

Supplementary data

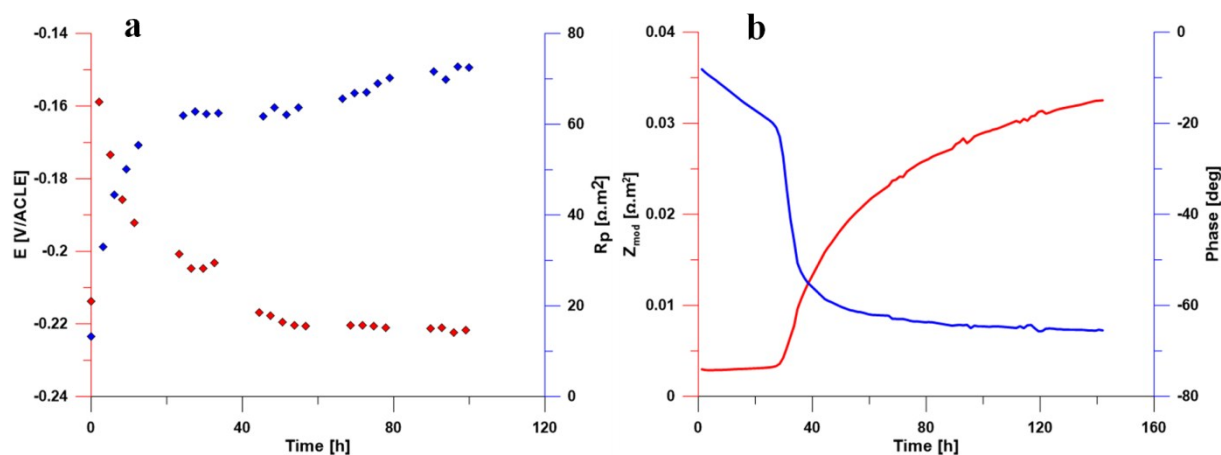


Figure S1. Time dependency of open circuit potential and polarization resistance (a) and electrochemical impedance spectroscopy at frequency 2 kHz for the specimen with ground surface (b).

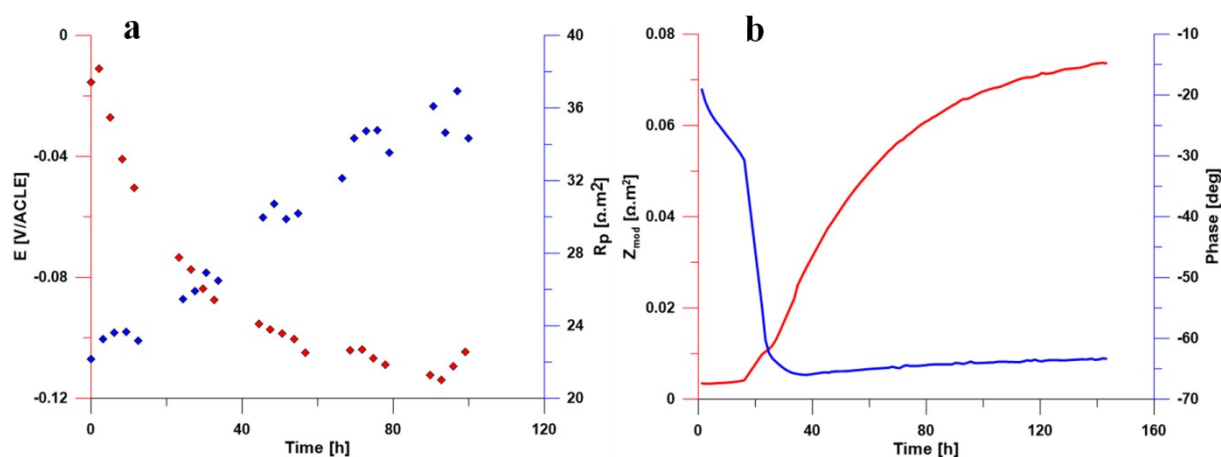


Figure S2. Time dependency of open circuit potential and polarization resistance (a) and electrochemical impedance spectroscopy at frequency 2 kHz for the specimen with nanostructured surface (b).

Table S1. List of analysed genes with their codes and catalogue numbers.

Gene name	Code	Catalogue Nr.
<i>EEF-1</i>	Hs00265885_g1	4331182
<i>COL1A2</i>	Hs01028969_m1	4331182
<i>IBSP</i>	Hs00913377_m1	4331182
<i>OCN</i>	Hs01587814_g1	4331182
<i>RUNX2</i>	Hs00231692_m1	4331182

*COL1A2-collagen type I alpha 2 chain, EEF-1- eukaryotic translation elongation factor 1 alpha 1, IBSP- integrin binding sialoprotein, OCN-osteocalcin, RUNX2-runt related transcription factor 2

