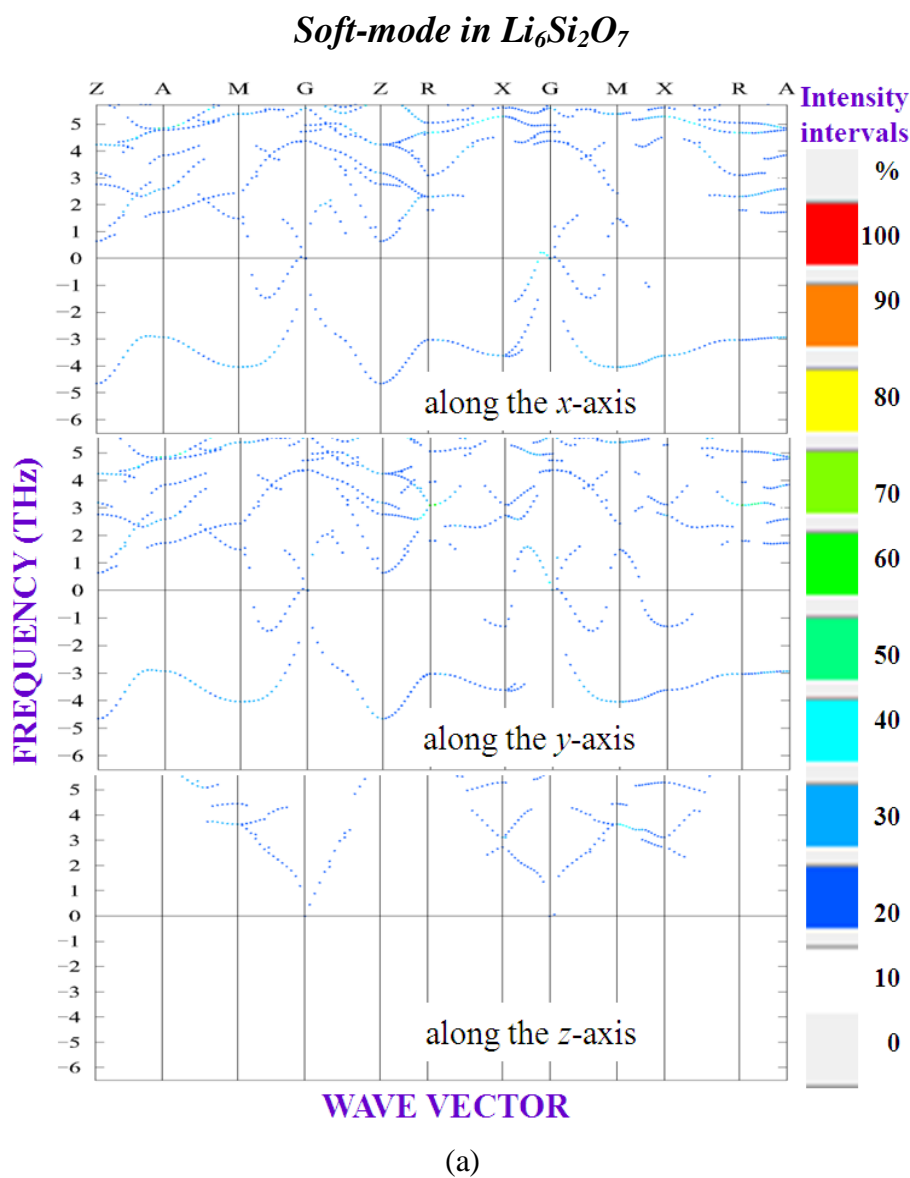
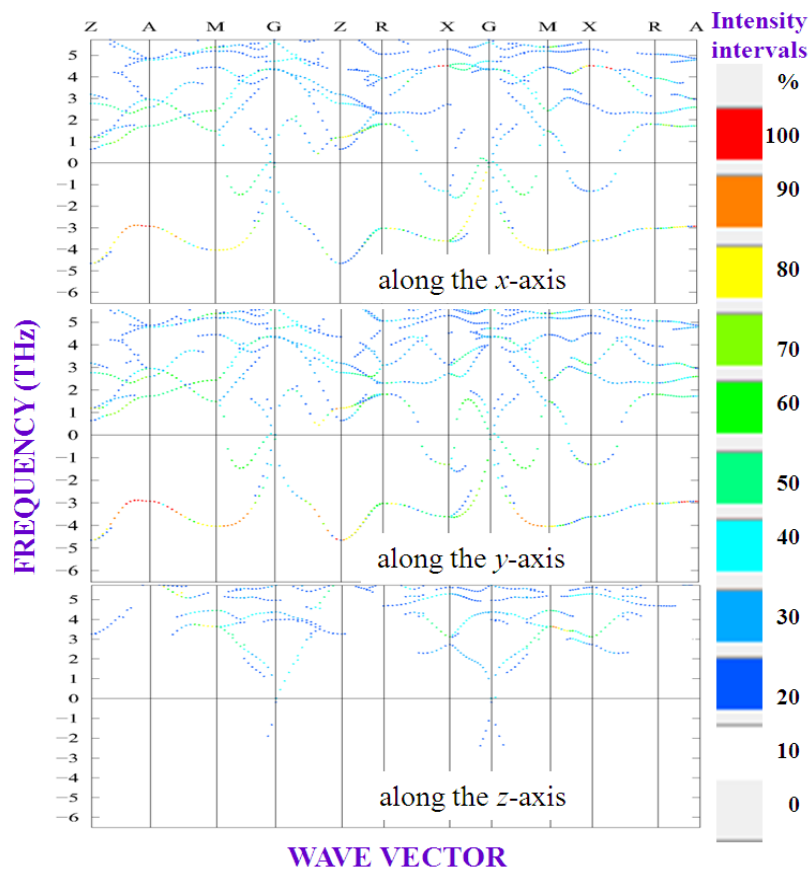


CO₂ capture properties of lithium silicates with different ratios of Li₂O/SiO₂: an *ab initio* thermodynamic and experimental approach

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Supplementary Information





(b)

Fig. S1. The phonon dispersion along x -, y -, and z -axis (a) O atom in $\text{Li}_6\text{Si}_2\text{O}_7$; (b) Si atom in $\text{Li}_6\text{Si}_2\text{O}_7$. Obviously, the soft modes are mainly due to motions of O and Si atom along x - and y - directions.