**Supporting Documents**



**Fig. 1S.** Bode plots (a) impedance of the interface and (b) degree of phase angle obtained for (1) sample 1, (2) sample 2, and (3) sample 3 from the extrudate after 1h immersion in 3.5% NaCl solution.



**Fig. 2S.** Bode plots (a) impedance of the interface and (b) degree of phase angle obtained for (1) sample 1, (2) sample 2, and (3) sample 3 from the extrudate after 12 h immersion in 3.5% NaCl solution.



**Fig. 3S.** Bode plots (a) impedance of the interface and (b) degree of phase angle obtained for (1) sample 1, (2) sample 2, and (3) sample 3 from the extrudate after 24 h immersion in 3.5% NaCl solution.