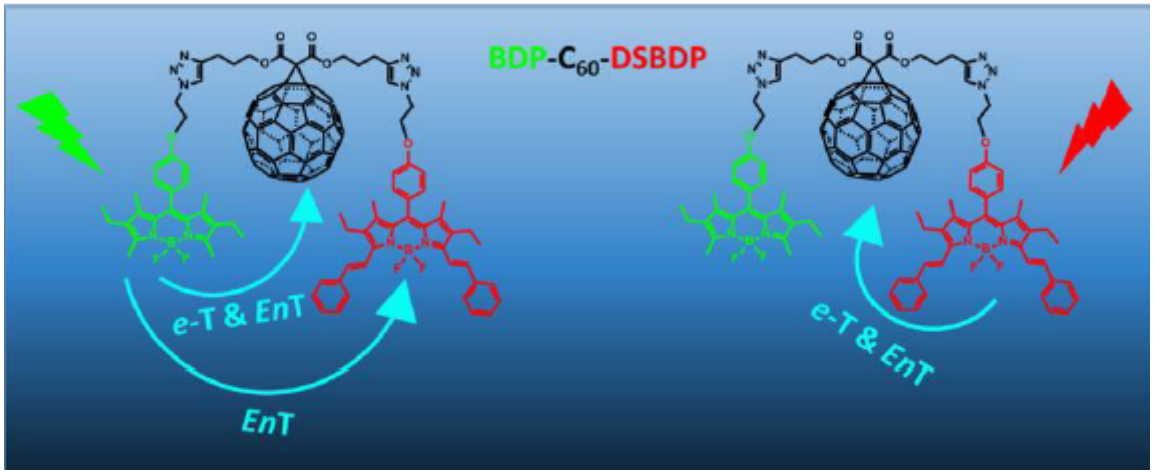


A. Fatima, J. Rabah, E. Allard, H. Fensterbank, K. Wright, G. Burdzinski, F. Miomandre, J. Pham, G. Clavier, M. Sliwa, T. Pino, R. Méallet-Renault, K. Steenkeste, M.-H. Ha-Thi

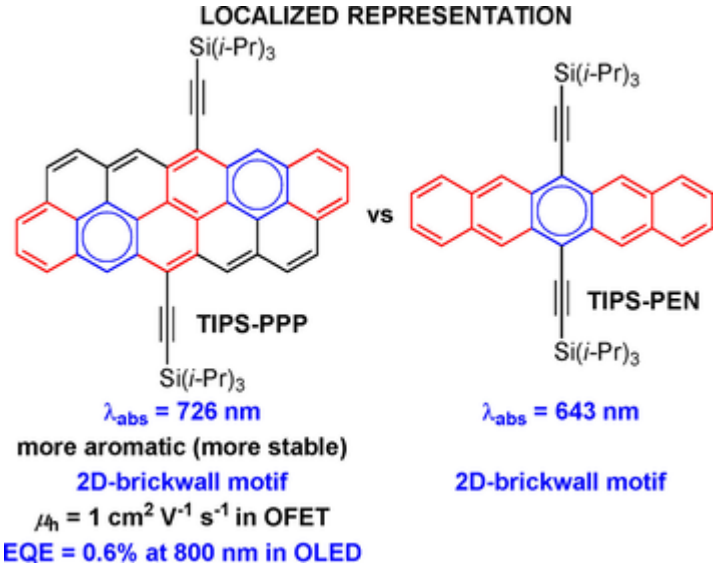
Ultra-fast time-resolved spectroscopy elucidating photo-driven electron and energy transfer processes in a broadband lightabsorbing BODIPY-C60-distyrylBODIPY triad

Eur. Phys. J. Spec. Top. 2022

DOI: 10.1140/epjs/s11734-022-00670-y

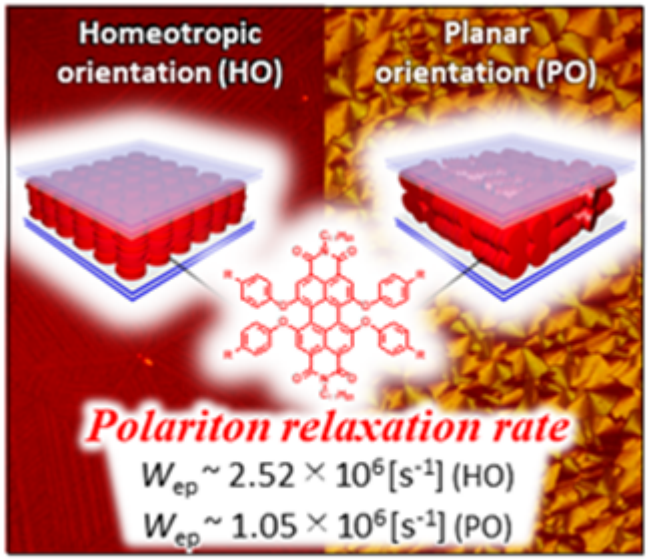


T. Jousselin-Oba, M. Mamada, K. Wright, J. Marrot, C. Adachi, A. Yassar, M. Frigoli
Synthesis, Aromaticity and Application of peri-PentacenoPentacene: Localized Representation of Benzenoid Aromatic Compounds
Angew. Chem. Int. Ed. **2022**, *61*, e202112794
DOI: 10.1002/anie.202112794

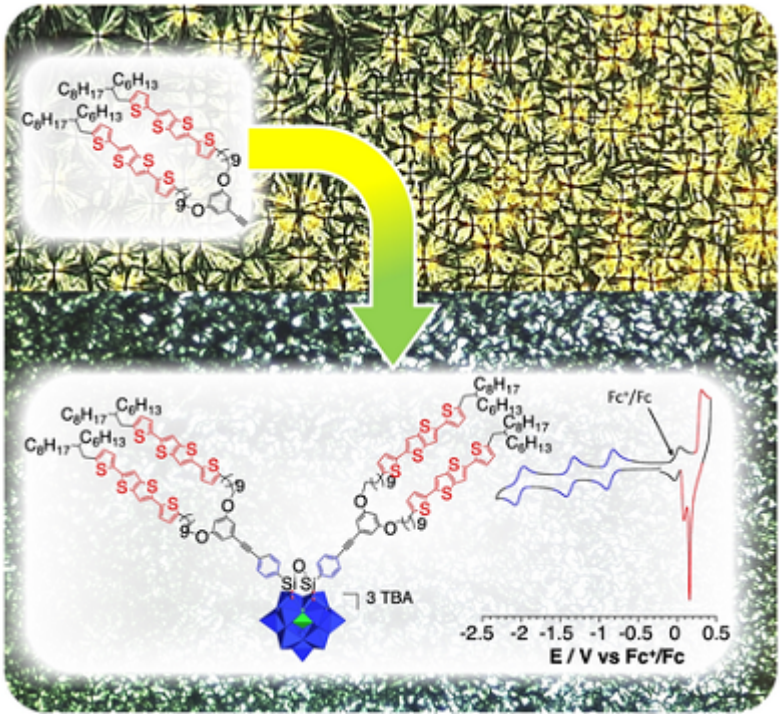


2021

T. Ishii, F. Bencheikh, S. Forget, S. Chénais, B. Heinrich, D. Kreher, L. Sosa Vargas, K. Miyata, K. Onda, T. Fujihara, S. Kéna-Cohen, F. Mathevet, C. Adachi
Enhanced Light–Matter Interaction and Polariton Relaxation by the Control of Molecular Orientation
Adv. Optical Mater. **2021**, *9*, 2101048
DOI: 10.1002/adom.202101048



X. Zhu, C. Hessin, A. Salamé, L. Sosa-Vargas, D. Kreher, C. Adachi, A. Proust, P. Mialane, J. Marrot, A. Bouchet, M. Sliwa, S. Méry, B. Heinrich, F. Mathevet, G. Izzet.
Photoactive Organic/Inorganic Hybrid Materials with Nanosegregated Donor-Acceptor Arrays
Angew. Chem. Int. Ed. **2021**, *60*, 8419
DOI: 10.1002/anie.202014319



A. Tafrioucht, J. Rabah, K. Baczko, H. Fensterbank, R. Méallet-Renault, G. Clavier, F. Couty, E. Allard, K. Wright
Synthesis of a multichromophoric array by sequential CuAAC reactions
Dyes and Pigments **2021**, *186*, 109031

DOI: 10.1016/j.dyepig.2020.109031

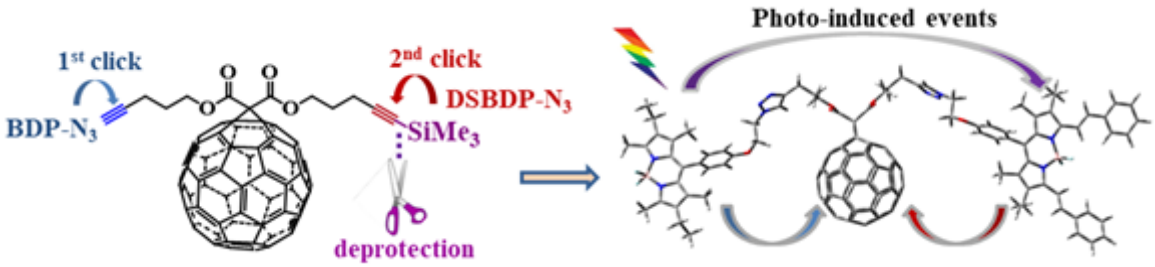


J. Rabah, L. Yonkeu, K. Wright, A. Vallée, R. Méallet-Renault, M.-H. Ha-Thi, A. Fatima, G. Clavier, H. Fensterbank, E. Allard

Synthesis of a dual clickable fullerene platform and construction of a dissymmetric BODIPY-[60]Fullerene-DistryrylBODIPY triad

Tetrahedron **2021**, *100*, 132467

DOI: 10.1016/j.tet.2021.132467

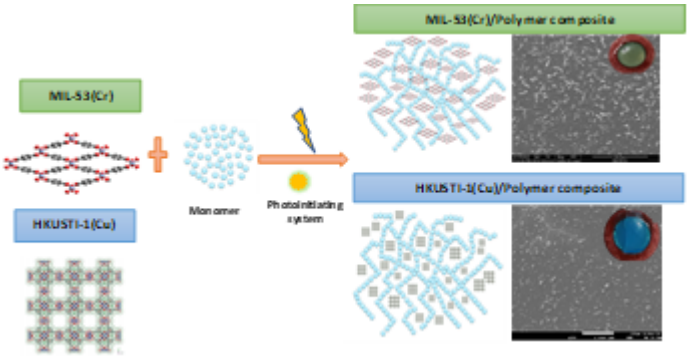


C. Brahmi, M. Benltifa, C. Vaulot, L. Michelin, F. Dumur, F. Millange, M. Frigoli, A. Airoudj, F. Morlet-Savary, L. Bousselmi, J. Lalevée

New hybrid MOF/polymer composites for the photodegradation of organic dyes

Eur. Polym. J. **2021**, *154*, 110560

DOI : 10.1016/j.eurpolymj.2021.110560

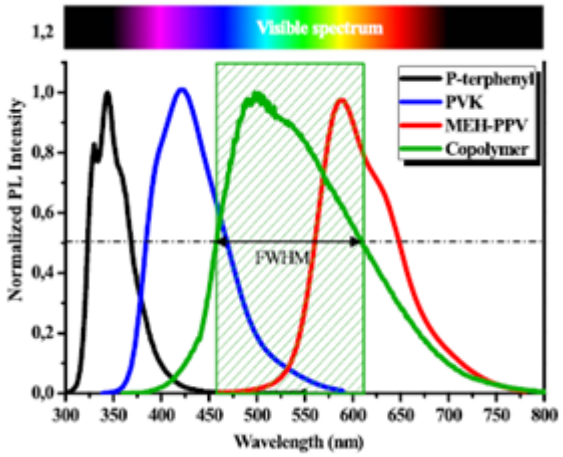


F. Abbassi, M M Almoneef, M. Mbarek, D. Kreher, K. Alimi

Optical and structural proprieties of the new triblock copolymer (A-B-C) based on p-terphenyl, PVK and MEH-PPV for organic electronics: Experimental and theoretical study

Materials Research Express **2021**, *8*, 075304

DOI: 10.1088/2053-1591/ac1004

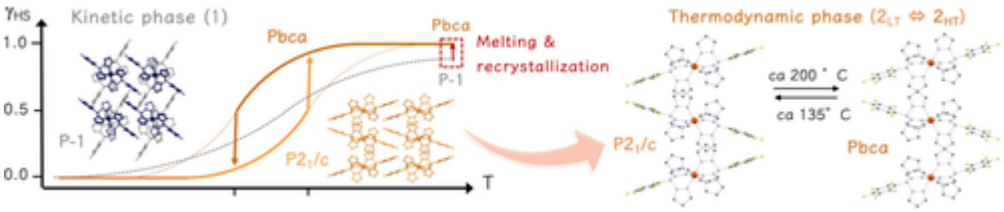


A. Benchohra, Y. Li, L-M. Chamoreau, B. Baptiste, E. Elkaim, N. Guillou, D. Kreher, R. Lescouezec

The Atypical Hysteresis of [Fe(C6F5Tp)2]: Overlay of Spin-Crossovers and Symmetry-Breaking Phase Transition

Angew. Chem. Int. Ed. **2021**, *60*, 8803

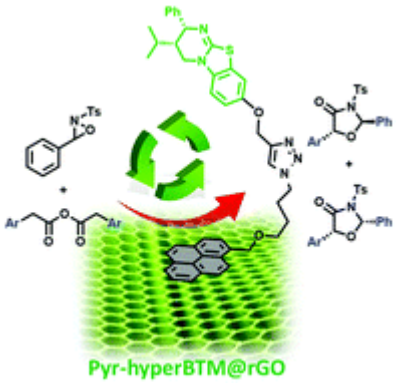
DOI: 10.1002/anie.202015994



Y.-C. Yuan, M. Abd El Sater, M. Mellah, N. Jaber, O. R. P. David, E. Schulz

Enantiopure Isothiourea@Carbon-Based Support: Stacking Interactions for Recycling a Lewis Base in Asymmetric Catalysis

Org. Chem. Front. **2021**, *8*, 4693 (link)



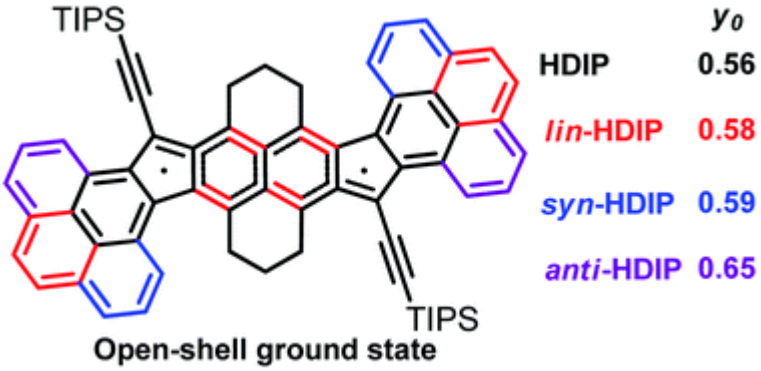
2020

T. Jousselin-Oba, M. Mamada, A. Okazawa, J. Marrot, T. Ishida, C. Adachi, A. Yassar, M. Frigoli

Modulating the ground state, stability and charge transport in OFETs of biradicaloid hexahydro-diindenopyrene derivatives and a proposed method to estimate the biradical character

Chem. Sci. **2020**, *11*, 12194

DOI: 10.1039/D0SC04583G

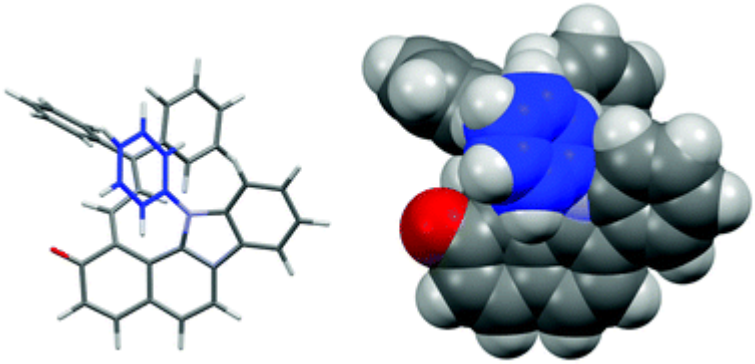


M. Frigoli, T. Jousselin-Oba, M. Mamada, J. Marrot, A. Zangarelli, D. Pannacci, C. Adachi and F. Ortica

Synthesis and photochromic behaviour of a series of benzopyrans bearing an N-phenyl-carbazole moiety: photochromism control by the steric effect

Photochem. Photobiol. Sci. **2020**, *19*, 1344

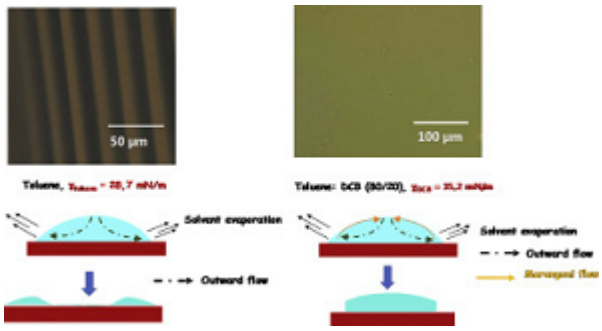
DOI: 10.1039/D0PP00202J



M. Richard, A. Al-Ajaji, S. Ren, A. Foti, J. Tran, M. Frigoli, B. Gusarov, Y. Bonnassieux, E. Garcia Caurel, P. Bulkin, R. Ossikovski, A. Yassar

Large-scale patterning of -conjugated materials by meniscus guided coating methods

Adv. Colloid Interface Sci. **2020**, *275*, 102080 (link)

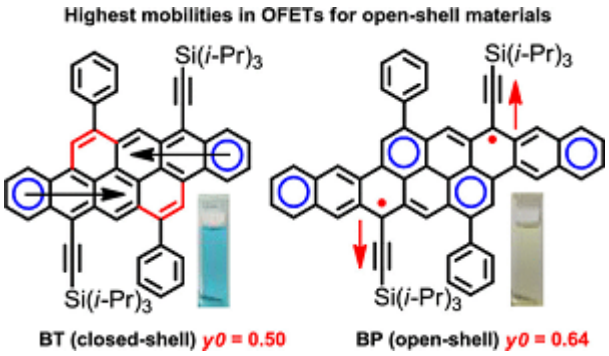


2019

T. Jousselin-Oba, M. Mamada, J. Marrot, A. Maignan, C. Adachi, A. Yassar, M. Frigoli

Excellent Semiconductors Based on Tetracenotetracene and Pentacenopentacene: From Stable Closed-Shell to Singlet Open-Shell

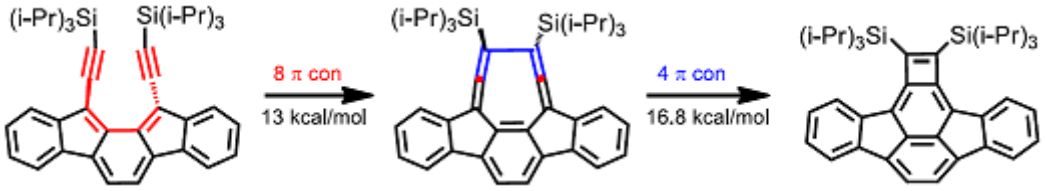
J. Am. Chem. Soc. **2019**, *141*, 9373 (link)



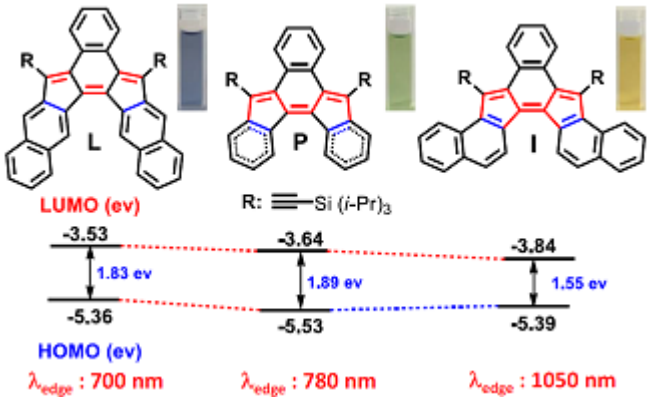
E. Barker, T. Kodama, M. K. Song, C. K. Frederickson, T. Jousselin-Oba, L. N. Zakharov, J. Marrot, M. Frigoli, R. P. Johnson and M. M. Haley

Serendipitous Rediscovery of the Facile Cyclization of Z,Z-3,5-Octadiene-1,7-diyne

Derivatives to Afford Stable, Substituted Naphthocyclobutadienes
ChemPlusChem **2019**, *84*, 665 (link)

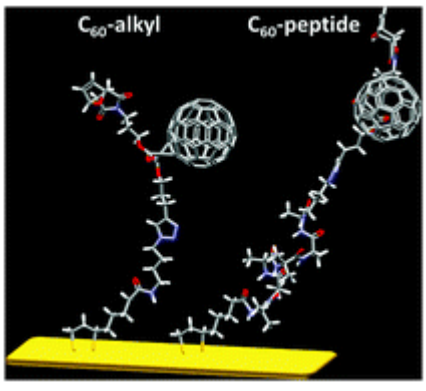


T. Jousselin-Oba, P. E. Deal, A. G. Fix, C. K. Frederickson, C. L. Vonnegut, A. Yassar, L. N. Zakharov, M. Frigoli, M. M. Haley
Synthesis and Properties of Benzo-Fused Indeno[2,1- c]fluorenes
Chem. Asian J. **2019**, *14*, 1737 (link)



2018

H. Nasrallah, J. Rabah, V. Bui-Thi-Tuyet, K. Baczko, H. Fensterbank, F. Bourdreux, A.-M. Goncalves, V. Declerck, S. Boujday, V. Humblot, K. Wright, A. Vallée, E. Allard
A fullerene helical peptide: synthesis, characterization and formation of self-assembled monolayers on gold surfaces
New J. Chem. **2018**, *42*, 19423 (link)



F. Ianni, S. Scorzoni, P. L. Gentili, A. Di Michele, M. Frigoli, E. Camaioni, F. Ortica, R. Sardella

Chiral separation of helical chromenes with chloromethyl phenylcarbamate polysaccharidebased stationary phases

J. Sep. Sci. **2018**, *41*, 1266 (link)