

# Advanced Energy Materials and Research

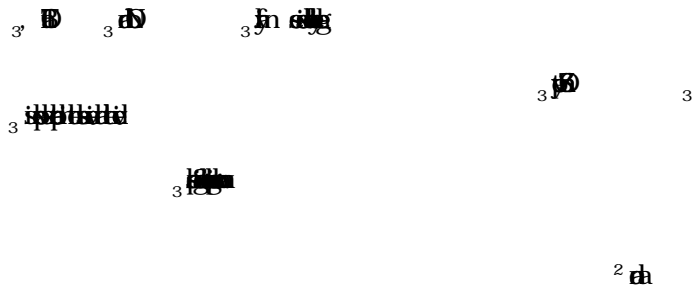
## Photoferroic ( $\text{ZnSnO}_3$ ) for photovoltaic applications

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**I**nterfacial charge transfer between photoferroic  $\text{ZnSnO}_3$  and photoconductive  $\text{TiO}_2$  is studied. The photoferroic  $\text{ZnSnO}_3$  is synthesized by the sol-gel method. The photoconductive  $\text{TiO}_2$  is synthesized by the sol-gel method. The photoferroic  $\text{ZnSnO}_3$  and photoconductive  $\text{TiO}_2$  are deposited on the substrate by the spin coating method. The photoferroic  $\text{ZnSnO}_3$  and photoconductive  $\text{TiO}_2$  are characterized by XRD, SEM, EDX, FTIR, UV-Vis, PL, and PRA. The photoferroic  $\text{ZnSnO}_3$  and photoconductive  $\text{TiO}_2$  are used as the photoferroic  $\text{ZnSnO}_3$  and photoconductive  $\text{TiO}_2$  in the photoferroic  $\text{ZnSnO}_3$  and photoconductive  $\text{TiO}_2$  device. The photoferroic  $\text{ZnSnO}_3$  and photoconductive  $\text{TiO}_2$  device is used as the photoferroic  $\text{ZnSnO}_3$  and photoconductive  $\text{TiO}_2$  device in the photoferroic  $\text{ZnSnO}_3$  and photoconductive  $\text{TiO}_2$  device.



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