
Poster Presentation

[FMCp5]Materials &Components

Thu. Nov 28, 2019 2:30 PM - 5:00 PM Main Hall (1F)

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[FMCp5-7L]Investigation of solution-processed α -Fe₂O₃ / ZnO multilayer for photoelectrode

*Jeongsoo Hong¹, Kyung Hwan Kim¹, You Seung Rim², Nobuhiro Matsushita³ (1. Gachon university (Korea), 2. Sejong University (Korea), 3. Tokyo Institute of Technology (Japan))

Keywords:Spin-spray, ZnO, α -Fe₂O₃

α -Fe₂O₃ / ZnO multilayer films fabricated by using spin-spray method and properties of each layer and α -Fe₂O₃ / ZnO film were investigated. First, as-deposited ZnO layer on glass substrate exhibited high transmittance of above 80 % in visible range and a low resistivity. The formation of α -Fe₂O₃ layer on glass substrate was confirmed by XRD. This α -Fe₂O₃ layer was successively deposited on ZnO layer and it was confirmed that α -Fe₂O₃ / ZnO double layered films could be fabricated by aqueous solution process.