

Supporting Information

Low Cycles Pulsed Chemical Vapor Deposition of Polycrystalline Anatase TiO₂

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July 2020

Submitted to: *Nano Express*

Coated and uncoated samples with polycrystalline anatase TiO₂ composition was analyzed by X-ray energy dispersive spectroscopy (XEDS) within the Zeiss Supra 35 microscope. These spectra were collected using an accelerating voltage of 15 keV and were collected over a span of 300 live seconds with at 3500 count per second.

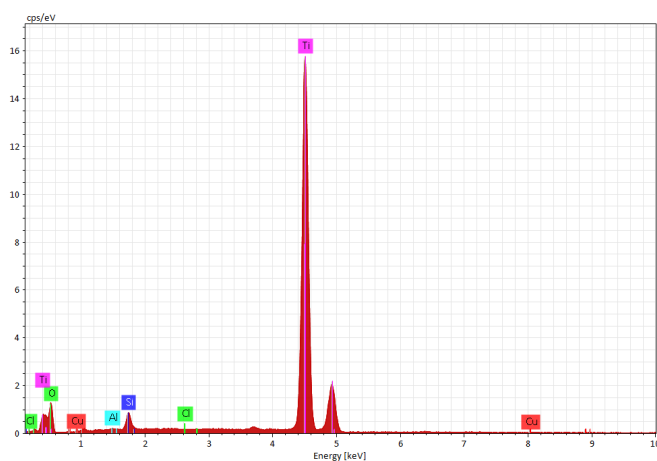


Figure 1. XEDS spectrum collected from the sandblasted titanium substrate.

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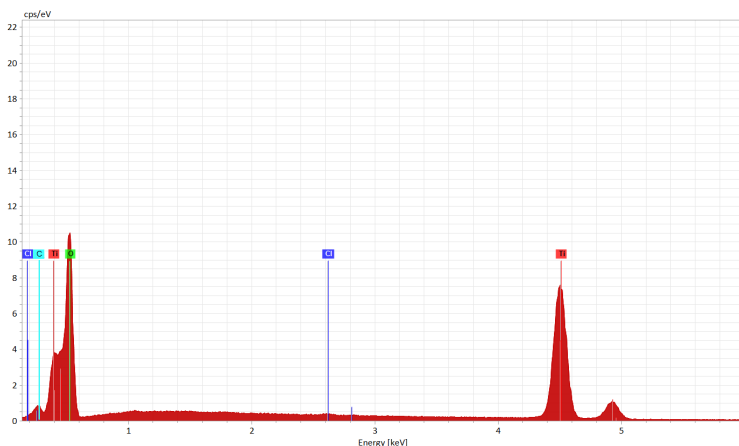


Figure 2. XEDS spectrum collected from the 30 cycle polycrystalline TiO_2 .

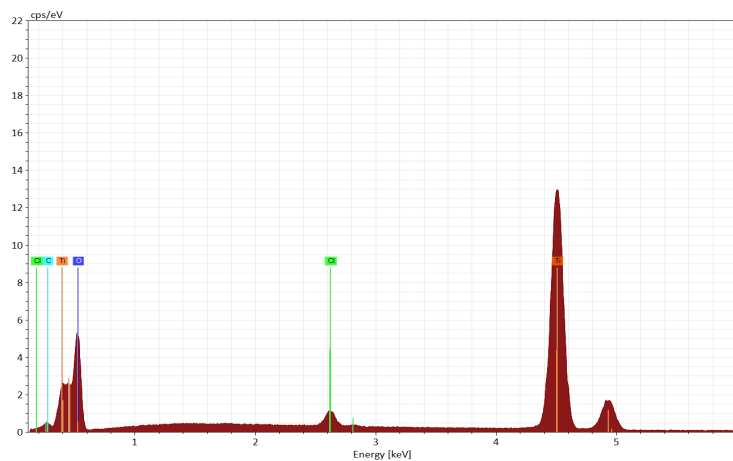


Figure 3. XEDS spectrum collected from the 60 cycle polycrystalline TiO_2 .

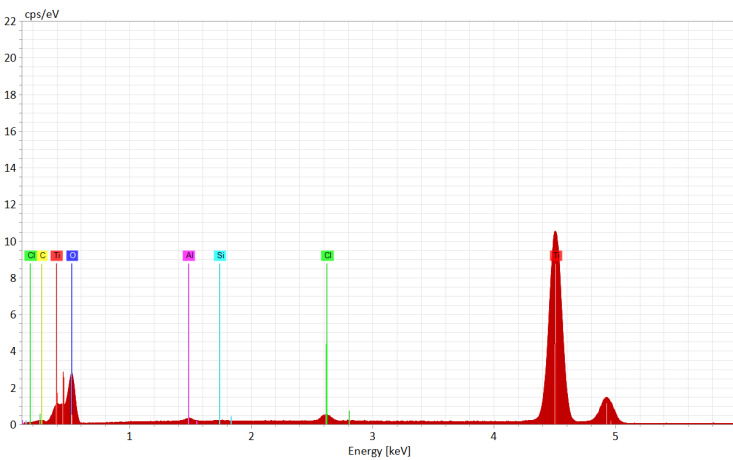


Figure 4. XEDS spectrum collected from the Al substrate coated with 60 cycle polycrystalline TiO_2 .