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Supramolecular structures of thylakoid membrane protein complexes

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Supramolecular structures of thylakoid membrane protein complexes

Supercomplex organization under different environmental conditions

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Supercomplex organization under different environmental conditions

Rameez Arshad
PhD Thesis
University of Groningen

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Supercomplex organization under different environmental conditions

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Abbreviations

CCD	charge coupled device
Cc	chromatic aberration
Cs	spherical aberration
Cryo-EM	cryo-electron microscopy
Cryo-SEM	cryo-scanning electron microscopy
cryo-ET	cryo-electron tomography
CSTET	cryo-scanning transmission electron microscopy tomography
CTF	contrast transfer function
DDD	direct detection device
DQE	detector quantum efficiency
FCP	fucoxanthin chl <i>a/c</i> -binding proteins
Fd	ferredoxin
FEG	field emission gun
FNR	ferredoxin NADP ⁺ reductase
LHC	light-harvesting complex
MSA	multivariate statistical analysis
NPQ	non-photochemical quenching
OEC	oxygen evolving complex
PBS	phycobilisomes
Pc	plastocyanin
PSI	photosystem I
PSII	photosystem II
SGB	Suc-gradient band
SPA	single particle analysis
RC	reactions center
ROS	reactive oxygen species
SNR	signal to noise ratio
TEM	transmission electron microscope
VPP	Volta phase plate