

Supplementary Materials

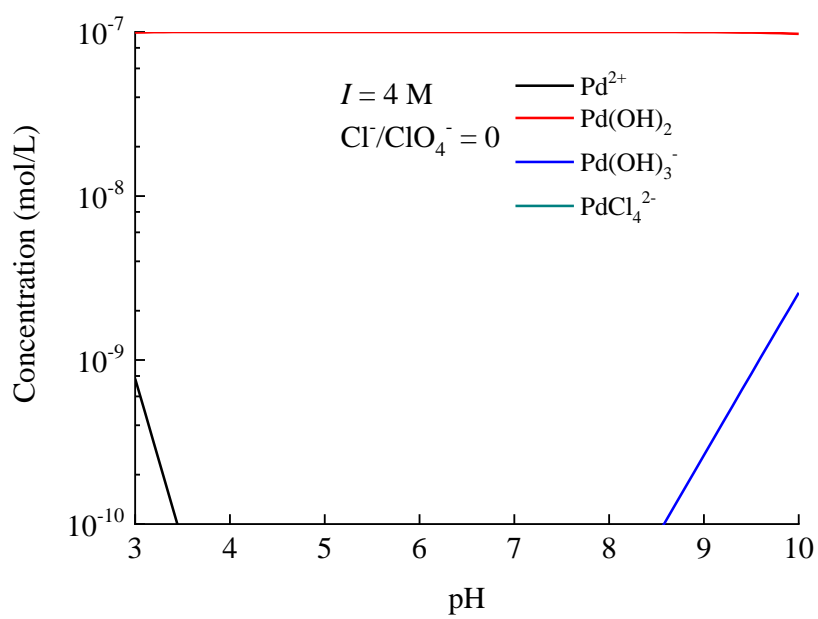


Figure S-1: Pd speciation in Na-Ca-Cl-ClO₄ solution (Cl⁻/ClO₄⁻ molar concentration ratio = 0) at $I = 4 \text{ M}$.

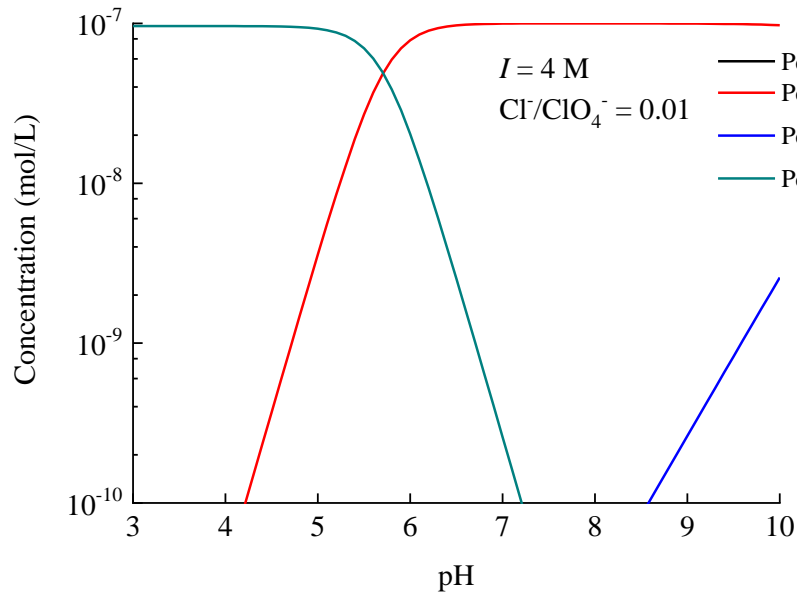


Figure S-2: Pd speciation in Na-Ca-Cl-ClO₄ solution (Cl⁻/ClO₄⁻ molar concentration ratio = 0.01) at $I = 4$ M.

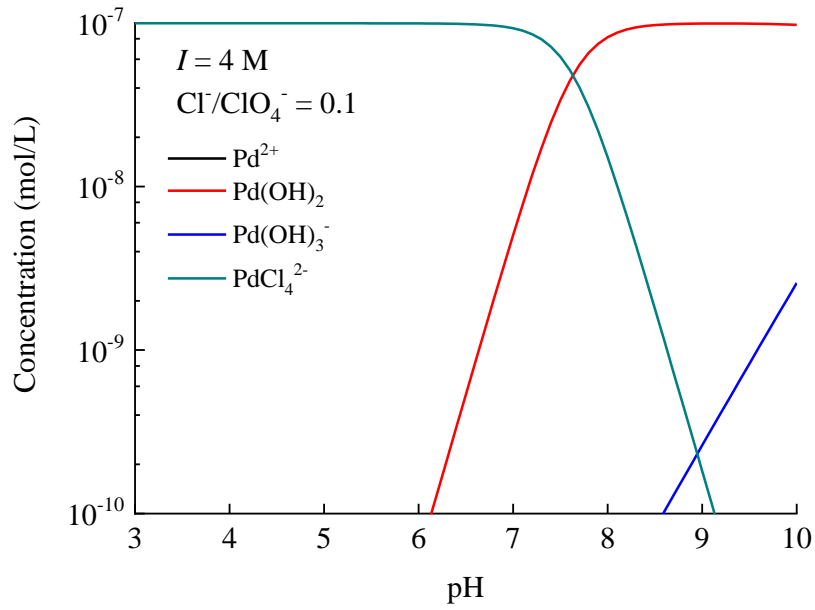


Figure S-3: Pd speciation in Na-Ca-Cl-ClO₄ solution (Cl⁻/ClO₄⁻ molar concentration ratio = 0.1) at $I = 4$ M.

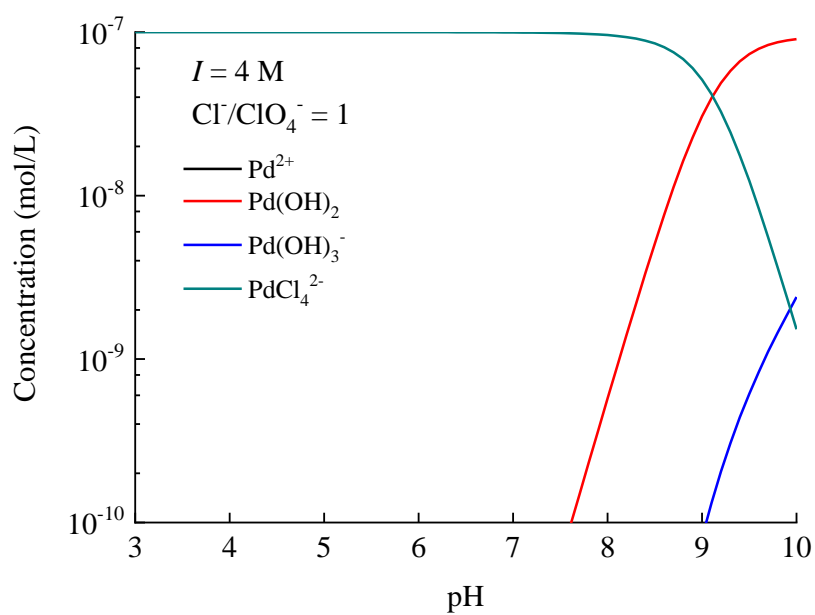


Figure S-4: Pd speciation in Na-Ca-Cl-ClO₄ solution (Cl⁻/ClO₄⁻ molar concentration ratio = 1) at $I = 4$ M.

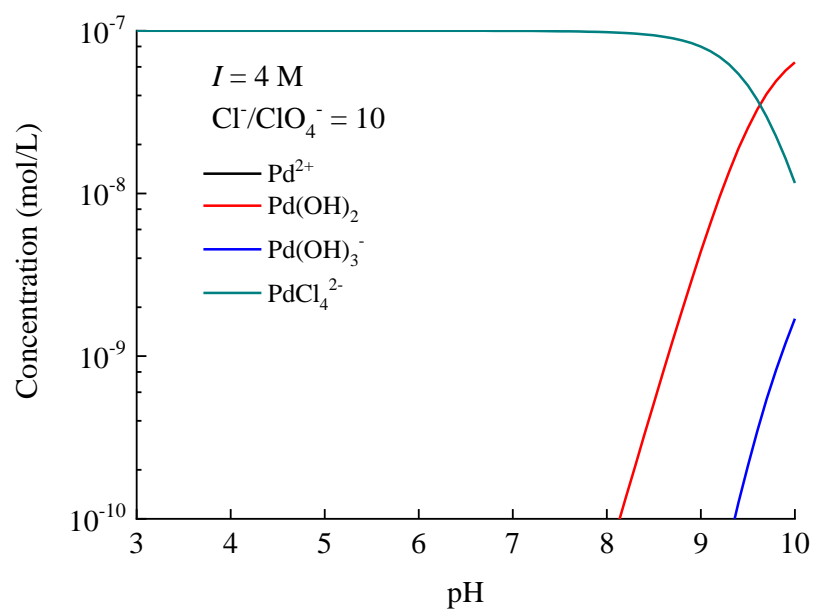


Figure S-5: Pd speciation in Na-Ca-Cl-ClO₄ solution (Cl⁻/ClO₄⁻ molar concentration ratio = 10) at $I = 4$ M.

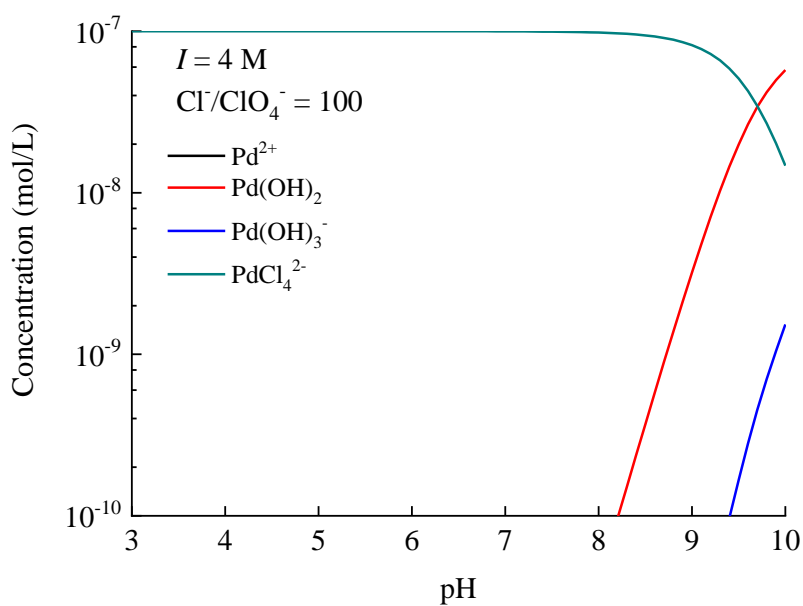


Figure S-6: Pd speciation in Na-Ca-Cl-ClO₄ solution (Cl⁻/ClO₄⁻ molar concentration ratio = 100) at $I = 4$ M.

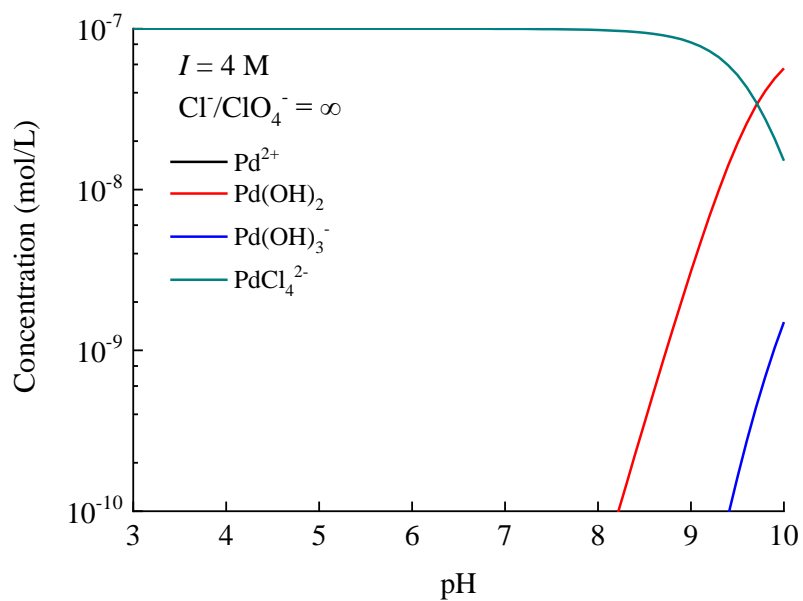


Figure S-7: Pd speciation in Na-Ca-Cl-ClO₄ solution (Cl⁻/ClO₄⁻ molar concentration ratio = ∞) at $I = 4$ M.

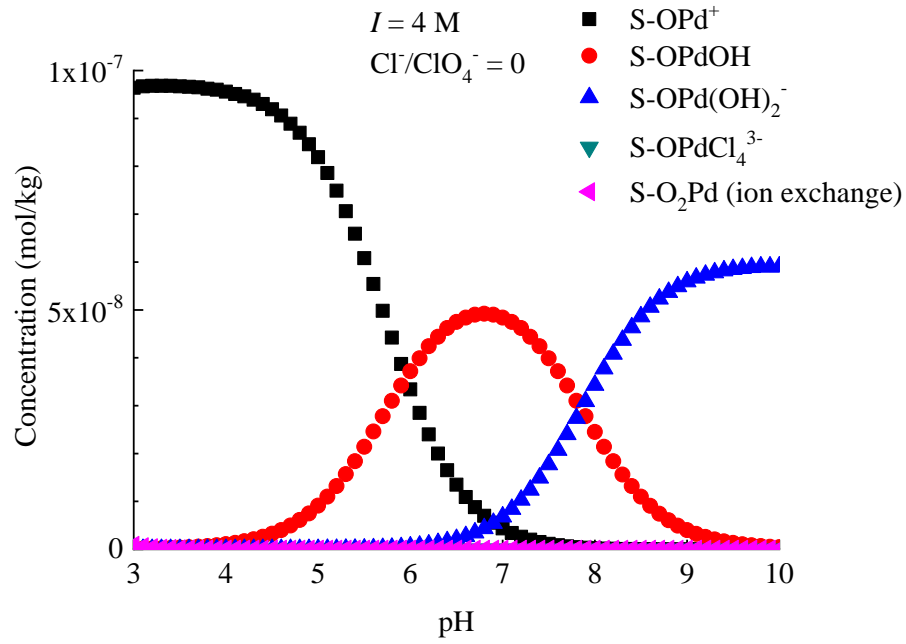


Figure S-8: Pd sorption reaction on MX-80 in Na-Ca-Cl-ClO₄ solution (Cl⁻/ClO₄⁻ molar concentration ratio = 0) at *I* = 4 M.

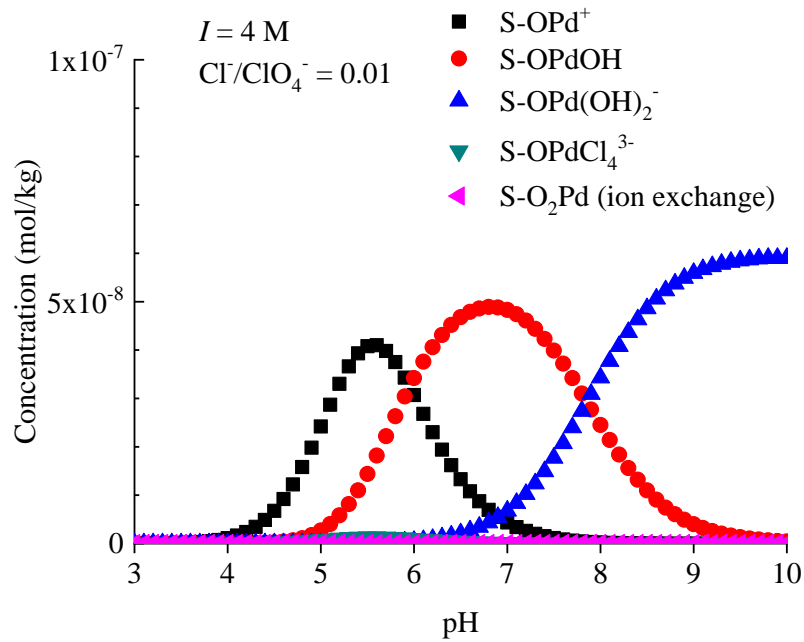


Figure S-9: Pd sorption reaction on MX-80 in Na-Ca-Cl-ClO₄ solution (Cl⁻/ClO₄⁻ molar concentration ratio = 0.01) at *I* = 4 M.

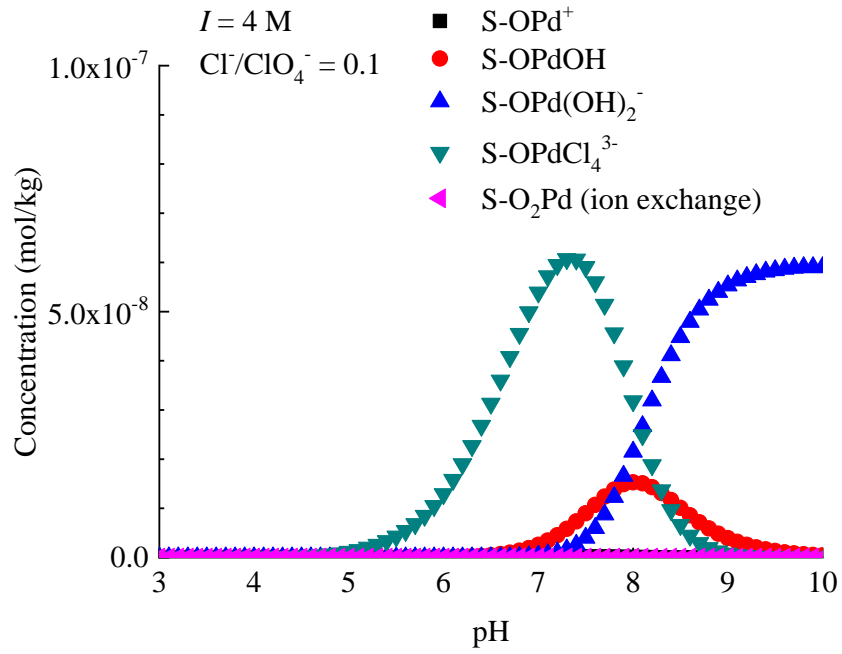


Figure S-10: Pd sorption reaction on MX-80 in Na-Ca-Cl-ClO₄ solution (Cl⁻/ClO₄⁻ molar concentration ratio = 0.1) at $I = 4 \text{ M}$.

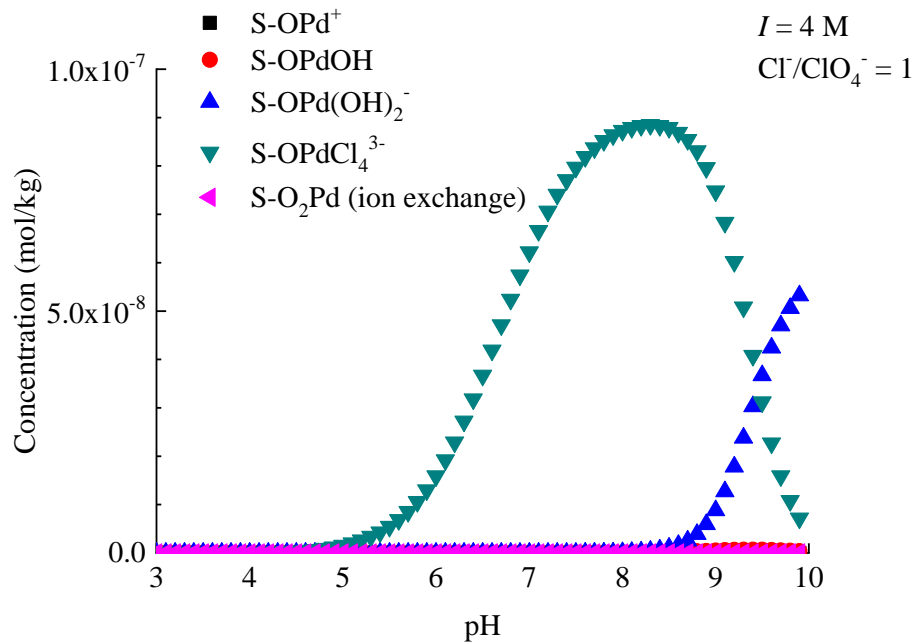


Figure S-11: Pd sorption reaction on MX-80 in Na-Ca-Cl-ClO₄ solution (Cl⁻/ClO₄⁻ molar concentration ratio = 1) at $I = 4 \text{ M}$.

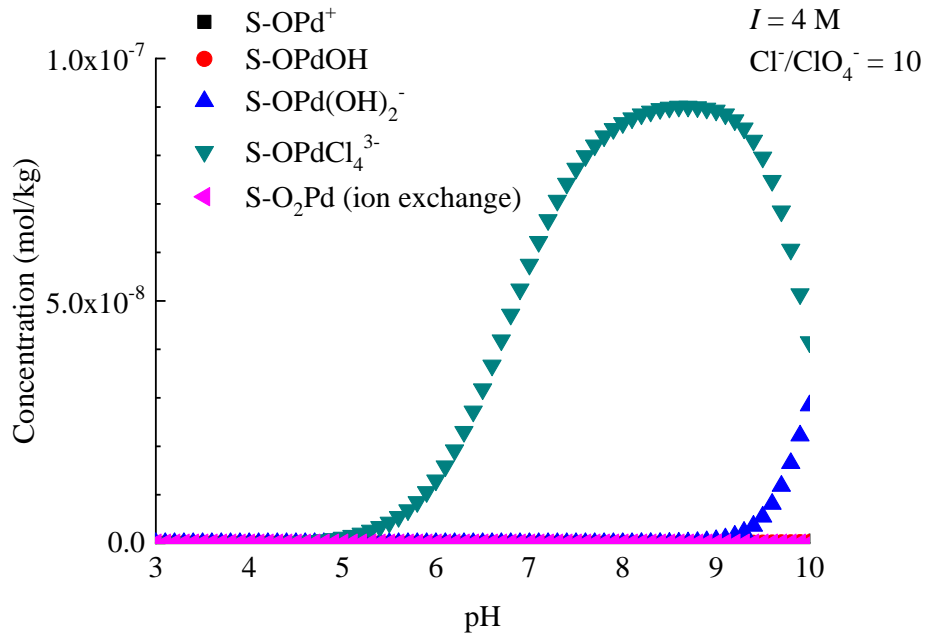


Figure S-12: Pd sorption reaction on MX-80 in Na-Ca-Cl-ClO₄ solution (Cl⁻/ClO₄⁻ molar concentration ratio = 10) at $I = 4$ M.

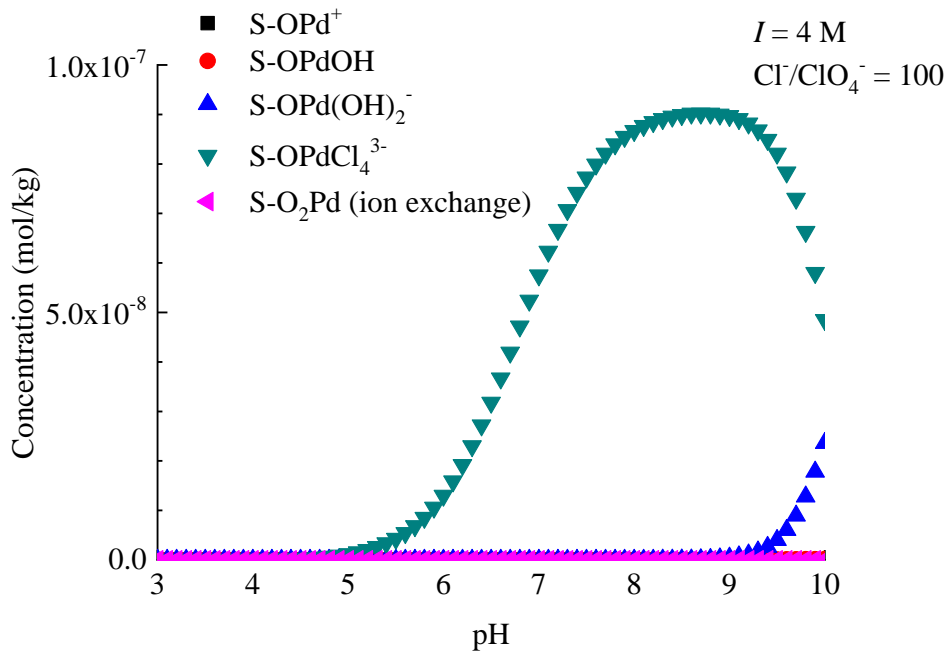


Figure S-13: Pd sorption reaction on MX-80 in Na-Ca-Cl-ClO₄ solution (Cl⁻/ClO₄⁻ molar concentration ratio = 100) at $I = 4$ M.

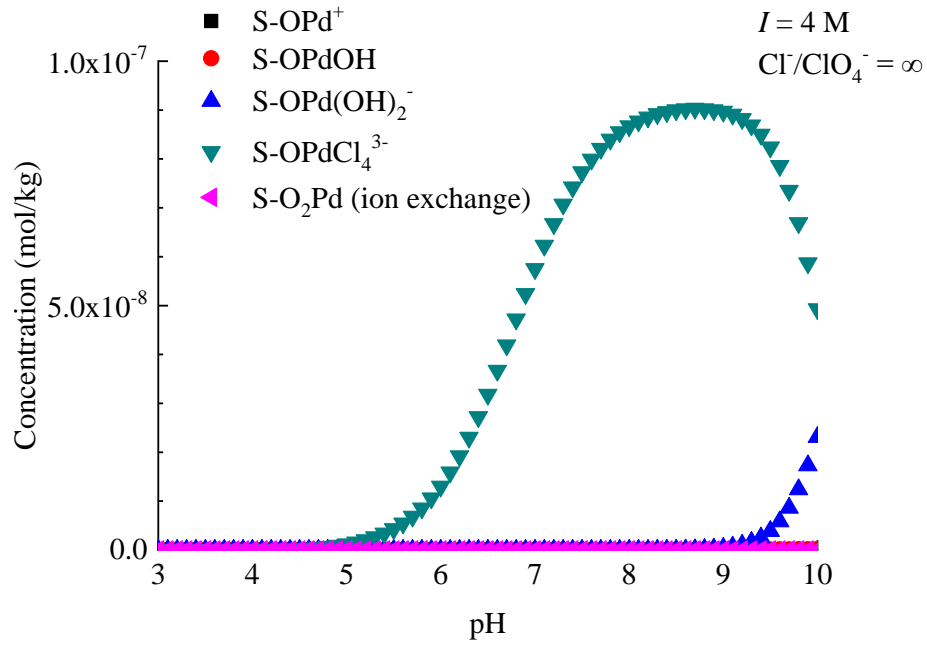


Figure S-14: Pd sorption reaction on MX-80 in Na-Ca-Cl-ClO₄ solution (Cl⁻/ClO₄⁻ molar concentration ratio = ∞) at $I = 4 \text{ M}$.