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## 2022

**Enantioselective synthesis of -butenolides through Pd-catalysed C5-selective allylation of siloxyfurans.**  
Richard F, Aubert S, Katsina T, Reinalda L, Palomas D, Crespo-Otero R, Huang J, Leitch DC, Mateos C and Arseniyadis S. *Nature Synthesis vol. 1, (8) 641-648.Nature Research.*

## 2018

**Aryne-Mediated Arylation of Hantzsch Esters: Access to Highly Substituted Aryl-dihydropyridines, Aryl-tetrahydropyridines and Spiro[benzocyclobutene-1,1-(3,4-dihydropyridines)].**  
JONES CR, TRINCHERA P, SUN W, kurdi N, Crespo-Otero R, Palomas D, Javid F and Saeed A. *Synthesis vol. 50, (23).Thieme Publishing.*

## 2017

**Intermolecular Aryne Ene Reaction of Hantzsch Esters: Stable Co-valent Ene Adducts from a 1,4-Dihydropyridine Reaction.**  
JONES CR, Trinchera P, Sun W, Smith JE, Palomas D and Crespo-Otero R. *Organic Letters.Molander G. American Chemical Society.*

**Binuclear -diketminate complexes of copper(i).**

Phanopoulos A, Leung AHM, Yow S, Palomas D, White AJP, Hellgardt K, Horton A and Crimmin MR. *Dalton Trans vol. 46, (7) 2081-2090.*

## 2016

**Selective Oxidation of Methane to Methanol Over Cu- and Fe-Exchanged Zeolites: The Effect of Si/Al Molar Ratio.**  
Kalamaras C, Palomas D, Bos R, Horton A, Crimmin M and Hellgardt K. *Catalysis Letters vol. 146, (2) 483-492.*

## 2015

**Re-evaluating selectivity as a determining factor in peroxidative methane oxidation by multimetallic copper complexes.**  
Palomas D, Kalamaras C, Haycock P, White AJP, Hellgardt K, Horton A and Crimmin MR. *Catalysis Science & Technology vol. 5, (8) 4108-4115.*

## 2012

**Metal-free hydrogenation of electron-poor allenes and alkenes.**  
Inés B, Palomas D, Holle S, Steinberg S, Nicasio JA and Alcarazo M. *Angew Chem Int Ed Engl vol. 51, (49) 12367-12369.*

**Synthesis and reactivity of electron poor allenes: formation of completely organic frustrated Lewis pairs.**  
Palomas D, Holle S, Inés B, Bruns H, Goddard R and Alcarazo M. *Dalton Trans vol. 41, (30) 9073-9082.*

**2009**

**Consecutive C-H functionalization reactions of arenes: synthesis of carbo- and heteropolycyclic skeletons.**  
Surez-Pantiga S, Palomas D, Rubio E and Gonzlez JM. *Angew Chem Int Ed Engl* vol. 48, (42) 7857-7861.

**2008**

**Decreased optical nonlinearities upon CF<sub>3</sub> substitution on tricyanofuran acceptors.**  
Andreu R, Cerdn MA, Franco S, Garín J, Marco AB, Orduna J, Palomas D, Villacampa B, Alicante R and Allain M. *Org Lett* vol. 10, (21) 4963-4966.

**2007**

**Iodocarbocyclization reaction of beta-ketoesters and alkynes.**  
Barluenga J, Palomas D, Rubio E and Gonzalez JM. *Org Lett* vol. 9, (15) 2823-2826.