**Efficient Water Splitting Cascade Photoanodes based on BiVO4**

*Ho Won JangA*

ADepartment of Materials Science and Engineering, Seoul National University, Seoul, Korea

Bismuth vanadate (BiVO4) is regarded as a viable material for water oxidation due to various benefits such as visible light absorption, low production cost, and resistance to photocorrosion. Recently, numerous attempts have been adopted to improve the performance of BiVO4. In this presentation, we highlight the important strategies that have been made for improving the performance of the photoanode material, such as fabricating nanostructured electrode, controlling reacting facet, stacking with other materials, utilizing plasmonics, loading co-catalyst, and controlling the interfacial band bending with ferroelectrics. Taking advantage of the strategies, highly efficient BiVO4 photoelectrodes could be demonstrated. Finally, we discuss the perspective of BiVO4-based photoanodes.