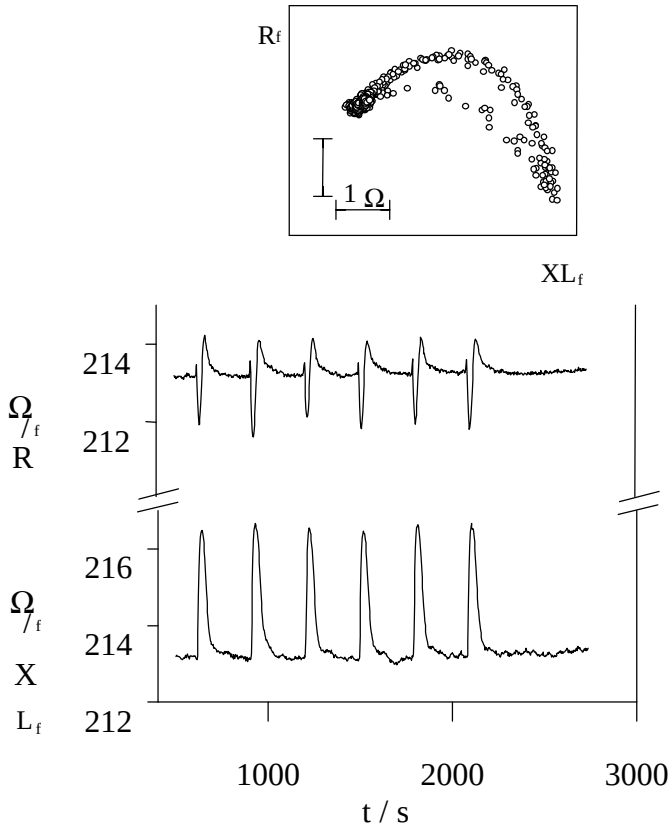
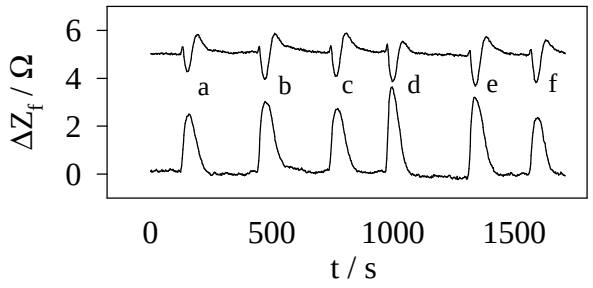
SUPPORTING INFORMATION

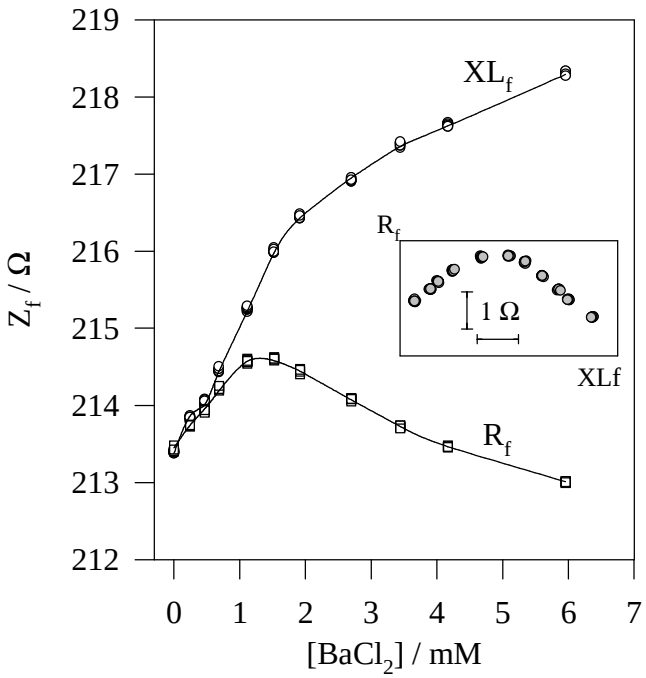
QCM impedance components R_f and XL_f for 6 injections of 50 μL of KCl 0.3M showing excellent repeteability. Inset: parametric plot of R_f vs. XL_f, [KCl] is the parameter and increases clockwise. Note that all the injections lay on the same parametric curve, showing a strong hysteresis.



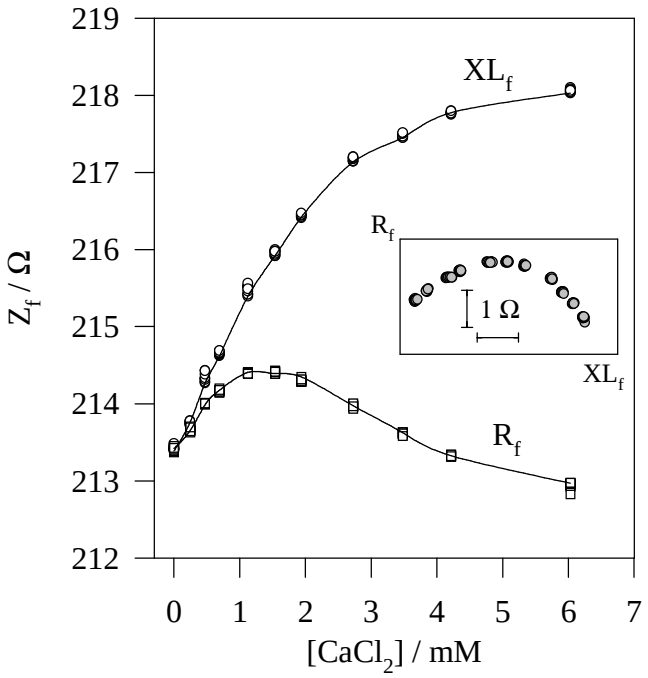
Variation of R_f and XL_f for injections of NaCl solutions buffered at different pH. The solutions were injected directly in the flow system. The gold electrode was previously derivatized with aminoethanethiol. a) pH=6.4, b) pH=5.0, c) pH=6.1, d) pH=9.2, e) pH=3.7, f) pH=6.4. pH was measured close to the QCM cell. Note that the XL_f variation (open circle diameter) is greater for higher pH.



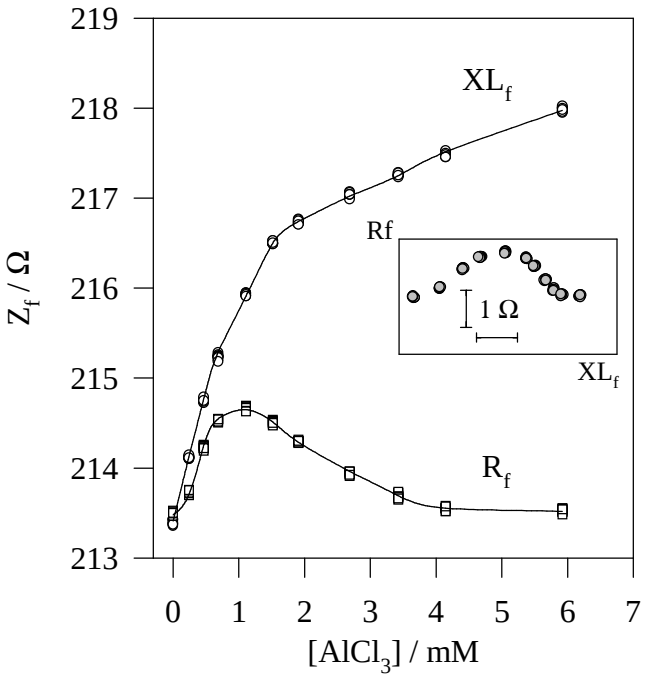
QCM impedance components
R_f and XL_f vs. $BaCl_2$ concentration.
Inset: parametric plot of R_f vs. XL_f,
[$BaCl_2$] is the parameter and increases clockwise.



QCM impedance components
R_f and XL_f vs. $CaCl_2$ concentration.
Inset: parametric plot of R_f vs. XL_f,
$[CaCl_2]$ is the parameter and increases clockwise.



QCM impedance components
R_f and XL_f vs. $AlCl_3$ concentration.
Inset: parametric plot of R_f vs. XL_f,
[$AlCl_3$] is the parameter and increases clockwise.



QCM impedance components
R_f and XL_f vs. $ZnSO_4$ concentration.
Inset: parametric plot of R_f vs. XL_f,
[$ZnSO_4$] is the parameter and increases clockwise.