

Supporting Material for ” *Highly efficient
perturbative+variational strategy for the
evaluation of the magnetic coupling constants
based on orthogonal valence bond theory.
Application to the trinuclear Cu(II) site of the
multicopper oxidases*”

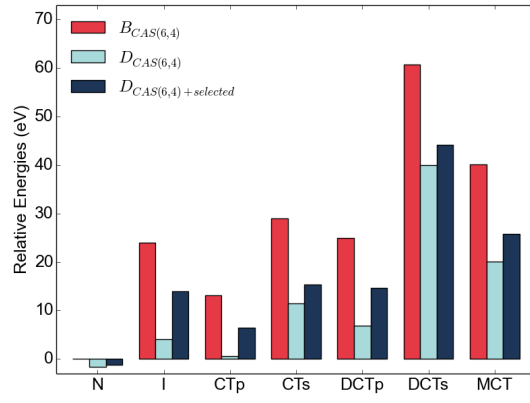
June 5, 2016

L. Tenti,^{*a} D. Maynau,^b C. Angeli,^a and C. J. Calzado^{*c}

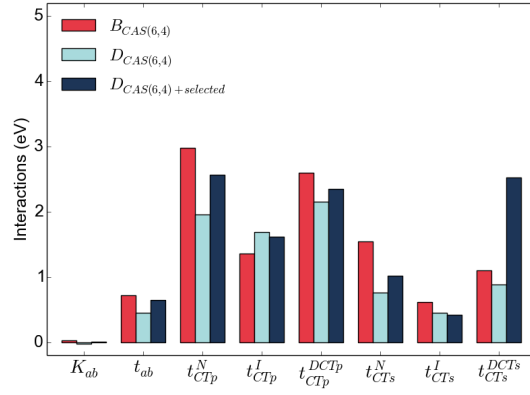
^a Dipartimento di Scienze Chimiche e Farmaceutiche, Università degli Studi di Ferrara. Via Fossato di Mortara 17, 44121 Ferrara. Italy. e-mail: lorenzo.tenti@unife.it.

^b Laboratoire de Chimie et Physique Quantique. IRSAMC. Université de Toulouse. 118, route de Narbonne, 31062 Toulouse. France.

^c Departamento de Química Física. Universidad de Sevilla. c/ Prof. García González, s/n. 41012. Sevilla. Spain. e-mail: calzado@us.es

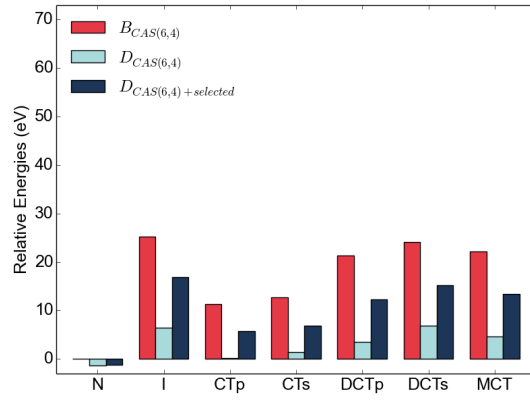


(a) Energies

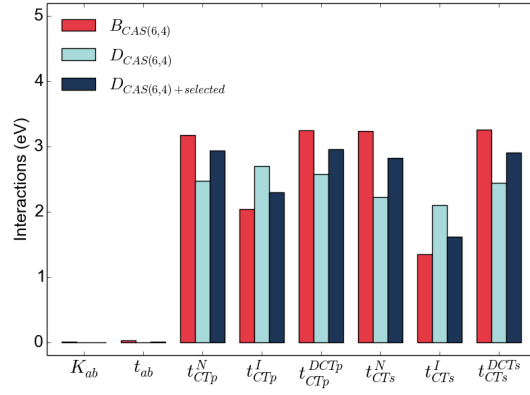


(b) Interactions

Figure S 1 – Bare (B) and dressed (D) Hamiltonian matrix elements for bisOH.



(a) Energies



(b) Interactions

Figure S 2 – Bare (B) and dressed (D) Hamiltonian matrix elements for $\text{Cu}_2(\text{OH})_2$.