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Elucidation of Barocaloric Effect in Spin Crossover Compounds

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Spin crossover compounds have been recognized as promising candidates, which exhibit large barocaloric effects. From the synchrotron structural data, the temperature dependence of the Fe-N distances can be used to determine the high spin fraction. Then by fitting the temperature dependence of the high spin fraction, we obtained the change in entropy, the change in enthalpy, and the cooperativity.

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