

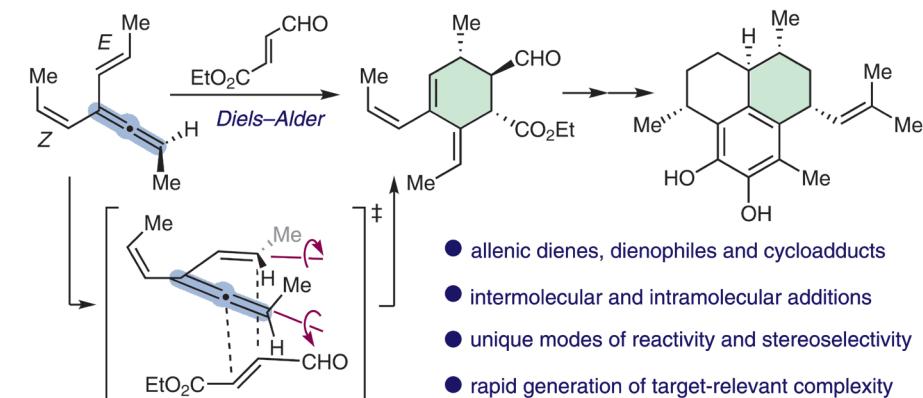
# Synthesis

Reviews and Full Papers in Chemical Synthesis

February 15, 2022 • Vol. 54, 797–1156

## Special Topic

Cycloadditions – Established and Novel Trends –  
in Celebration of the 70<sup>th</sup> Anniversary of the Nobel  
Prize Awarded to Otto Diels and Kurt Alder



Allenes in Diels–Alder Cycloadditions

H. Hopf, M. S. Sherburn

4



Thieme

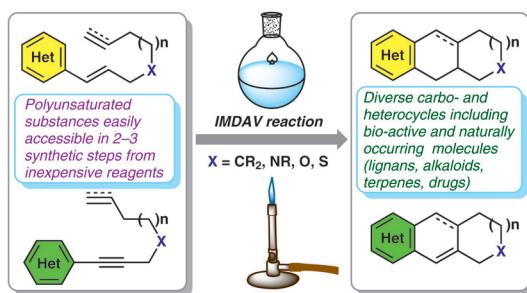
**Synthesis**

*Synthesis* 2022, 54, 797–863  
DOI: 10.1055/s-0040-1705983

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**IntraMolecular Diels–Alder Reactions of Vinylarenes and Alkynyl  
Arenes (the IMDAV Reaction)**

**Special Topic**  
**797**



**Synthesis**

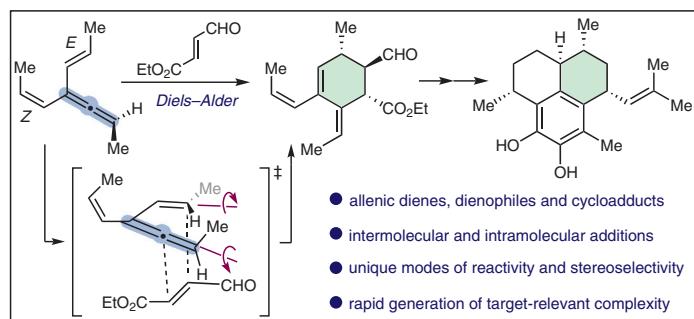
*Synthesis* 2022, 54, 864–886  
DOI: 10.1055/s-0040-1706052

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**Allenes in Diels–Alder Cycloadditions**

**Special Topic**

**864**



Synthesis 2022, 54, 887–909  
DOI: 10.1055/a-1514-1049

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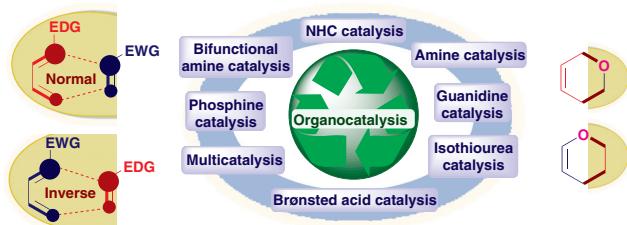
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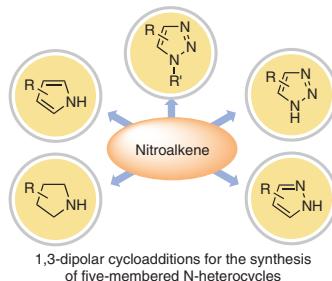
Synthesis 2022, 54, 910–924  
DOI: 10.1055/a-1547-0196

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Synthesis 2022, 54, 925–942  
DOI: 10.1055/a-1480-3215

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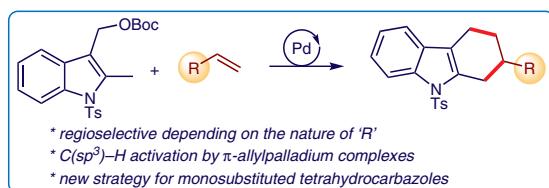
*Synthesis* 2022, 54, 943–952  
DOI: 10.1055/a-1516-7960

**C(sp<sup>3</sup>)–H Activation Enabled by ( $\eta^3$ -Indolylmethyl)palladium Complexes: Synthesis of Monosubstituted Tetrahydrocarbazoles****Special Topic**

943

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**Synthesis**

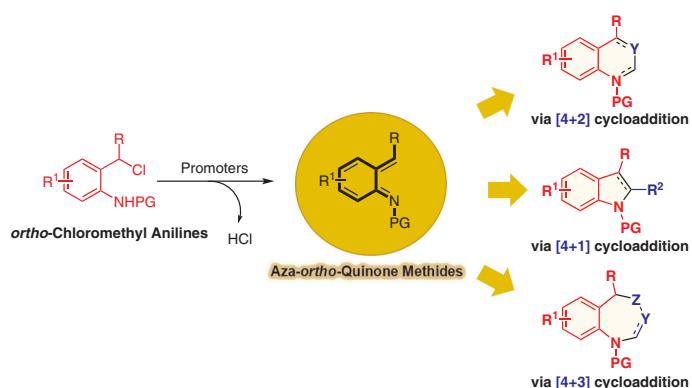
*Synthesis* 2022, 54, 953–964  
DOI: 10.1055/a-1529-7739

**[4+n] Annulation Reactions Using *ortho*-Chloromethyl Anilines as Aza-*ortho*-Quinone Methide Precursors****Special Topic**

953

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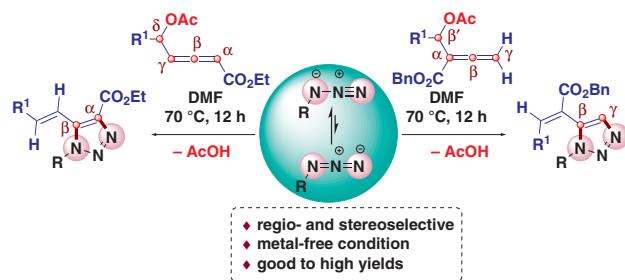
**Synthesis**

*Synthesis* 2022, 54, 965–974  
DOI: 10.1055/s-0040-1719838

**Stereo- and Regioselective [3+2] Cycloaddition of Acetoxy Allenoates with Azides: Metal-Free Synthesis of Multisubstituted Triazoles****Special Topic**

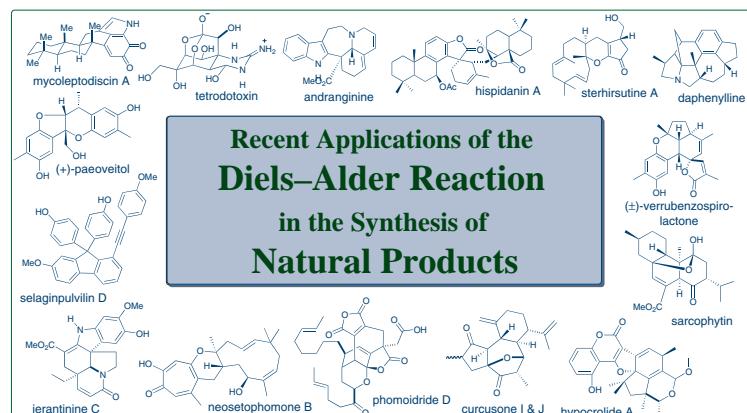
965

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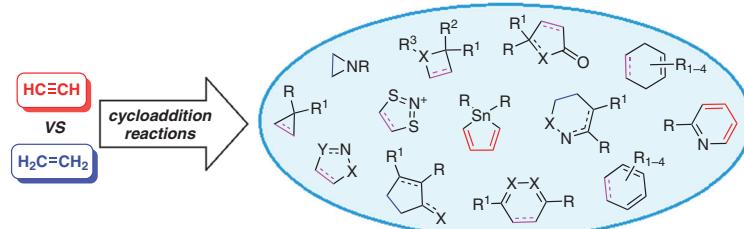
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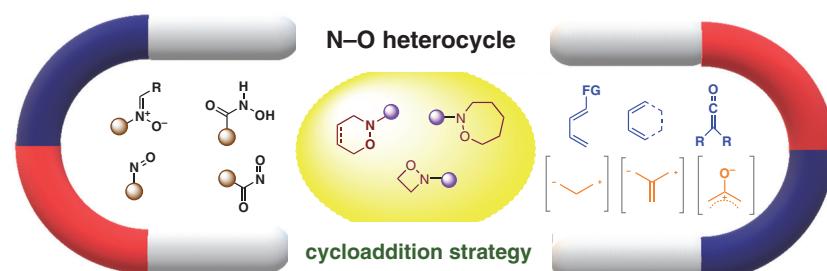


**Recent Applications of the  
Diels–Alder Reaction  
in the Synthesis of  
Natural Products**

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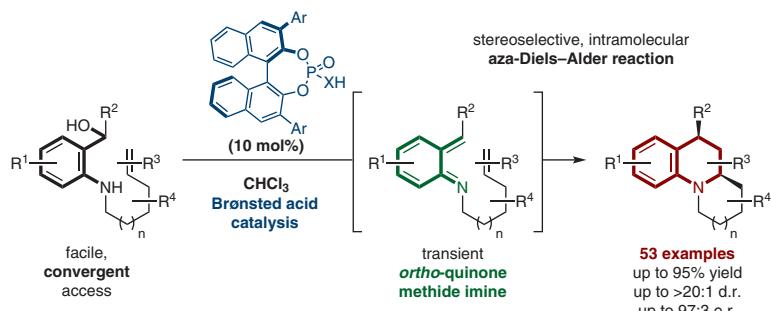


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Synthesis 2022, 54, 1055–1080  
DOI: 10.1055/a-1517-7515

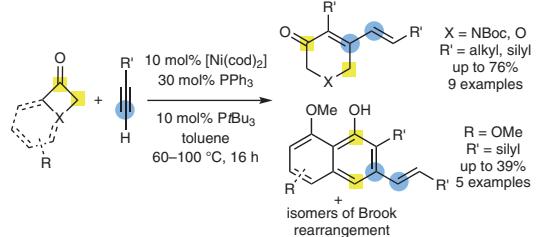
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Synthesis 2022, 54, 1081–1090  
DOI: 10.1055/a-1671-8497

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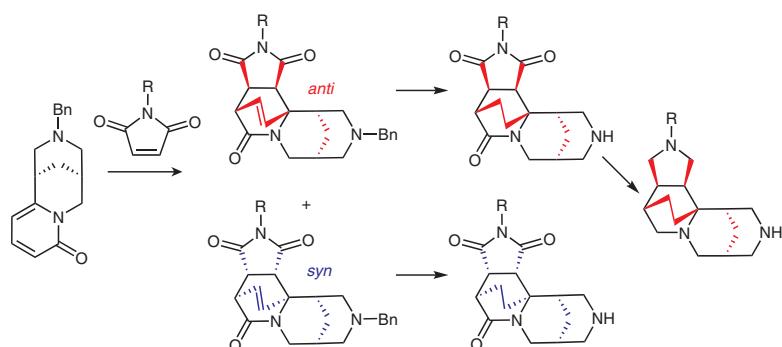
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Synthesis 2022, 54, 1091–1100  
DOI: 10.1055/s-0040-1706282

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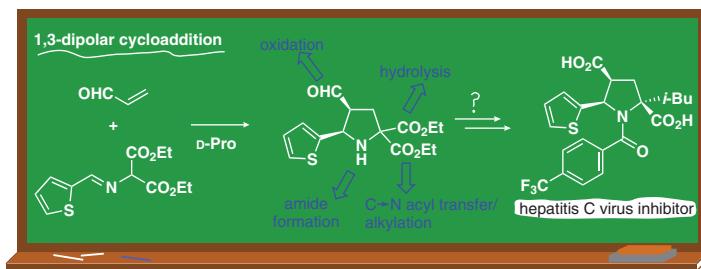
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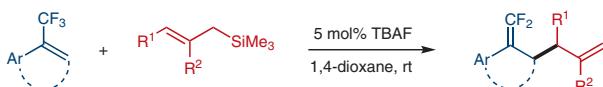
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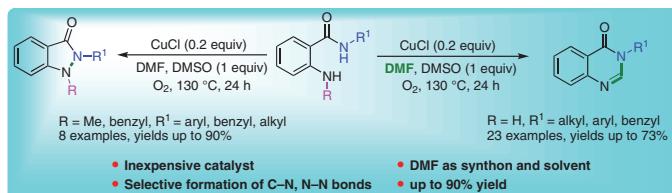
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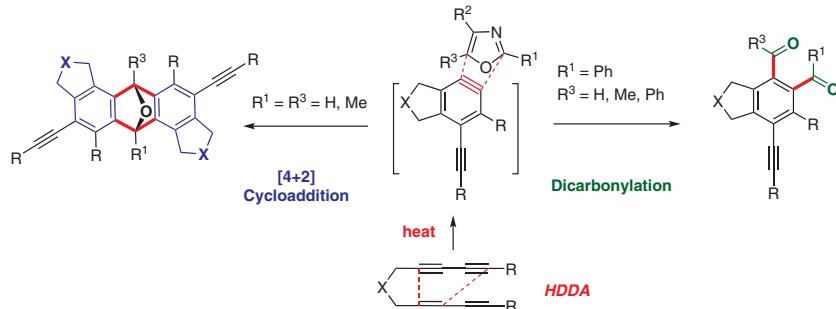
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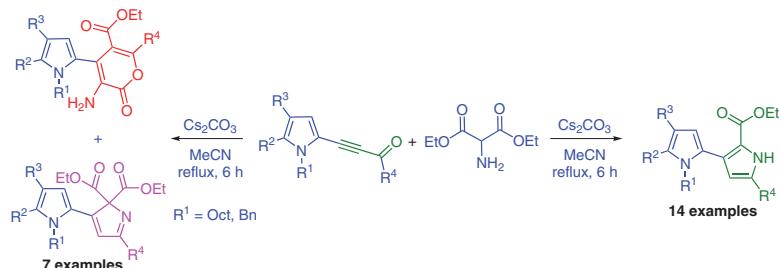
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R<sup>1</sup> = H, Me, CH=CH<sub>2</sub>, Oct, Bn; R<sup>2</sup> = H, Ph; R<sup>3</sup> = H; R<sup>2</sup>–R<sup>3</sup> = (CH<sub>2</sub>)<sub>4</sub>; R<sup>4</sup> = Ph, furyl, thiophenyl

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