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Institut Lavoisier de Versailles

PUBLICATIONS MOLECULAR MATERIALS: CONCEPTION, DESIGN AND APPLICATIONS

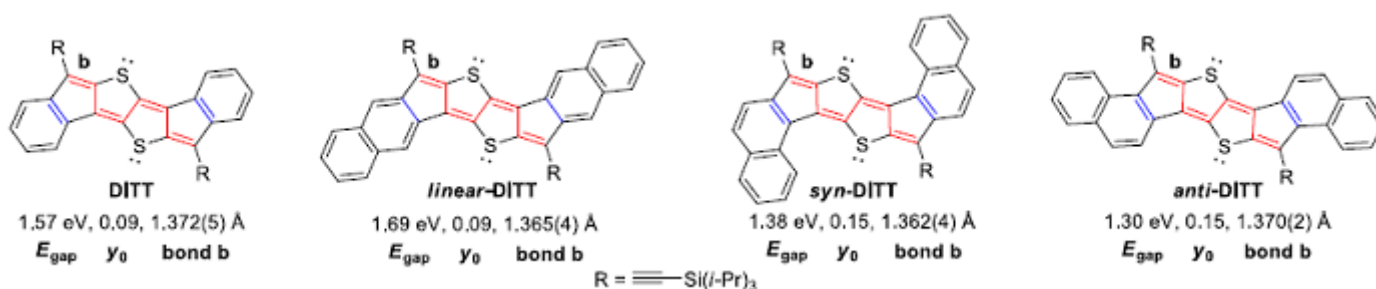
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2022

T. Jousselin-Oba, M. Mamada, K. Wright, J. Marrot, C. Adachi, A. Yassar, M. Frigoli
Synthesis, crystal structure, tropicity and charge transport properties of diindenothiophene derivatives

J. Mater. Chem. C **2022**, *10*, 7717.

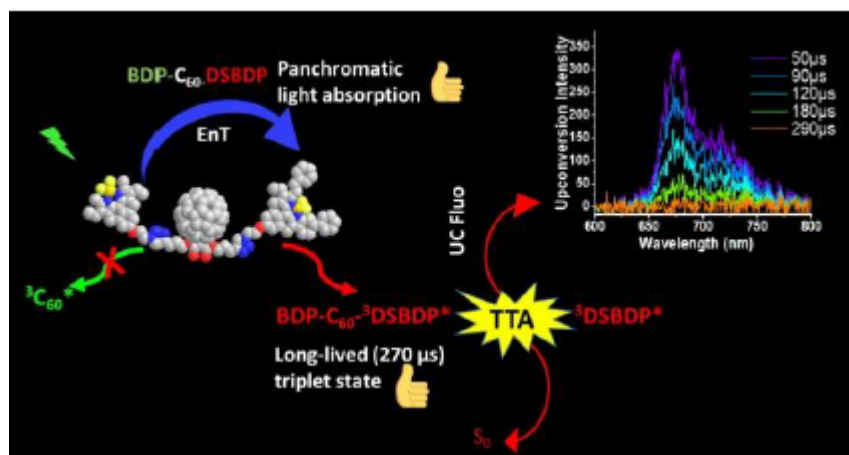
DOI: 10.1039/D2TC01324J



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.

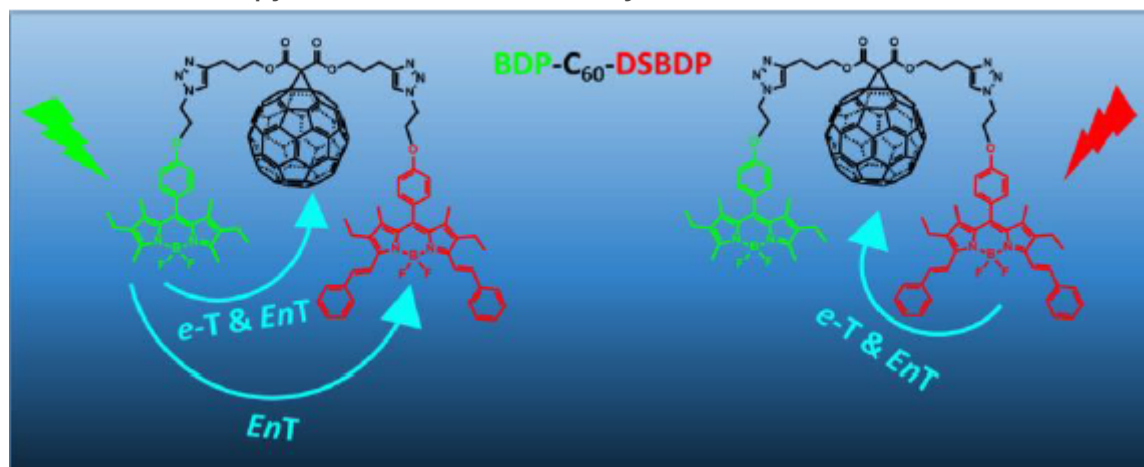
DOI: 10.1007/s43630-022-00241-z



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

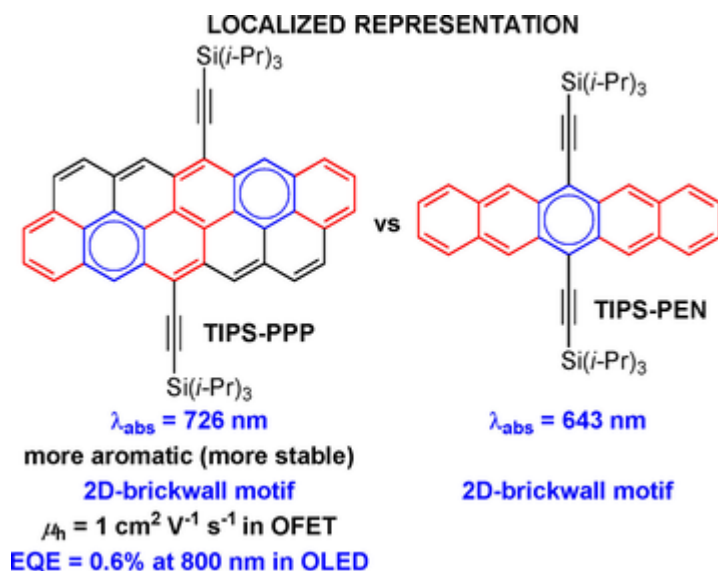
DOI: 10.1140/epjs/s11734-022-00670-y



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



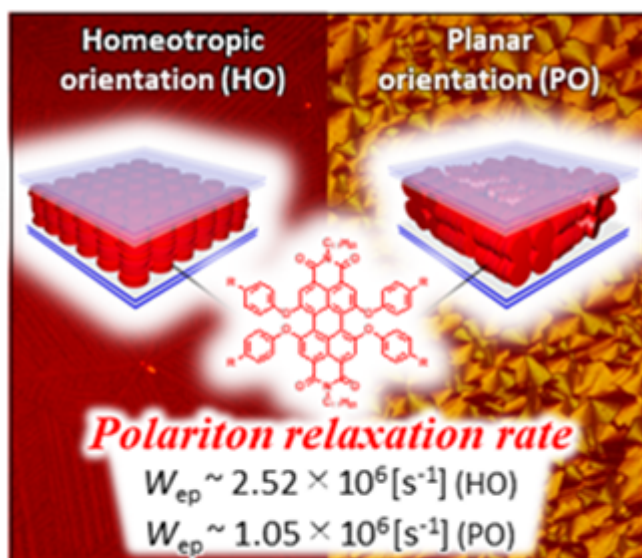
2021

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

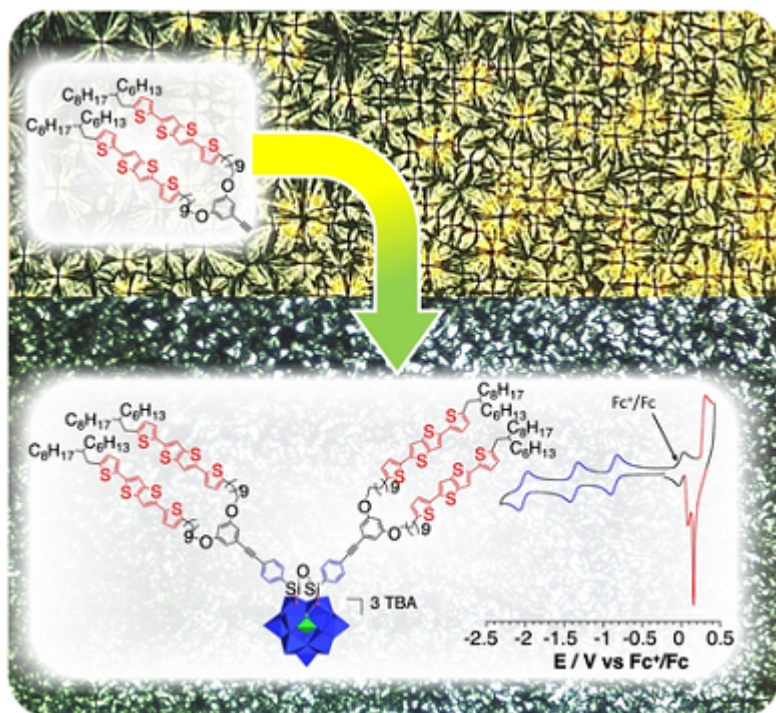
Adv. Optical Mater. **2021**, 9, 2101048

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

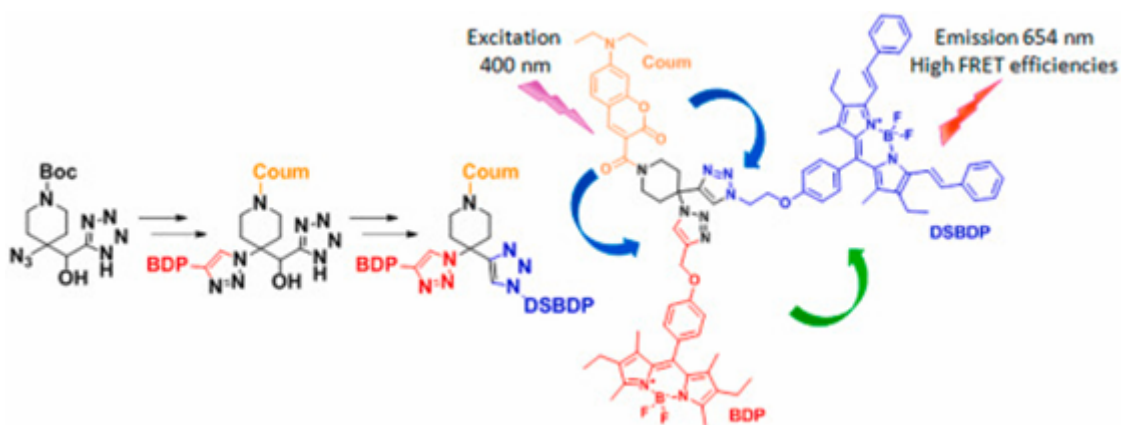


A. Tafriouch, J. Rabah, K. Baczko, H. Fensterbank, R. Méallet-Renault, G. Clavier, F. Couty, E. Allard, K. Wright

Synthesis of a multichromophoric array by sequential CuAAC reactions

Dyes and Pigments **2021**, 186, 109031

DOI: 10.1016/j.dyepig.2020.109031

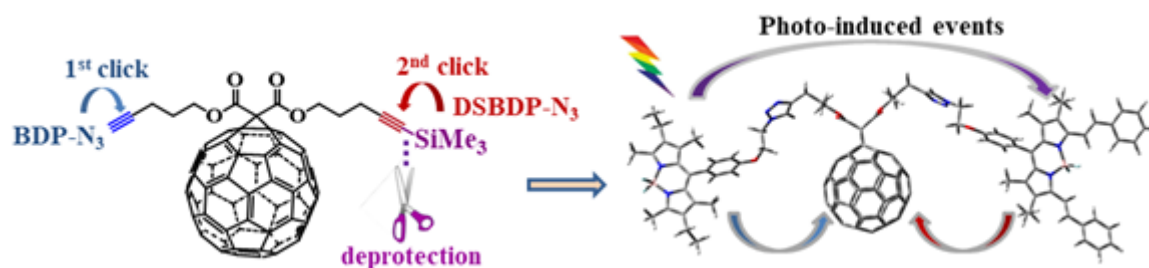


J. Rabah, L. Yonkeu, K. Wright, A. Vallée, R. Méallet-Renault, M.-H. Ha-Thi, A. Fatima, G. Clavier, H. Fensterbank, E. Allard

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

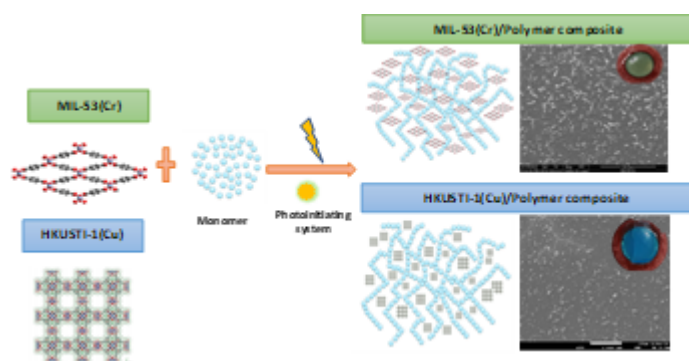


C. Brahmi, M. Benlifa, C. Vaultot, L. Michelin, F. Dumur, F. Millange, M. Frigoli, A. Airoudj, F. Morlet-Savary, L. Bousselmi, J. Lalevée

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

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

DOI : 10.1016/j.eurpolymj.2021.110560

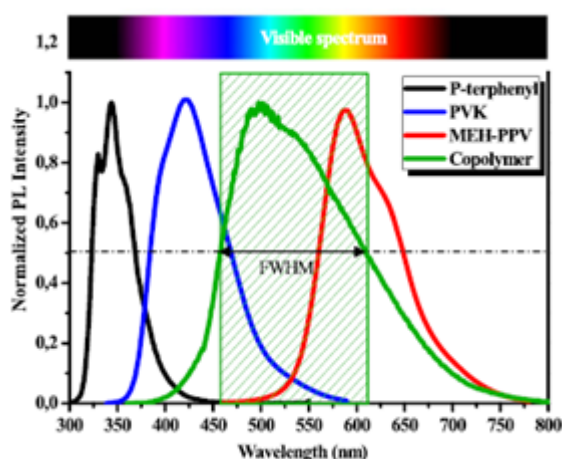


F. Abbassi, M M Almoneef, M. Mbarek, D. Kreher, K. Alimi

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

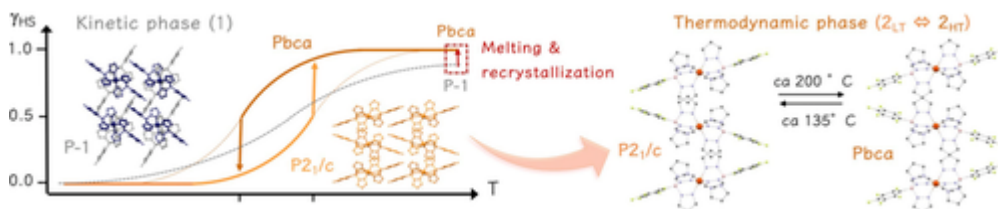


A. Benchohra, Y. Li, L-M. Chamoreau, B. Baptiste, E. Elkaim, N. Guillou, D. Kreher, R. Lescouezec

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

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

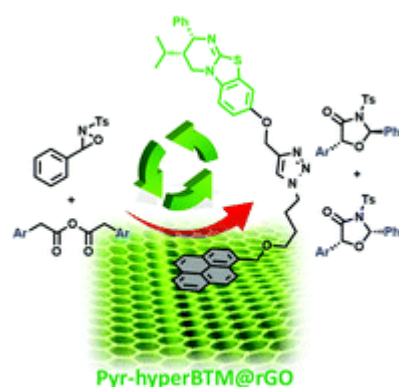
DOI: 10.1002/anie.202015994



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)



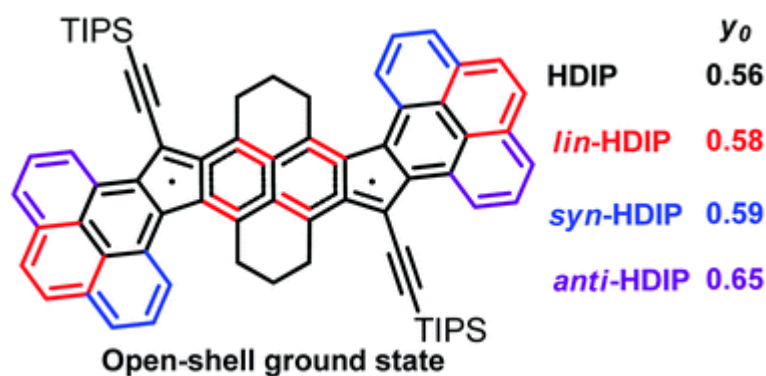
2020

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

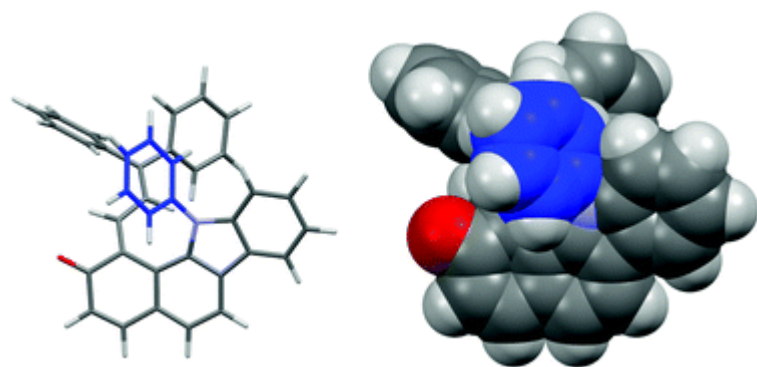


M. Frigoli, T. Jousselin-Oba, M. Mamada, J. Marrot, A. Zangarelli, D. Pannacci, C. Adachi and F. Ortica

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

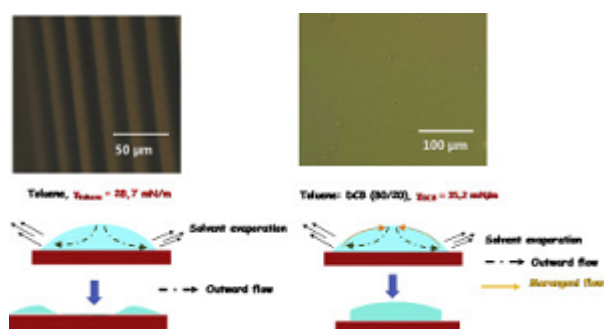
DOI: 10.1039/D0PP00202J



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

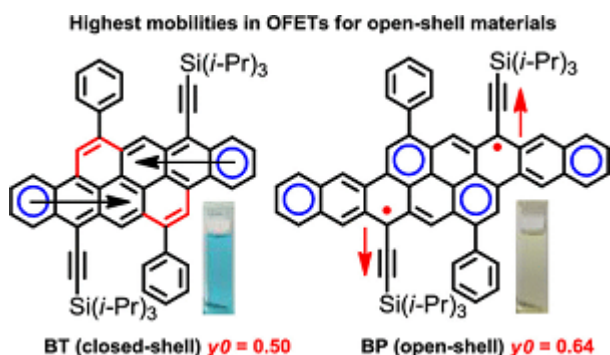
Large-scale patterning of π -conjugated materials by meniscus guided coating methods

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



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**

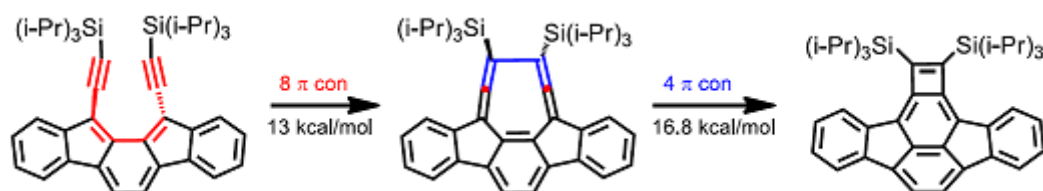
J. Am. Chem. Soc. **2019**, *141*, 9373 (link)



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

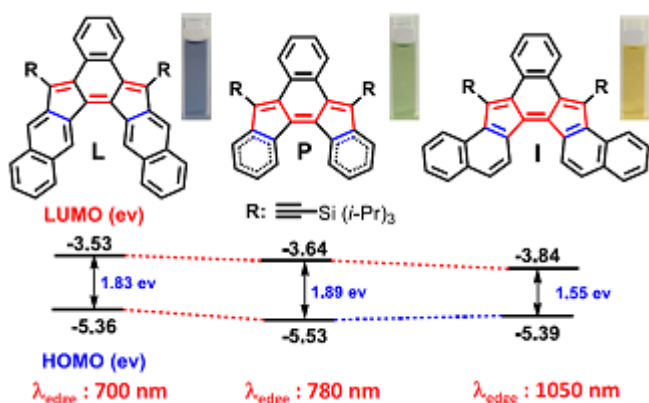
ChemPlusChem **2019**, *84*, 665 (link)



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Synthesis and Properties of Benzo-Fused Indeno[2,1- c]fluorenes

Chem. Asian J. **2019**, *14*, 1737 (link)

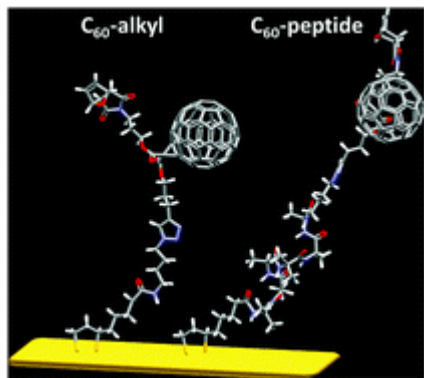


2018

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)