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Review

Infrared and Raman spectroscopic investigation of the reaction mechanism of cytochrome *c* oxidase

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Abbreviations: CcO, cytochrome *c* oxidase; IR, infrared; rR, resonance Raman; TR, time-resolved; BNC, binuclear center; ATR, attenuated total reflectance; FT, Fourier transform; MV, mix valence; FR, fully reduced; DFG, difference frequency generator; OPA, optical parametric amplifier, COV, CcO contained in phospholipids vesicles; TR³, time-resolved resonance Raman; CW, continuous wave; Mb, myoglobin;

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