

Table s1. The concentration and rate data for steady-state kinetic of CNPs

| Concentration(mM/L) | | V | |
|---------------------|-------------------------------|-------------|-------------------------------|
| TMB | H ₂ O ₂ | TMB | H ₂ O ₂ |
| 0.019 | 0.4 | 0.244±0.018 | 0.449±0.036 |
| 0.038 | 0.8 | 0.624±0.004 | 0.796±0.0126 |
| 0.075 | 1.6 | 1.281±0.03 | 1.025±0.056 |
| 0.15 | 2.4 | 1.900±0.083 | 1.243±0.030 |
| 0.225 | 3.2 | 2.391±0.090 | 1.382±0.023 |
| 0.375 | 4 | 2.543±0.263 | 1.476±0.031 |
| 0.450 | 5 | 2.761±0.072 | 1.561±0.069 |
| 0.525 | 6 | 2.834±0.038 | 1.608±0.039 |