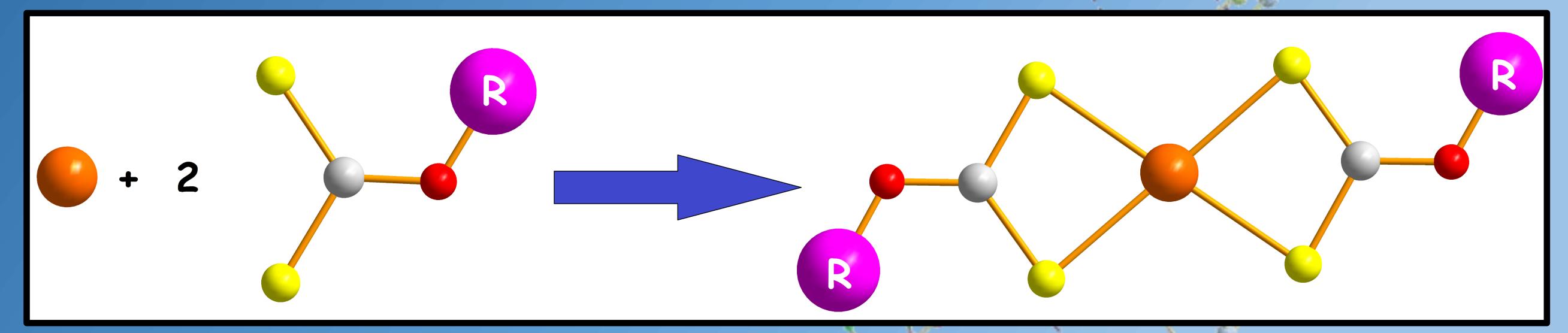


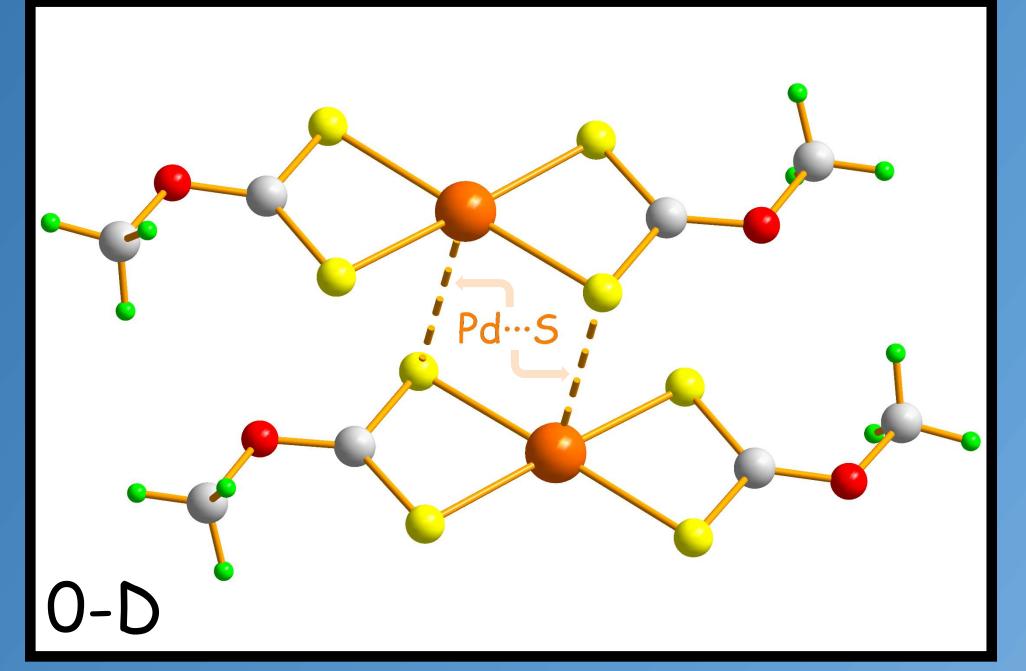
The Significance of $C-H \cdots \pi$ (metalloaromatic) Interactions in Stabilising Crystal Structures

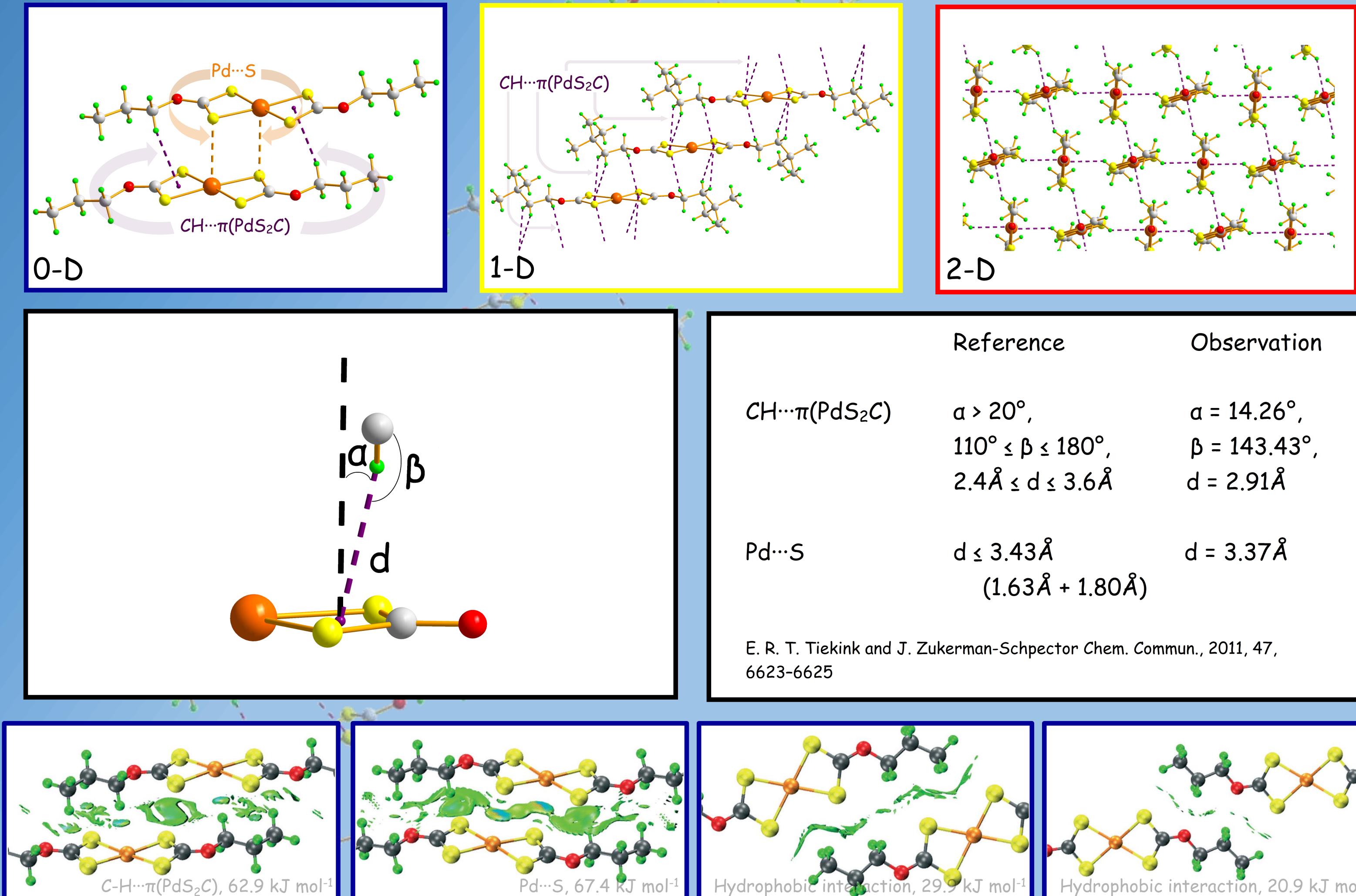
Yee Seng Tan

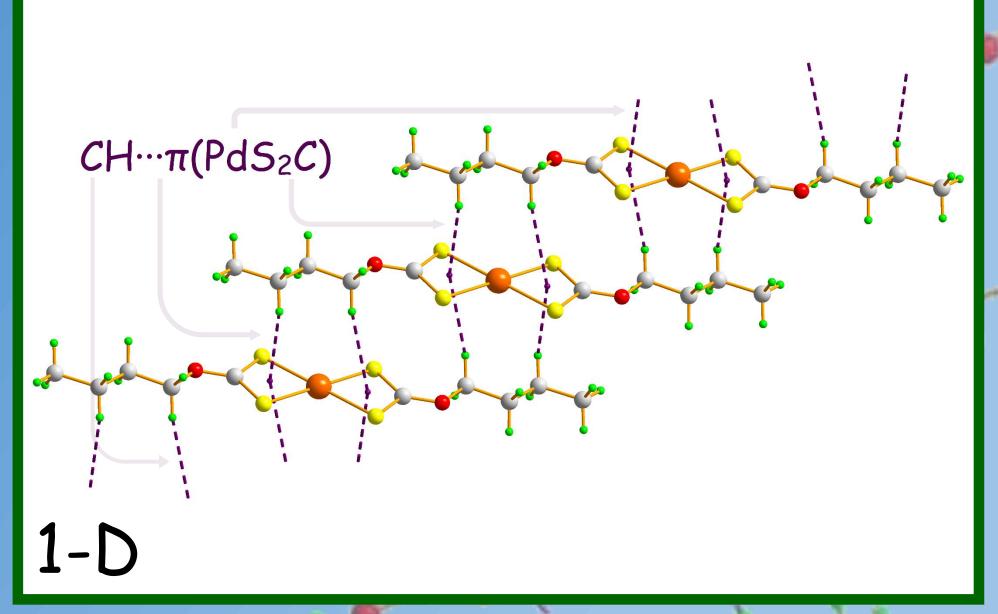
Research Centre for Crystalline Materials, Faculty of Science and Technology, Sunway University, No.5 Jalan University, 47500 Bandar Sunway, Selangor Darul Ehsan, Malaysia

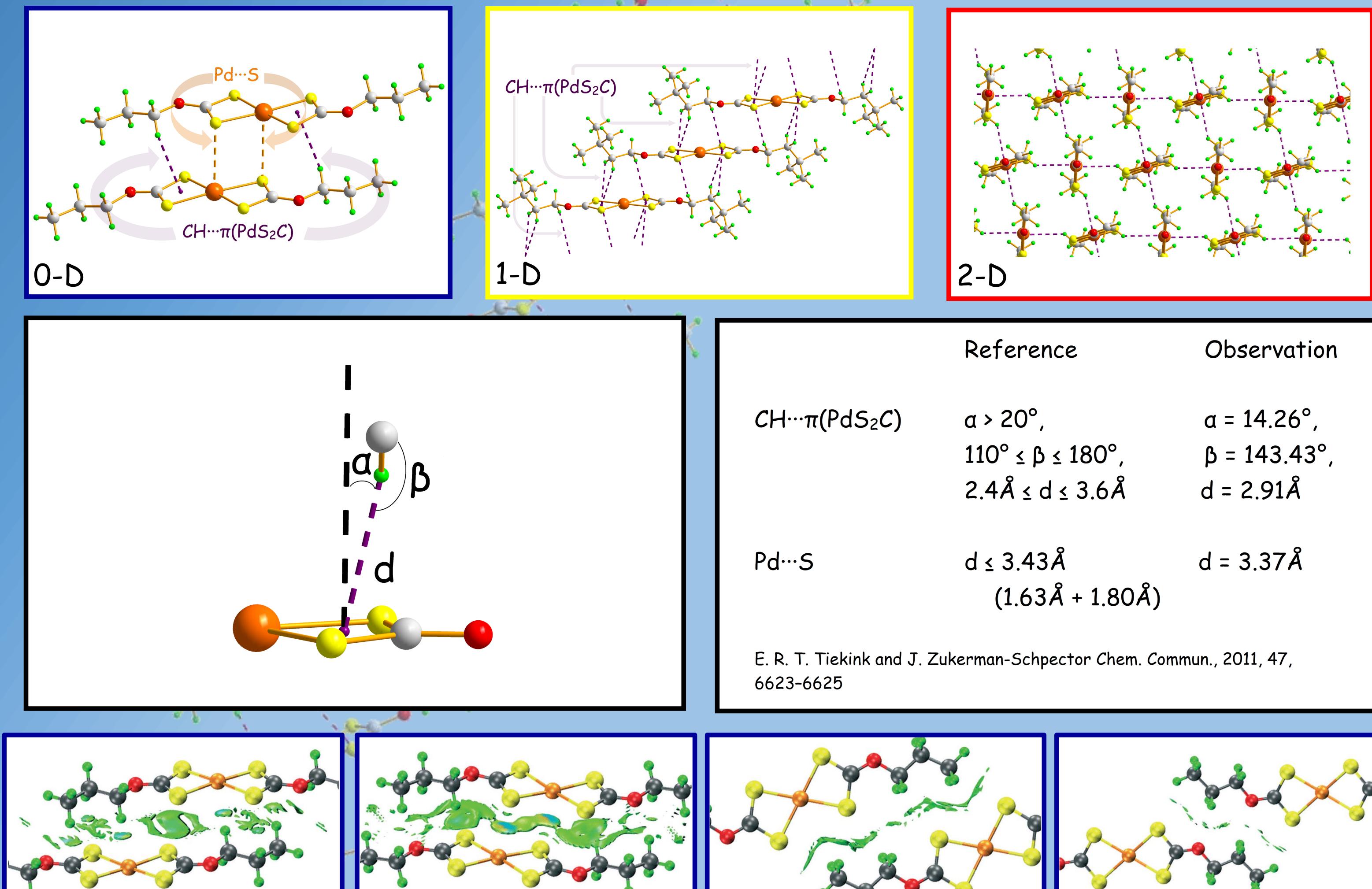
Corresponding Email: yeesengt@sunway.edu.my

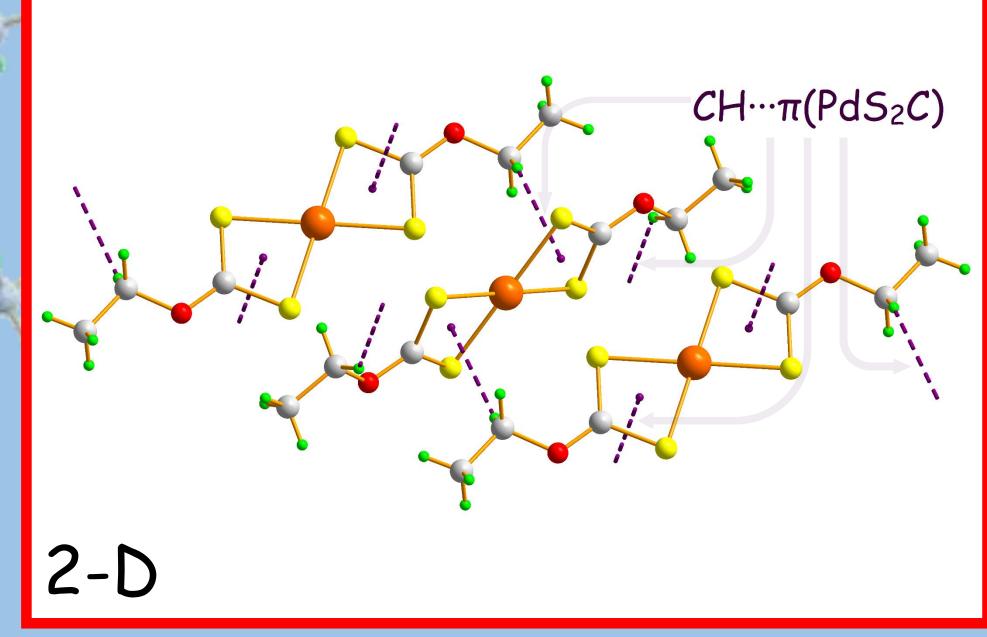


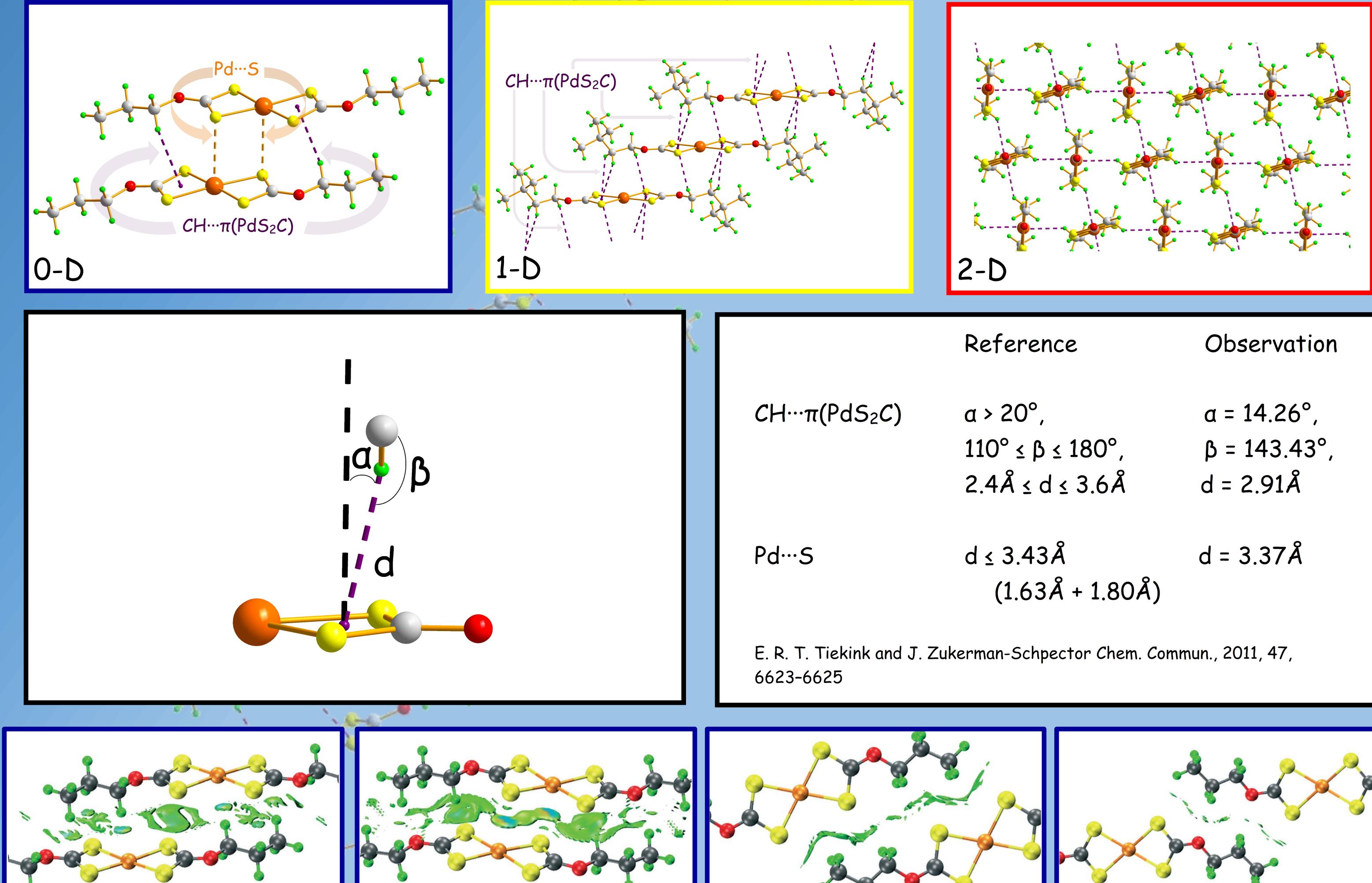












Conclusion: 11 out of 12 synthesised Palladium Xanthates show the presence of C-H··· π (PdS₂C) Jeffrey Cheah interactions. Calculation Prove that the interaction is one of the main factors contributing to the crystal packing with comparative strength as the Pd…S dimerisation interaction.

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tion, 20.9 kJ mol