

Use of organic acids as additives for PEO of titanium

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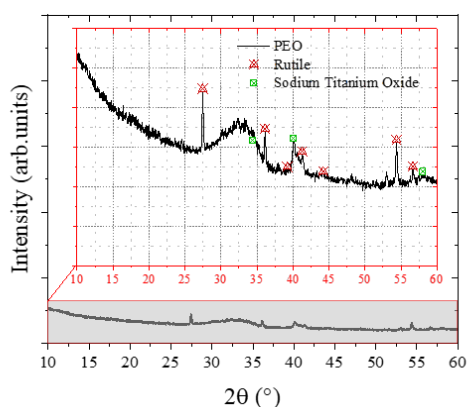


Figure S1. XRD diffractogram of PEO oxide produced in absence of organic acids.

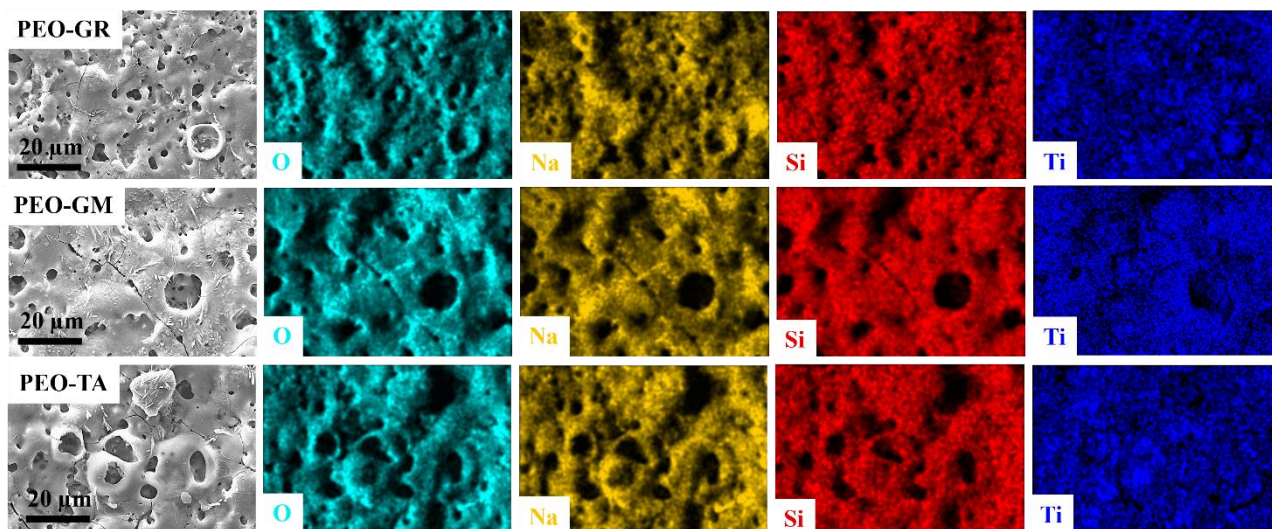


Figure S2. EDS maps of the surface of PEO coatings where the color code is oxygen in turquoise, sodium in orange, silicon in red, and titanium in blue.

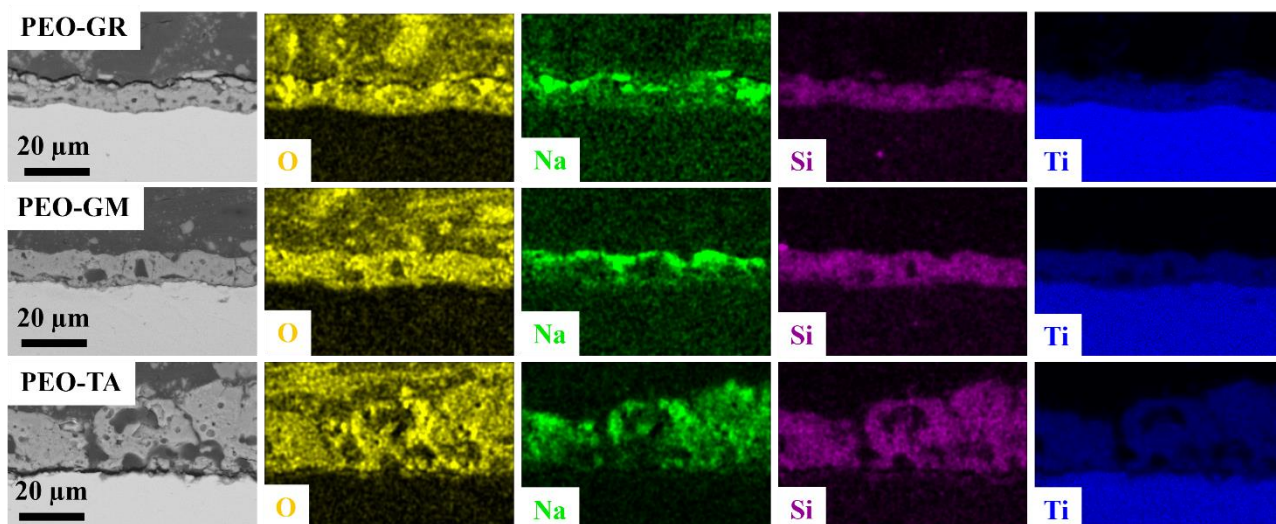


Figure S3. EDS maps of the cross-section of PEO coatings where the color code is oxygen in yellow, sodium in green, silicon in pink, and titanium in blue.

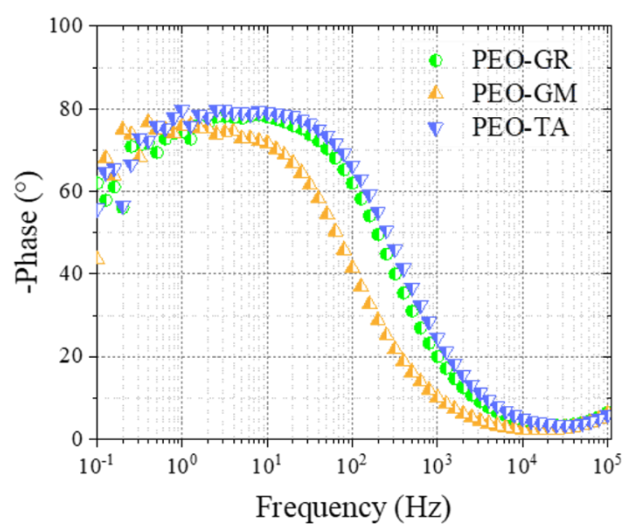


Figure S4. Phase diagrams of Ti samples immersed in the electrolytic solution used for producing PEO-GR, PEO-GM, and PEO-TA.