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Enzymatic Activity and Excited State Processes in Protochlorophyllide Oxidoreductase

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List of Abbreviations

Pchl_a – protochlorophyllide

Chl_a – chlorophyllide

Chl – chlorophyll

Bchl – bacteriochlorophyll

POR – protochlorophyllide oxidoreductase

Tyr – tyrosine

Cys – cysteine

EADS – evolution-associated difference spectra

EAS – evolution-associated spectra

SADS – species-associated difference spectra

SE – stimulated emission

GSB – ground state bleaching

GS – ground state

ESA – excited state absorption

RT – room temperature

TA – transient absorption