Electronic Supplementary Information

The results of the curve-fitting to the XAFS χ spectra shown in Figure 1 are given in Fig.E1-E9. Also, a fitting to an equation, $\chi = \alpha_1\chi_1 + \alpha_2\chi_2$, for K^+ in the hydrated resin is given in Fig.E10. Obviously, the χ spactrum is best explained by this equation.

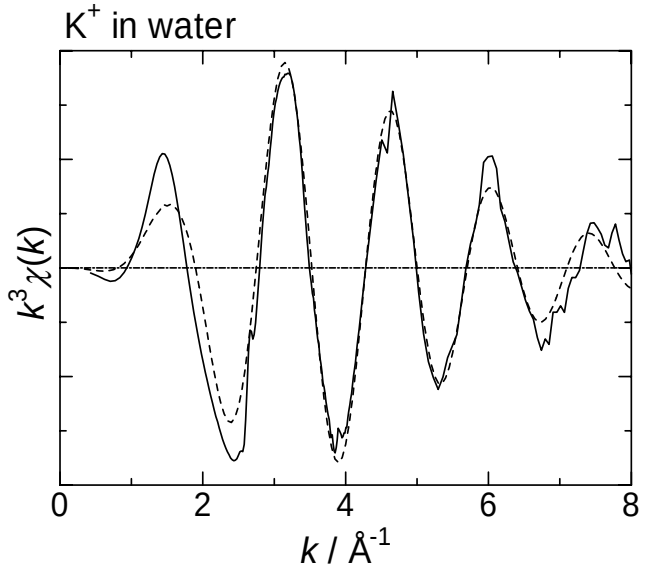

Fig.E1 XAFS spectrum for hydrated K^+. Solid curve, experimental spectrum. Broken curve, fitting with parameters listed in Table 1.

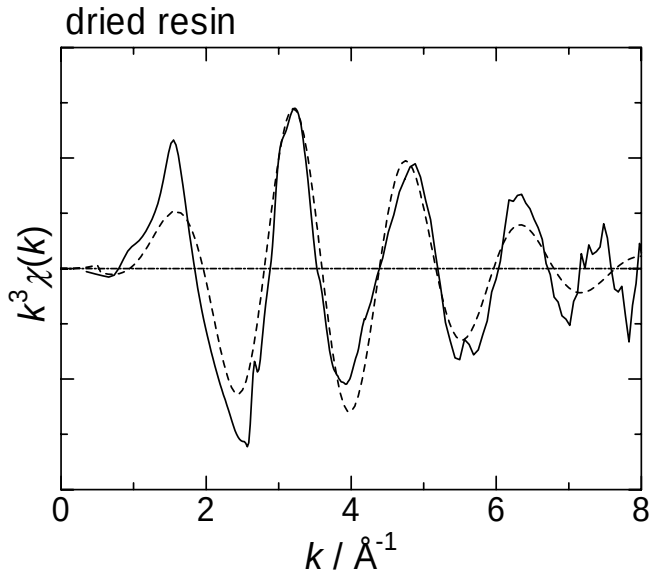

Fig.E2 XAFS spectrum for K^+ in the dried resin. Solid curve, experimental spectrum. Broken curve, fitting with parameters listed in Table 1.

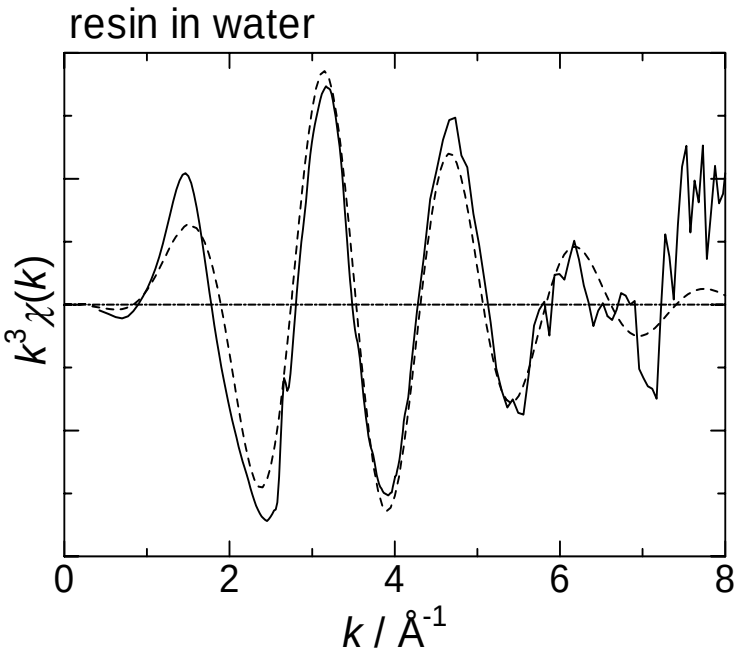

Fig.E3 XAFS spectrum for K^+ in the hydrated resin. Solid curve, experimental spectrum. Broken curve, fitting with parameters listed in Table 1.

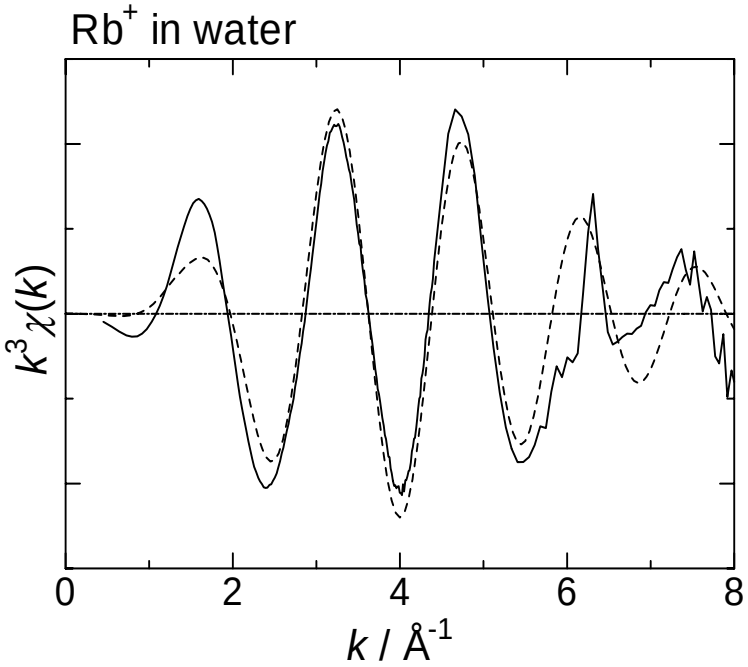

Fig.E4 XAFS spectrum for hydrated Rb^+. Solid curve, experimental spectrum. Broken curve, fitting with parameters listed in Table 1.

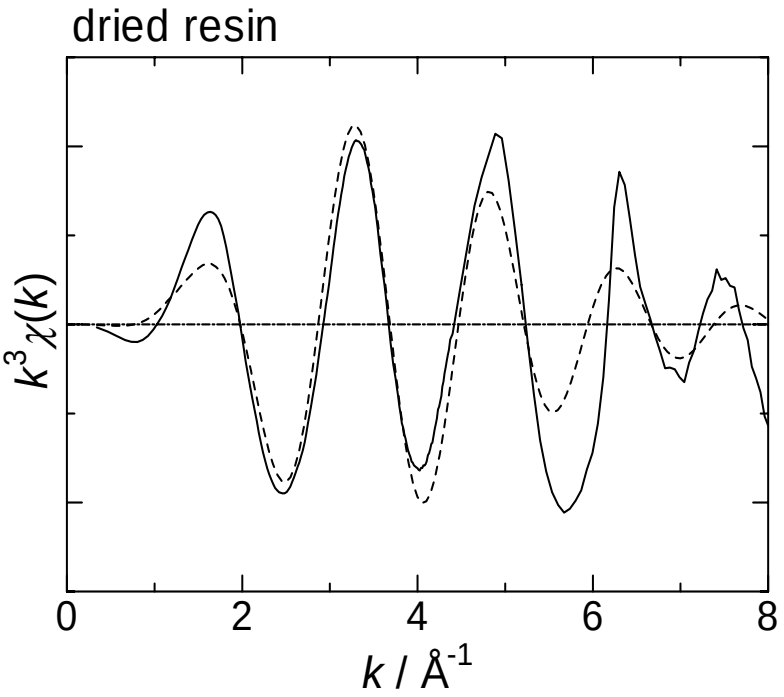

Fig.E5 XAFS spectrum for Rb^+ in the dried resin. Solid curve, experimental spectrum. Broken curve, fitting with parameters listed in Table 1.

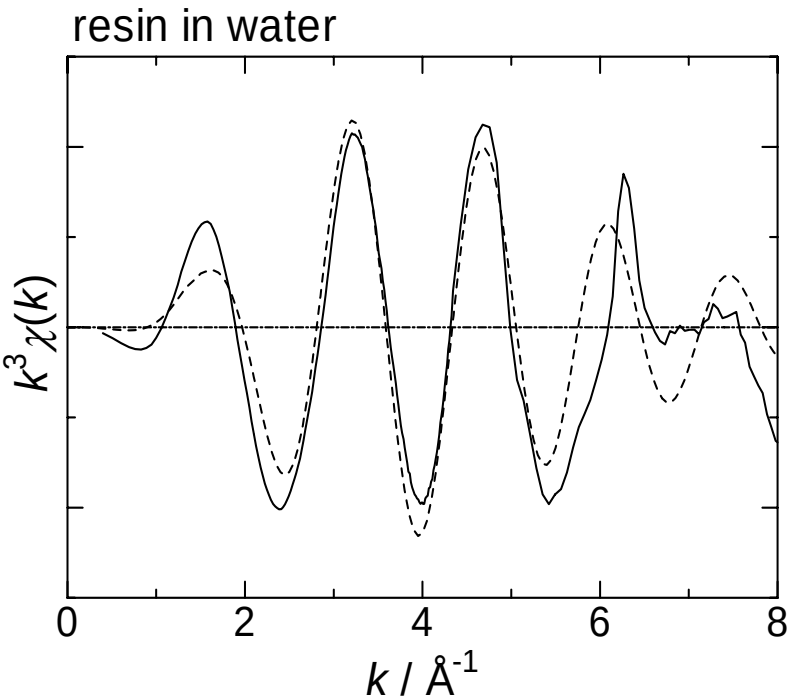

Fig.E6 XAFS spectrum for Rb^+ in the hydrated resin. Solid curve, experimental spectrum. Broken curve, fitting with parameters listed in Table 1.

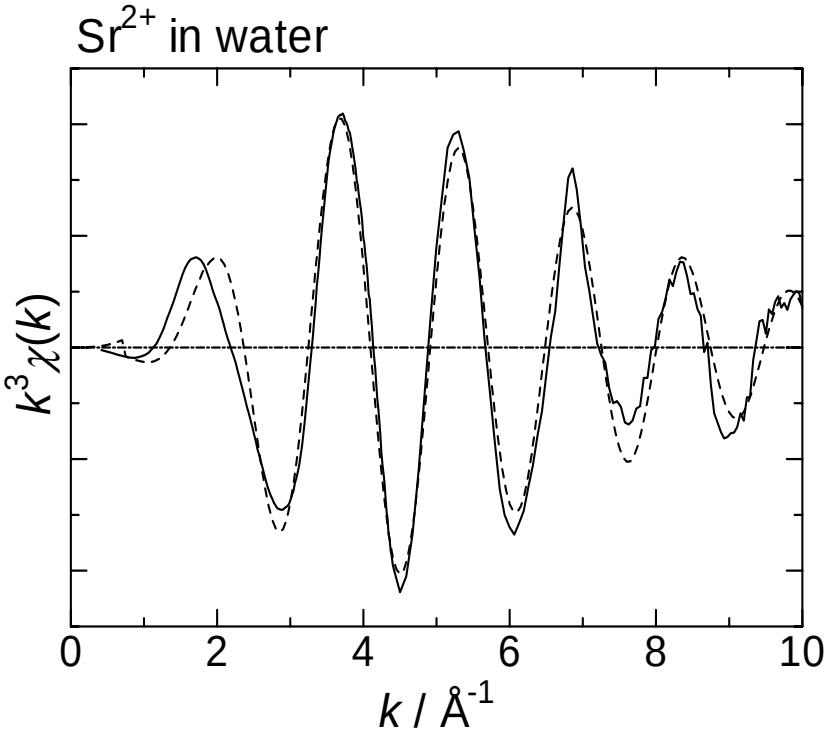

Fig.E7 XAFS spectrum for hydrated Sr^{2+}. Solid curve, experimental spectrum. Broken curve, fitting with parameters listed in Table 1.

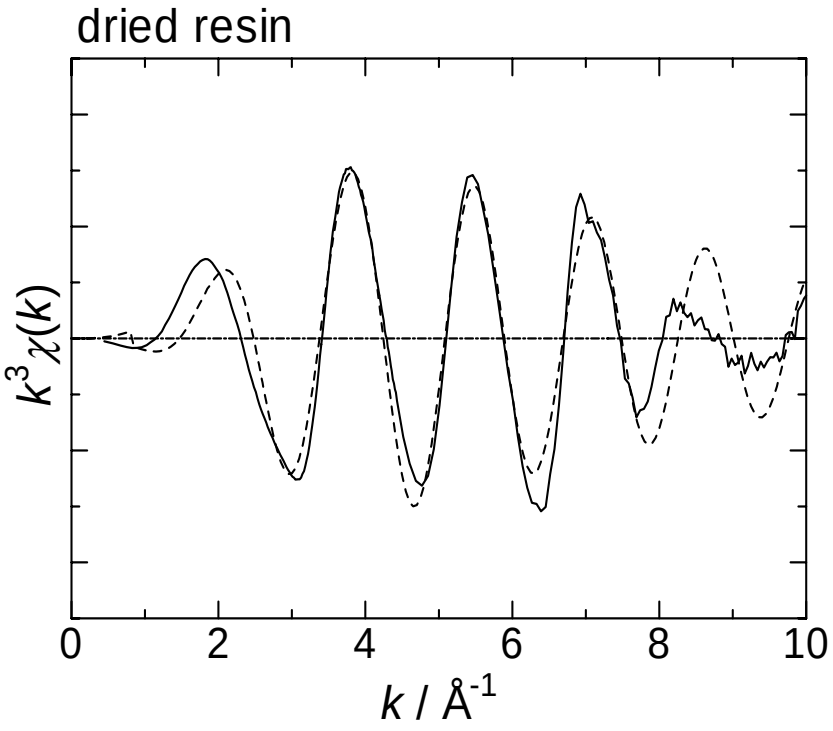

Fig.E8 XAFS spectrum for Sr^{2+} in the dried resin. Solid curve, experimental spectrum. Broken curve, fitting with parameters listed in Table 1.

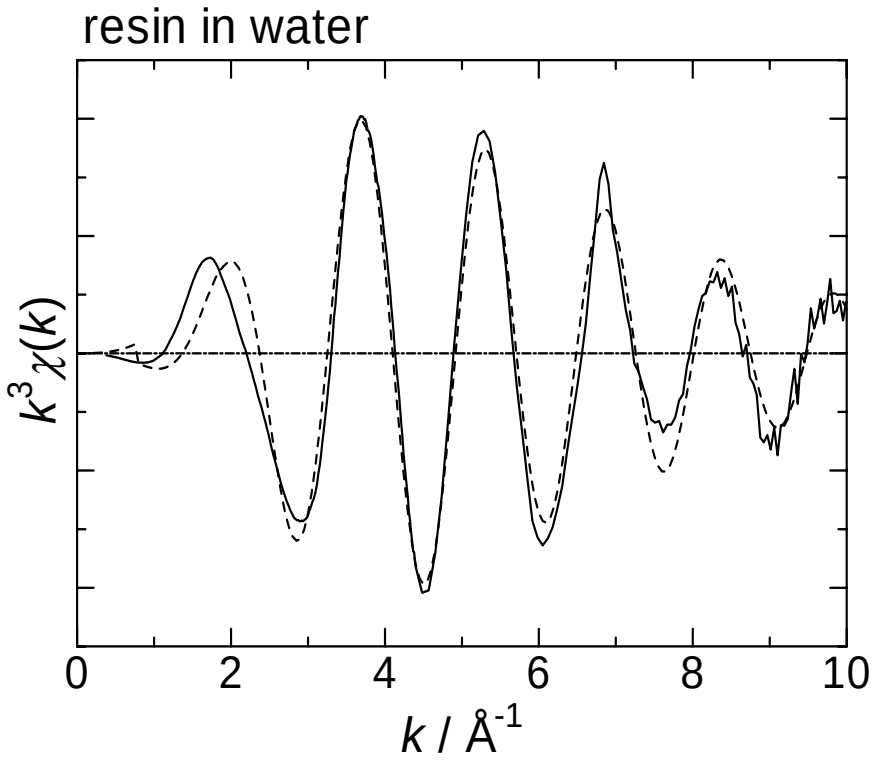

Fig.E9 XAFS spectrum for Sr^{2+} in the hydrated resin. Solid curve, experimental spectrum. Broken curve, fitting with parameters listed in Table 1.

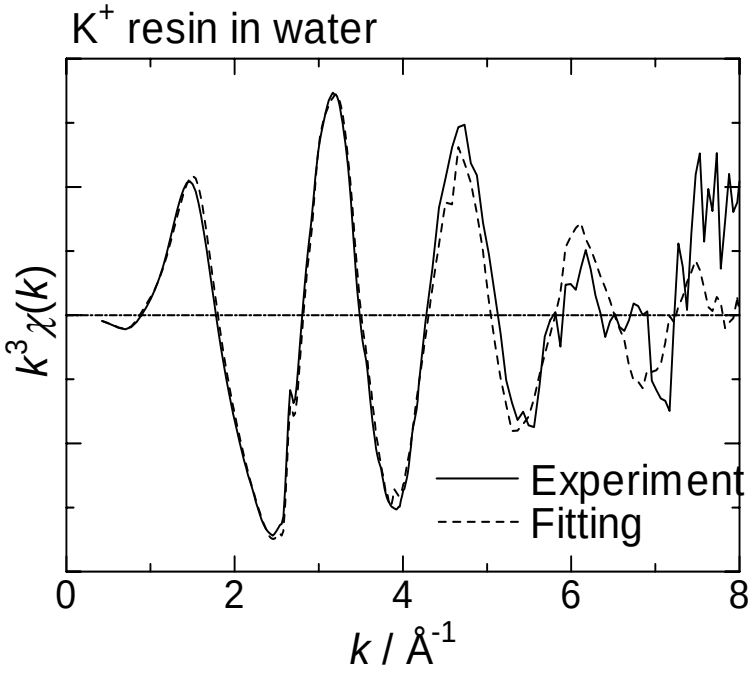

Fig.E10 Fitting with an equation, , $\chi = \alpha_1\chi_1 + \alpha_2\chi_2$, for K^+ in the hydrated resin.