Part III

APPENDIX
BIBLIOGRAPHY


### ACRONYMS

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
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<tbody>
<tr>
<td>β-DM</td>
<td>n-Dodecyl β-D-maltoside</td>
</tr>
<tr>
<td>AOM</td>
<td>Acousto-optic modulator</td>
</tr>
<tr>
<td>ATP</td>
<td>Adenosin triphosphate</td>
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<tr>
<td>BBY</td>
<td>Photosystem II membrane preparation [Berthold et al. (1981)]</td>
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<tr>
<td>Car</td>
<td>Carotenoid</td>
</tr>
<tr>
<td>CD</td>
<td>Circular dichroism</td>
</tr>
<tr>
<td>CFD</td>
<td>Constant fraction discriminator</td>
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<tr>
<td>Chl</td>
<td>Chlorophyll</td>
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<tr>
<td>CT</td>
<td>Charge transfer</td>
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<tr>
<td>Cyt $b_6f$</td>
<td>Cytochrome $b_6f$</td>
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<tr>
<td>EET</td>
<td>Excitation energy transfer</td>
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<tr>
<td>Fd</td>
<td>Ferredoxin</td>
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<tr>
<td>FWHM</td>
<td>Full width at half maximum</td>
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<tr>
<td>IC</td>
<td>Internal conversion</td>
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<tr>
<td>IRF</td>
<td>Instrument response function</td>
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<tr>
<td>ISC</td>
<td>Intersystem crossing</td>
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<tr>
<td>LHC</td>
<td>Light-harvesting complex</td>
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<tr>
<td>LHCII</td>
<td>Light-harvesting complex II</td>
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<tr>
<td>Lut</td>
<td>Lutein</td>
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<tr>
<td>NADPH</td>
<td>Reduced form of NADP$^+$</td>
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<tr>
<td>NADP$^+$</td>
<td>Nicotinamide adenine dinucleotide phosphate</td>
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<tr>
<td>NPQ</td>
<td>Non-photochemical quenching</td>
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</tbody>
</table>
OEC Oxygen-evolving complex
PC Plastocyanin
PSI Photosystem I
PSII Photosystem II
RC Reaction center
RT Room temperature
RMS Root mean square
ROS Reactive oxygen species
S-S Singlet-singlet annihilation
S-T Singlet-triplet annihilation
SI Supporting information
SMS Single-molecule spectroscopy
SNR Signal-to-noise ratio
SPAD Single-photon avalanche diode
TCSPC Time correlated single photon counting
TTTR Time-tagged time-resolved
TDC Time to digital converter
Tyr$Z$ Tyrosine-Z