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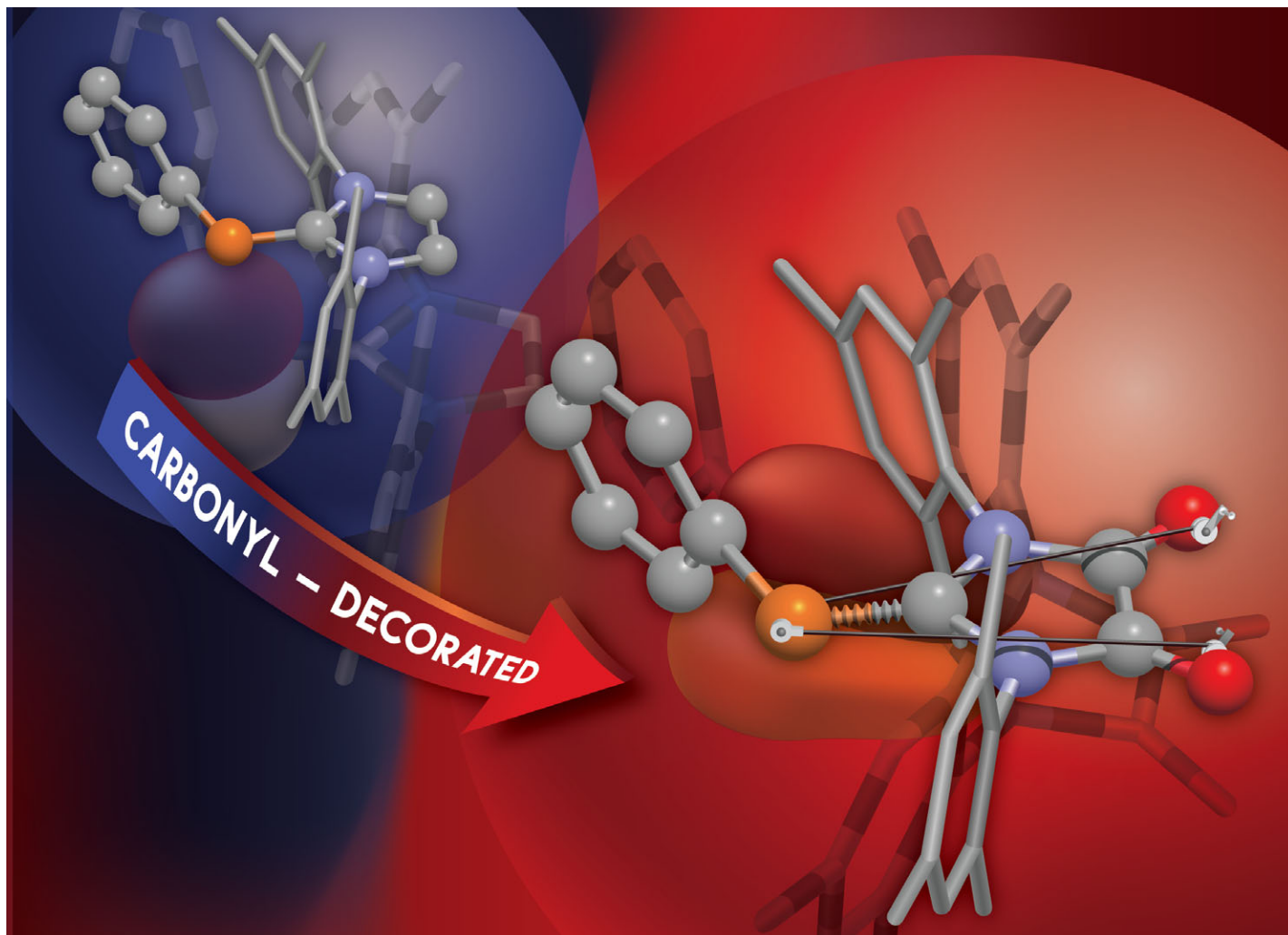
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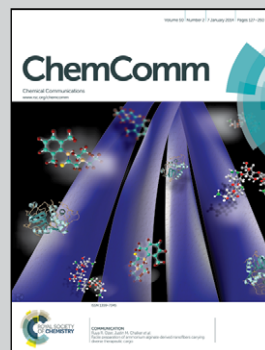


Showcasing research from T. W. Hudnall's Research Laboratory,
Department of Chemistry and Biochemistry, Texas State
University, San Marcos, Texas USA

Phosphaalkene vs. phosphinidene: the nature of the P–C bond
in carbonyl-decorated carbene \rightarrow PPh adducts

Carbonyl-decorated carbenes afford phosphaalkenes: Carbonyl
moieties can act as pulleys in carbene \rightarrow PPh adducts by
pulling electron density away from the phosphorus centre. This
enhances π -bond character, and results in a shortening of the
P–C interaction.

As featured in:



See Todd W. Hudnall,
Chem. Commun., 2014, **50**, 162.



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