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Wednesday, May 13, 2020

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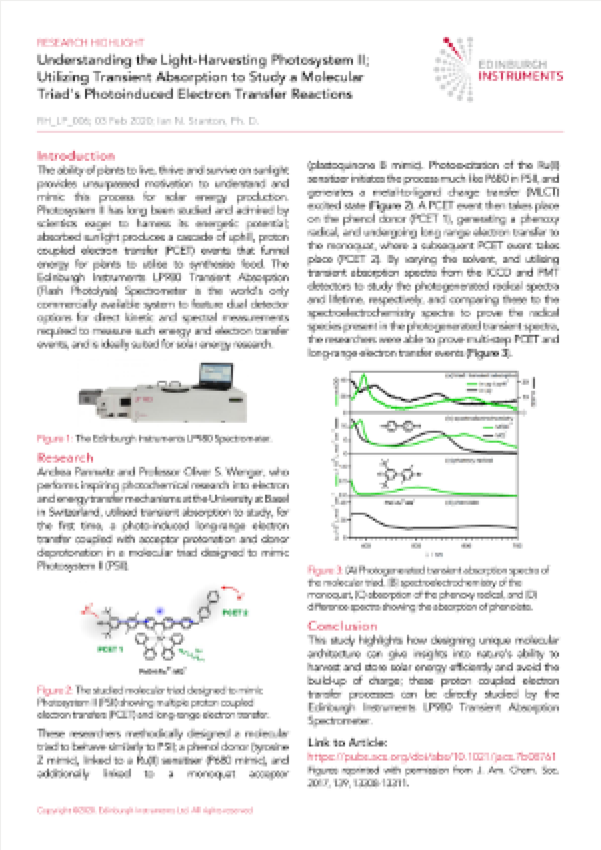
RESEARCH HIGHLIGHT

Understanding the Light-Harvesting Photosystem II; Utilizing Transient Absorption to Study a Molecular Triad's Photoinduced Electron Transfer Reactions

Understanding the Light-Harvesting Photosystem II

The ability of plants to live, thrive, and survive on sunlight provides unsurpassed motivation to understand and mimic this process for solar energy production. Photosystem II has long been studied and admired by scientists eager to harness its energetic potential; absorbed sunlight produces a cascade of uphill, proton coupled electron transfer (PCET) events that funnel energy for plants to utilise to synthesise food. In this application note, Edinburgh Instrument's LP980 Transient Absorption Spectrometer is used to measure energy and electron transfer events.

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