Fig. SI-II. Normalized SECM feedback approach curves under illumination with blue LED in different electrolytes (a) (T-), and (b) Co^{2+}. Photon flux density of LED in 10^{-9} mol cm^{-2} s^{-1} (1) 2.2, (2) 6.1, (3) 6.82 (4)11.8, (5) 13.9, (6) 19.8 (7) 22.4; $V_T = 0.05$ Vs^{-1}, ET = 0.7 V, k (a) for T- electrolyte (1) 0.13, (2)0.12, (3) 0.11, (4) 0.109 (5) 0.086 (6) 0.081(7) 0.052 and corresponding $k_{eff} \times 10^{-3}$ cms^{-1} (1) 2.87 (2)5.61 (3) 5.93, (4) 7.56 (5) 8.01 (6) 8.91 (7) 9.19 (b) for Co^{2+} electrolyte (1) 0.018 (2)0.036, (3) 0.038 (4) 0.049 (5) 0.052 (6) 0.057 (7) 0.059 and corresponding $k_{eff} \times 10^{-3}$ cms^{-1}(1) 1.28, (2)2.51, (3) 2.66 (4) 3.39 (5) 3.59 (6) 3.99 (7) 4.12