Near-infrared downshifting luminescence of Ca2LaTaO6:Nd3+/Yb3+/K+

phosphor and their application: solar cell and anti-counterfeiting

School of electrical and computer engineering, Jilin jianzhu university, Changchun 130118, China E-mail:<u>zhangyuhong@jlju.edu.cn</u>

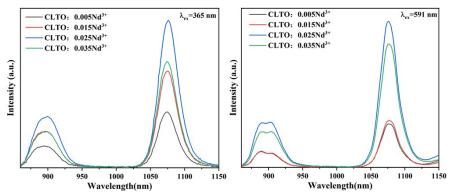
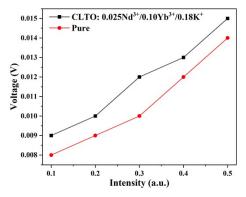


Fig.S1 PL spectra of CLTO:xNd³⁺ sample(x=0.005,0.015,0.025,0.035) (a) under 365 nm excitation;(b) under 591 nm excitation.



FS2. Optical-voltage curve of the solar panel with and without CLTO:Nd³⁺/Yb³⁺/K⁺ phosphor