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Bonding situation in silicon complexes $[(L)_2(Si_2)]$ and $[(L)_2(Si)]$ with NHC and cAAC ligands

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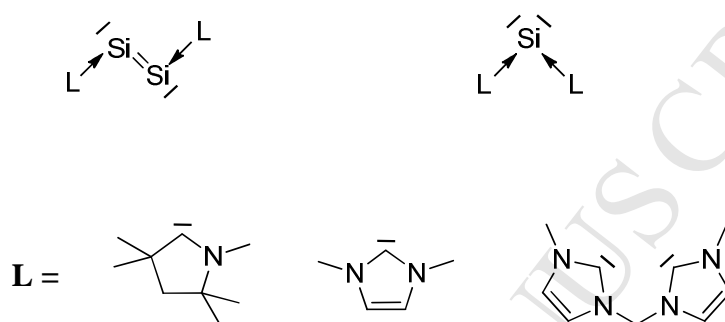
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Synopsis

Bonding analyses of the title compounds using charge- and energy decomposition methods reveal characteristic differences of the σ donation and π backdonation but also of other bonding properties of the carbene ligands.

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