# Understanding Ionomer Oxidation for Pure Water Anion Exchange Membrane Water Electrolyzer Performance and Durability.

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Dr. Albert Sung Soo Lee is a Korean-American materials scientist, born and educated in the United States, graduating from UC Berkeley with a major in chemistry from the College of Chemistry. Afterwards, Dr. Lee pursued his Ph.D. at UST-KIST in Materials Science and Engineering. Trained in organic chemistry, silicon chemistry, and polymer chemistry, Dr. Lee sought out applied research in functional membranes, landing a Director's Fellowship Postdoc award at Los Alamos National Lab, where his efforts in utilizing ion-exchange membranes and ionomers for fuel cells and AEMWE resulted in high impact papers such as *Nature Materials* and *Nature Energy*. Dr. Lee's current research interests lie in developing polymeric materials for energy applications and is currently investigating polymeric and electrocatalytic materials for high temperature polymer electrolyte membrane fuel cells and anion exchange membrane water electrolyzers.