

Figure S1 CD and UV-vis spectra of 1-4 (imethanol solutions).

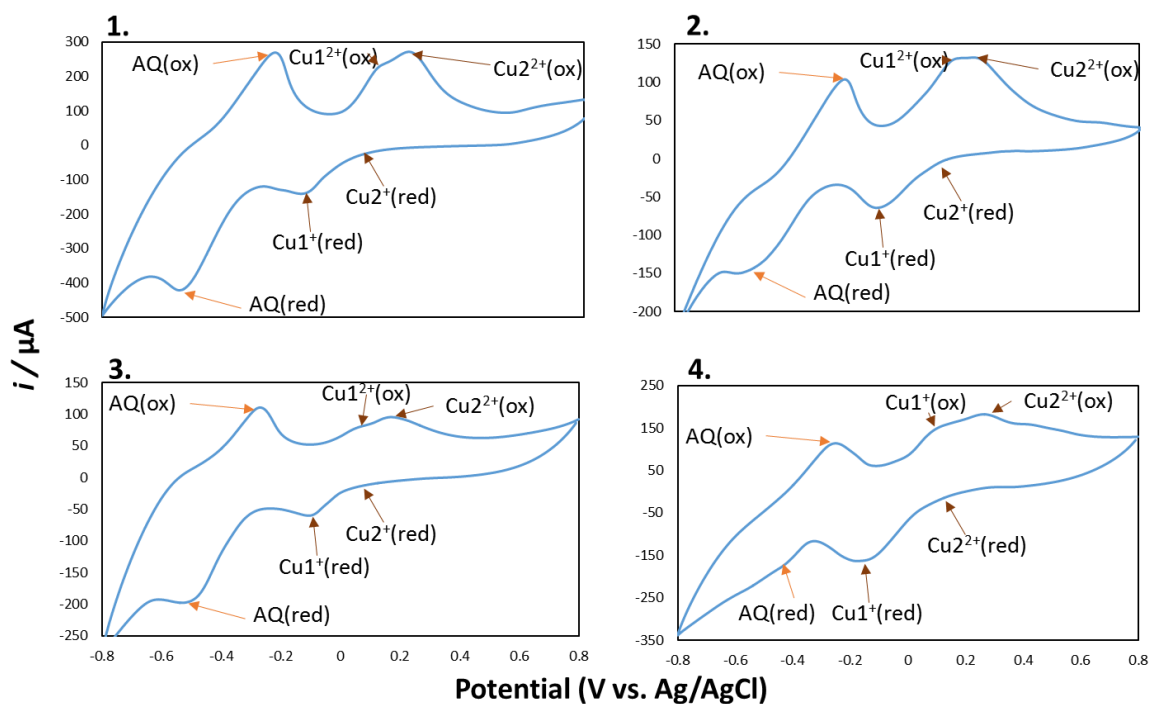


Figure S2 CV (Ag/AgCl, scan rate 0.05 V/s, in acetate buffer pH 5.0, 200 mM) of **1-4**.

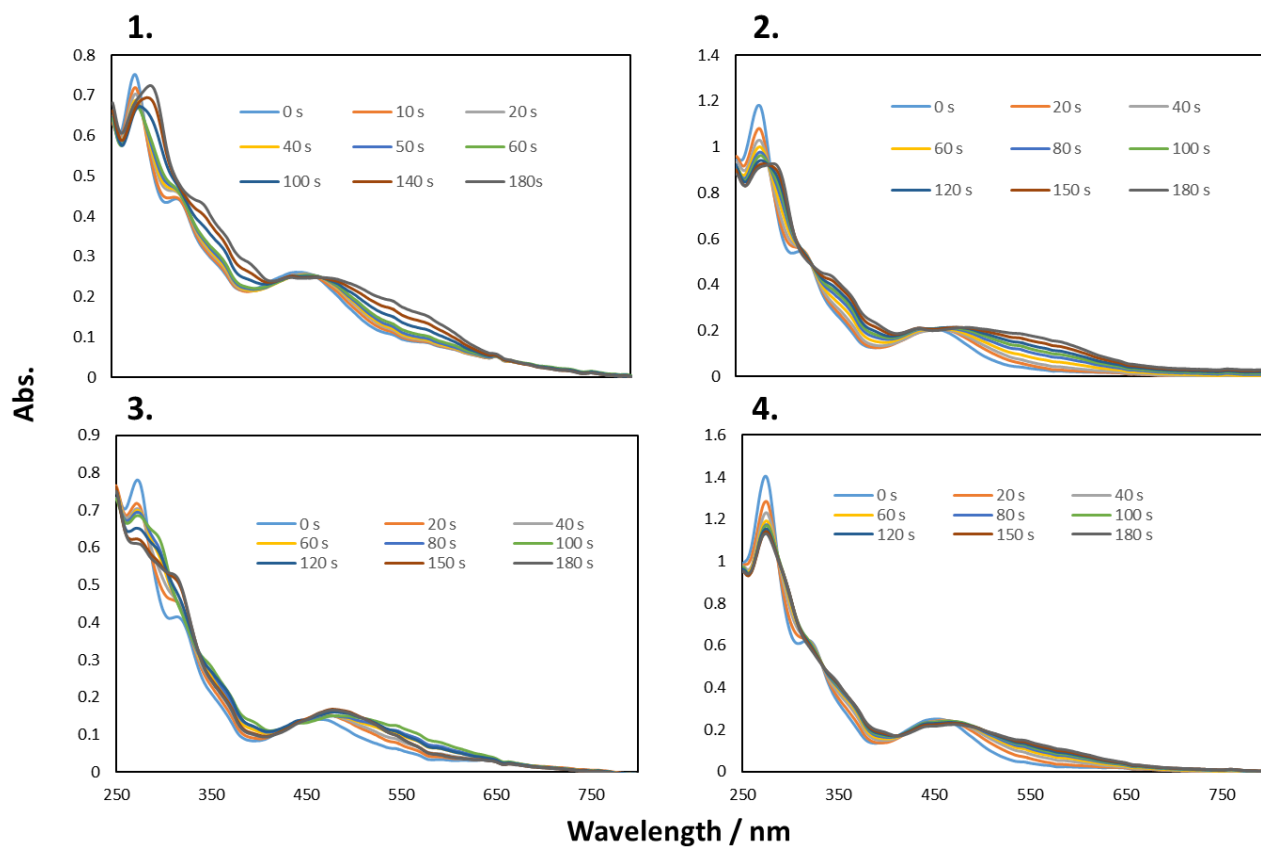


Figure S3 UV-vis spectra from spectroelectrochemical measurements (acetate buffer pH 5.0, 200 mM, scan 0.05 V/s, reaction time at 0, 10, 20, 40, 50, 60, 100, 140, and 180 s) for **1-4**.

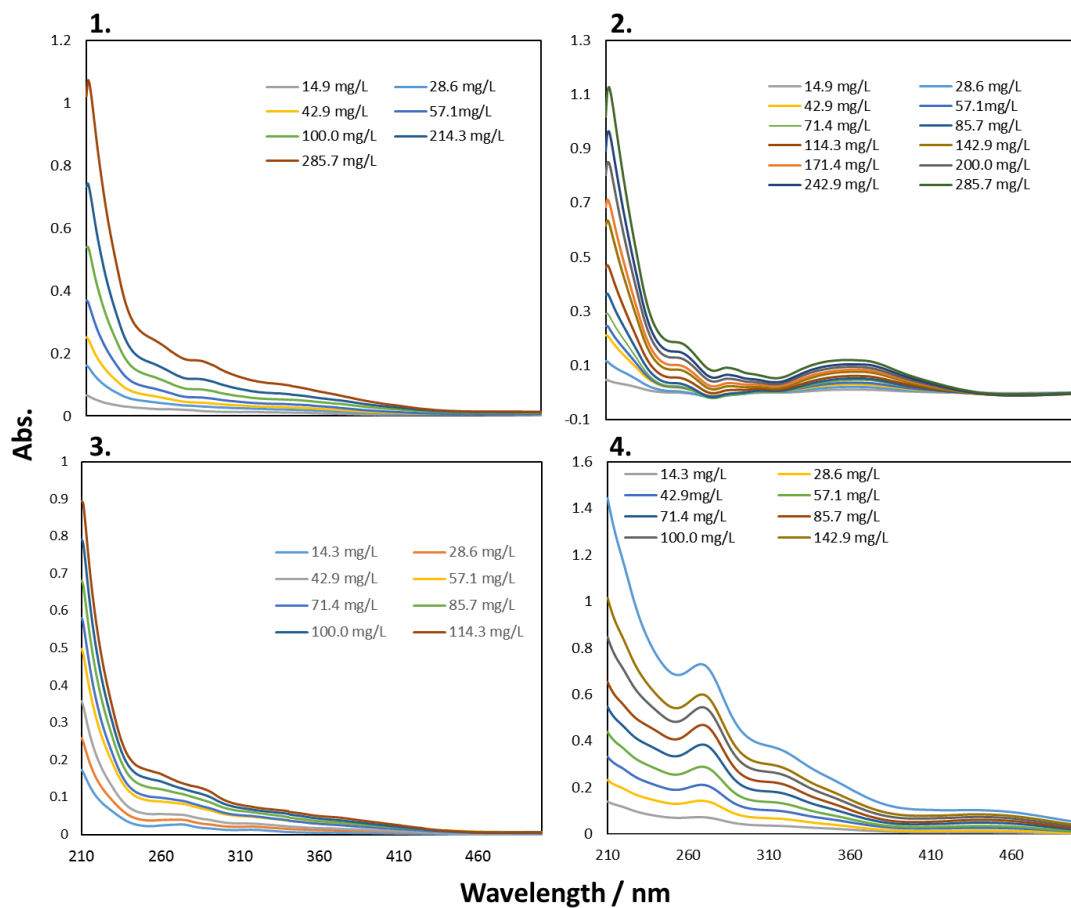


Figure S4 Changes of UV-vis spectra of 1-4 (6 μ M in 70 ML water:metanol=9:1 solvent) after addition of laccase by 1 mg.

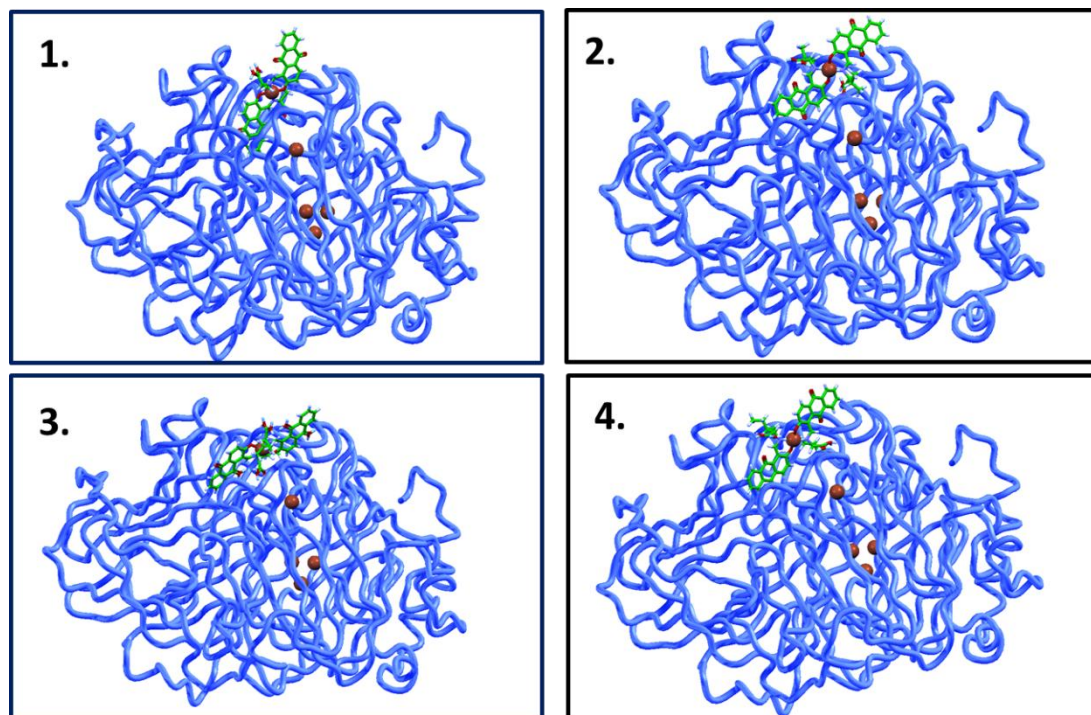


Figure S5 Docking simulation (GOLD) of laccase (PDB 1GYC) and a complex (1-4) optimized by TD-DFT.

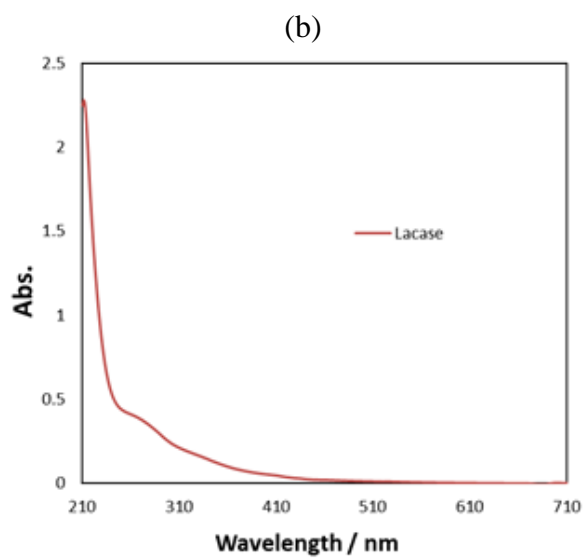
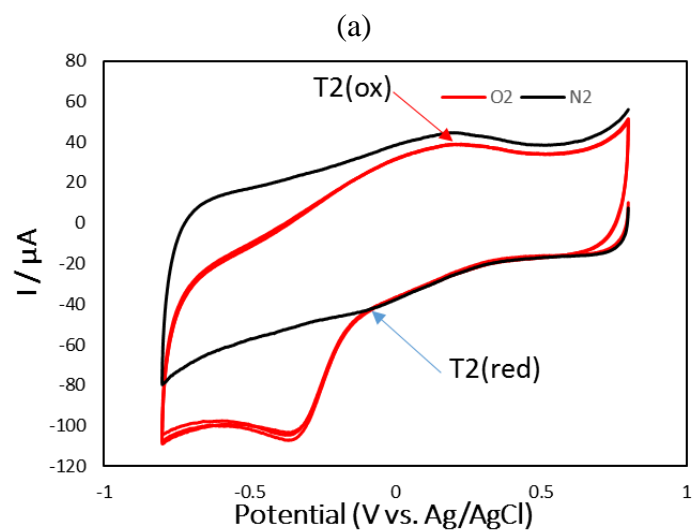


Figure S6 (a) CV (vs Ag/AgCl, scan rate 0.05 V/s, in acetate buffer pH 5.0, 200 mM) of (sole) laccase purged by oxygen (red) or nitrogen (black). (b) UV-vis spectra of (sole) laccase.