

## Electrochemical characterization of Anatase- and Rutile-TiO<sub>2</sub> for Dye-sensitized Solar Cells

구웬더빈, 최대진, 양오봉\*  
전북대학교

(obyang@moak.chonbuk.ac.kr\*)

An elucidation of electrochemical properties of anatase- and rutile-TiO<sub>2</sub> was studied by using photoresponse and AC impedance measurement. Accordingly, a reciprocal relationship between the photoelectrochemical property of TiO<sub>2</sub> substrate and the performance of dye-sensitized solar cells in terms of energy conversion efficiency and stability was established. Such the relationship was found to be well consistent with AC impedance characterization.