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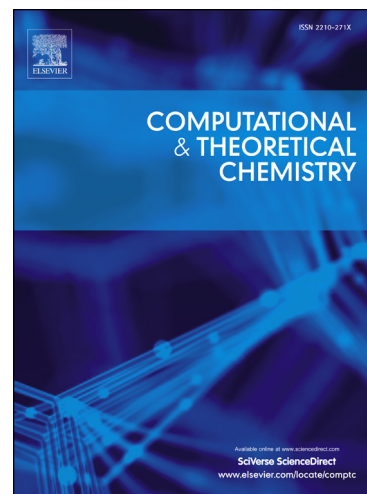
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Theoretical Studies on an Unusual $[\text{Ag}]^+ \cdots [\text{Au}]^- \cdots [\text{Au}]^- \cdots [\text{Ag}]^+$ Metallophilic Pattern: Dispersive Forces *vs* Classical Coulomb Forces

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Abstract

We have studied theoretically the organometallic compound $[\{\text{Au}(\text{C}_6\text{Cl}_5)_2\}\text{Ag}([\text{9}] \text{aneS}_3)]_2$, which displays an unprecedented $[\text{Ag}]^+ - [\text{Au}]^- - [\text{Au}]^- - [\text{Ag}]^+$ sequence of metals, formed by unsupported $\text{Au(I)} \cdots \text{Au(I)}$ and $\text{Au(I)} \cdots \text{Ag(I)}$ interactions and weaker $\text{C}_{ipso} \cdots \text{Ag}$ and $\text{C}_6\text{Cl}_5 \cdots \text{C}_6\text{Cl}_5$

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