# A semisynthetic peptide-metalloporphyrin responsive matrix for artificial photosynthesis

Sun, Z.

# Index

## Contents

# Chapter 3

# Chapter 4



# Chapter 5

# Chapter 6

# Abbreviations

| | |
|---|---|
| 3DEM | 3D Electron Microscopy |
| BCA | Bicinchoninic acid |
| BChl | Bacteriochlorophyll |
| CD | Circular dichroism |
| CMC | Critical micelle concentration |
| Cryo-EM | Cryogenic electron microscopy |
| CsmA | Chlorosome protein A |
| CTF | Contrast transfer function |
| DMSO | Dimethyl sulfoxide |
| E.coli | Escherichia coli |
| ET | Electron tomography |
| FMO | Fenna matthews olson |
| GuHCl | Guanidine hydrochloride |
| HG | Hexyl β-D-glucopyranoside |
| ICP-OES | Inductive coupled plasma optical emission spectrometry |
| IPTG | Isopropyl β- d-1-thiogalactopyranoside |
| KPi | Potassium phosphate |
| LD | Linear dichroism |
| MBP | Maltose-binding protein |
| MV | Methyl viologen |
| NCAP | Non-adiabatic conversion by adiabatic passage |
| NMR | Nuclear magnetic resonance |
| OG | Octyl β-D-glucopyranoside |
| RP-HPLC | Reverse phase high-performance liquid chromatography |
| SEC | Size exclusion chromatography |

.