Abbreviation

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| Chl | Total chlorophyll |
| Chl a | Chlorophyll a |
| Chl b | Chlorophyll b |
| Car | Total carotenoids |
| SOD | Superoxide dismutase |
| POD | Peroxidase |
| MDA | Malondialdehyde |
| *A*n | Photosynthetic rate |
| *gs* | Stomatal conductance |
| *C*i | Intercellular CO2 concentration |
| *WUEi* | The intrinsic water use efficiency |
| *C*i/*C*a | The ratio of intercellular to ambient CO2 concentration |
| Fo | Minimal chlorophyll fluorescence emission |
| Fm | Maximal chlorophyll fluorescence emission |
| Fo' | Minimal fluorescence level in the light-adapted state |
| Fm' | Maximal fluorescence level in the light-adapted state |
| Fs | The steady-state value of fluorescence |
| qp | Photochemical quenching coefficient |
| Fv/Fm | Maximum quantum yield PSII |
| Hd | Thermal dissipation |
| NPQ | Non-photochemical quenching |
| PM | plasma membrane |
| CW | cell wall |
| ChM | chloroplast membrane |
| SG | starch granules |
| OS | osmium granules |
| Thl | lamellar structure of thylakoids |
| iTRAQ | Isobaric tags for relative and absolute quantitation |
| PSI | Photosystem I |
| PSII | Photosystem II |
| LHC | Light-harvesting complex |
| DEPs | Differentially expressed proteins |