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Jikai Zhu, Keli Zhong, Yongri Liang, Zhuoishi Wang, Tie Chen*, Long Yi Jin*

Conjugated coil-rod-coil oligomers containing cruciform 9,10-bis(arylethynyl) anthracene units with different molecular lengths, but identical rod to coil volume ratios, were synthesized. An investigation of the supramolecular nanostructures of these molecules revealed that the rod length of coil-rod-coil molecules with identical rod to coil volume ratios, dramatically influences the self-assembly behavior in the bulk state.

2-Chlorotetrafluoroethanesulfonamide induced asymmetric vinylogous Mannich reaction
Li-Juan Liu, Jin-Tao Liu*

(S)-2-Chlorotetrafluoroethanesulfonamide induced 2-[(tert-butyldimethylsilyloxy) furan-based asymmetric vinylogous Mannich reaction was studied. The reaction gave the corresponding adduct in syn-configuration in good yield with high stereoselectivity in DMSO. However, anti-isomer was obtained as the major product in the presence of (TBAF)3/4BuOH)2.5.

Synthesis and optoelectronic properties of a novel dinuclear cyclometalated platinum(II) complex containing triphenylamine-substituted indolo[3,2-b]carbazole derivative in the single-emissive-layer WPLEDs
Junting Yu, Jian Luo, Qing Chen, Keqi He, Fanyuan Meng, Xianping Deng, Yafei Wang*, Hua Tan, Haigang Jiang, Weiguo Zhu*

A novel heterodinuclear cyclometalated Pt(II) complex of (dpppy)2Pt(dipic-BTCz), containing blue-emitting fluorophore (BTCz) via non-conjugately inserted into the dual picolinic acid derivative, was synthesized successfully. Using this novel dinuclear platinum complex as a single-component emitter, stable white emission with a maximum brightness of 208 cd/m² was achieved in the single-emissive-layer PLEDs at the doping concentration of 1 wt % and different applied voltages from 9 to 14 V.
Synthesis of substituted 1-trifluoromethyl and 1-perfluoroalkyl-3-(arylamino)prop-2-en-1-one: advances in the mechanism of Combes 2-trifluoromethyl and 2-perfluoroalkyl quinolines synthesis
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Classification of 32CA reactions into zw-type and pr-type reactions.

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Nickel–palladium-catalyzed hydroamination/cyclization of sulfur-substituted 1,6-dienes with secondary amines
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Head-to-tail homo- and heterodimerization of vinylamides by hidden proton catalysis
Naseem Iqbal, Guro Blakstad, Anne Fiksdahl*
**Metathesis for catalyst design: metacatalysis**
Sakunchai Khunsubdee, Kevin Burgess*  

Metathesis for catalyst design: metacatalysis

\[ n \text{ monodentate ligands} \rightarrow \text{metathesis} \]

\[ n(n+1)/2 \text{ bidentate ligands} \rightarrow \text{catalysis} \]

\[ \text{metathesis} + \text{catalysis} = \text{metacatalysis} \]

**Stereoselective synthesis of side chain-functionalized tetrahydropyrans from 5-hexenols**
Patrick Fries, Melanie Kim Müller, Jens Hartung*  

Stereoselective synthesis of side chain-functionalized tetrahydropyrans from 5-hexenols

\[ \text{MeO}_2\text{C} \rightarrow \text{CO}_2\text{Me} \]

\[ \text{O}_2/\text{Col}_2 \rightarrow \text{CHD/toluene} \]

\[ 70^\circ \text{C} \]

\[ \text{H} \rightarrow \text{CO}_2\text{Me} \]

\[ \circ = \text{Ph} \]

\[ \bullet = 2\text{-thienyl, Ph} \]

\[ \text{CHD} = \text{cyclohexa-1,4-diene} \]

\[ \text{HL} = \text{e.g. 1,1,1-trifluoro-4-phenylbutane-1,3-dione} \]

**Development of a new linker for the solid-phase synthesis of N-hydroxylated and N-methylated secondary amines**
Denise Pauli, Stefan Bienz*  

Development of a new linker for the solid-phase synthesis of N-hydroxylated and N-methylated secondary amines

\[ \text{oxidation/} \]

\[ \text{Cope elimination or} \]

\[ \text{methylation/} \]

\[ \text{Mohlmann elimination} \]

**Rapid determination of enantiomeric excess of \( \alpha \)-chiral aldehydes using circular dichroism spectroscopy**
Sanmitra Barman, Eric V. Anslyn*  

Rapid determination of enantiomeric excess of \( \alpha \)-chiral aldehydes using circular dichroism spectroscopy
Synthesis of polyhydroxylated indolizidines and piperidines from Garner's aldehyde: total synthesis of (−)-swainsonine, (+)-1,2-di-epi-swainsonine, (+)-8,8a-di-epi-castanospermine, pentalhydroxy indolizidines, (−)-1-deoxynojirimycin, (−)-1-deoxy-altro-nojirimycin, and related diversity
Priyanka Singh, Sudipta Kumar Manna, Gautam Panda

Prenyleudesmanes, rare natural diterpenoids from Dysoxylum densiflorum
Ji Gu, Sheng-Yan Qian, Yun-Li Zhao, Gui-Guang Cheng, Dong-Bao Hu, Bao-Hong Zhang, Yan Li, Ya-Ping Liu, Xiao-Dong Luo

A simple and efficient synthesis of 3,4-dihydropyrimidin-2-(1H)-ones via Biginelli reaction catalyzed by nanomagnetic-supported sulfonic acid
Eskandar Kolvari, Nadiya Koukabi, Ozra Armandpour

CORRIGENDUM
Corrigendum to “Asymmetric oxaziridination catalyzed by cinchona alkaloid derivatives containing sulfide”
Tianyi Zhang, Wei He, Xingyu Zhao, Ying Jin
A new ortho-nitro phenethyl linker for the divergent solid-phase synthesis of \textit{N}-hydroxylated and \textit{N}-methylated secondary amines was developed. The robust linker allows a variety of chemical manipulations to be performed with secondary amines attached to the resin, and the desired \textit{N}-modified final products are liberated from the solid support likewise by either an oxidation/Cope or a methylation/Hofmann elimination sequence.

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Supplementary data available via ScienceDirect