

INTERACTION OF SUPEROXIDE O_2^-
WITH WATER CLUSTERS. 2. COMPLEXES
BETWEEN SUPEROXIDE AND WATER HEXAMER

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S u m m a r y

The present work offers the scenarios of the bonding between a superoxide anion and 2D and 3D most stable clusters of a water hexamer such as a ring (chair), prism, and cage. The hydrogen bonding patterns formed in these superoxide–water hexamer complexes are analyzed along with their IR spectra in the region of the O–H stretching.