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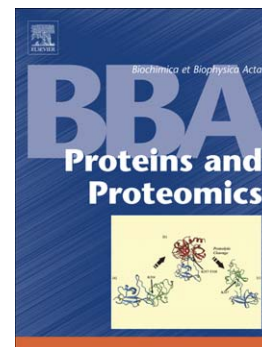
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A high-pressure NMR study

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Volumetric properties underlying ligand binding in a monomeric hemoglobin:

A high-pressure NMR study

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Abbreviations: Ce Hb: *Chlamydomonas eugametos* hemoglobin; cyanomet, ferric protein with cyanide bound; HP, high pressure; MD, molecular dynamics; NMR, nuclear magnetic resonance; Gln, *Synechococcus* sp. PCC 7002 hemoglobin; -CN, cyanomet complex; -His, ferric bis-histidine complex; Gln-R, Gln containing a *b* heme; Gln-A, Gln containing a covalently attached heme; LLES, low lying excited states; MD, molecular dynamics; pcs, pseudocontact shift; PTM, post-translational modification.

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