

**Unique sandwich design of high-efficiency and heat-conducting phosphor-in-glass film for
high-quality laser-driven white lighting**

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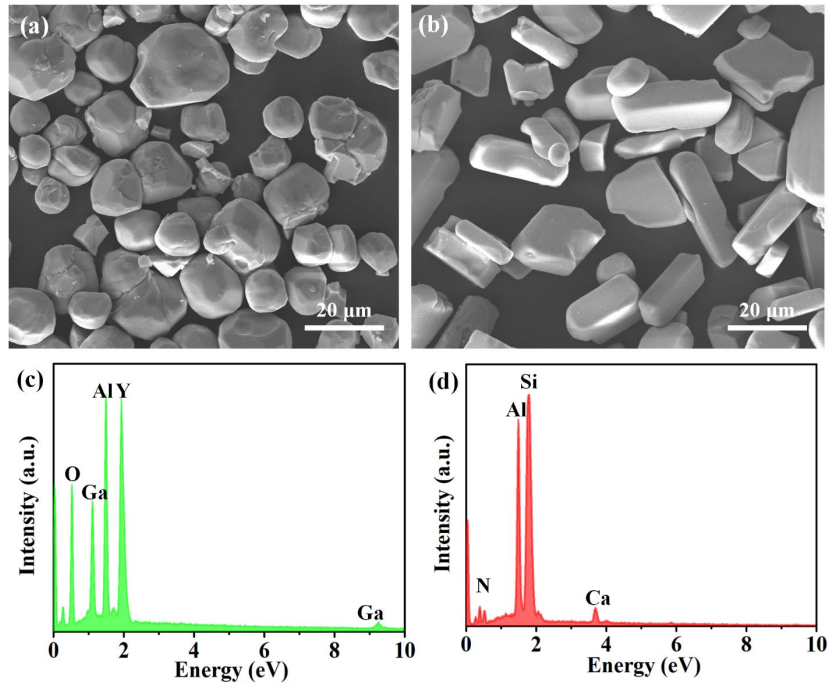


Fig. S1 SEM images and EDS element distributions of (a, c) green-emitting YAGG phosphor particles and (b, d) red-emitting CASN phosphor particles.

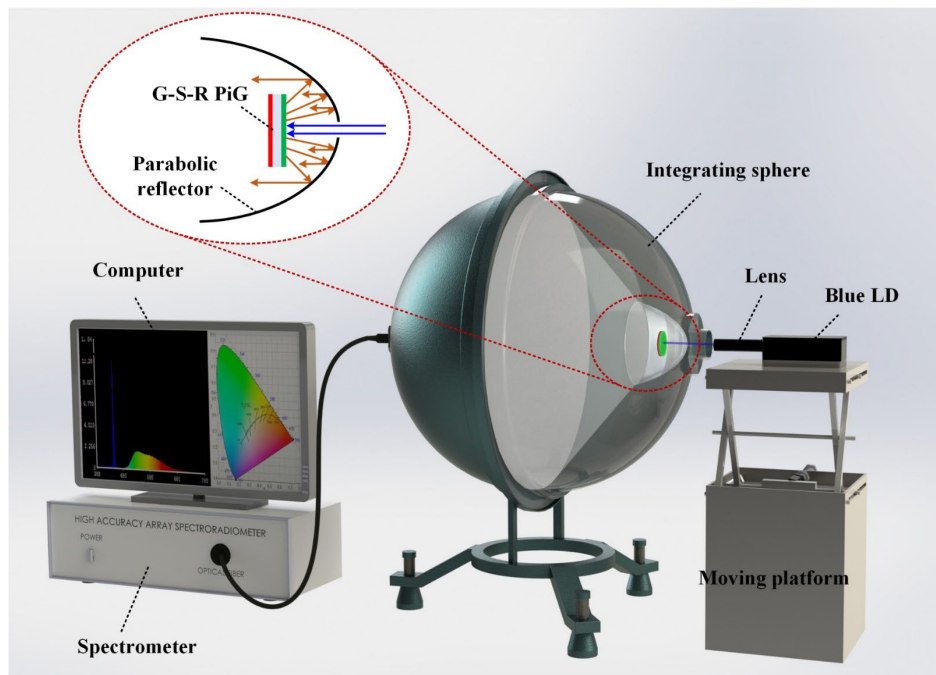


Fig. S2 Schematic illustration of the optical measurement system for PiG-based laser-driven light source.

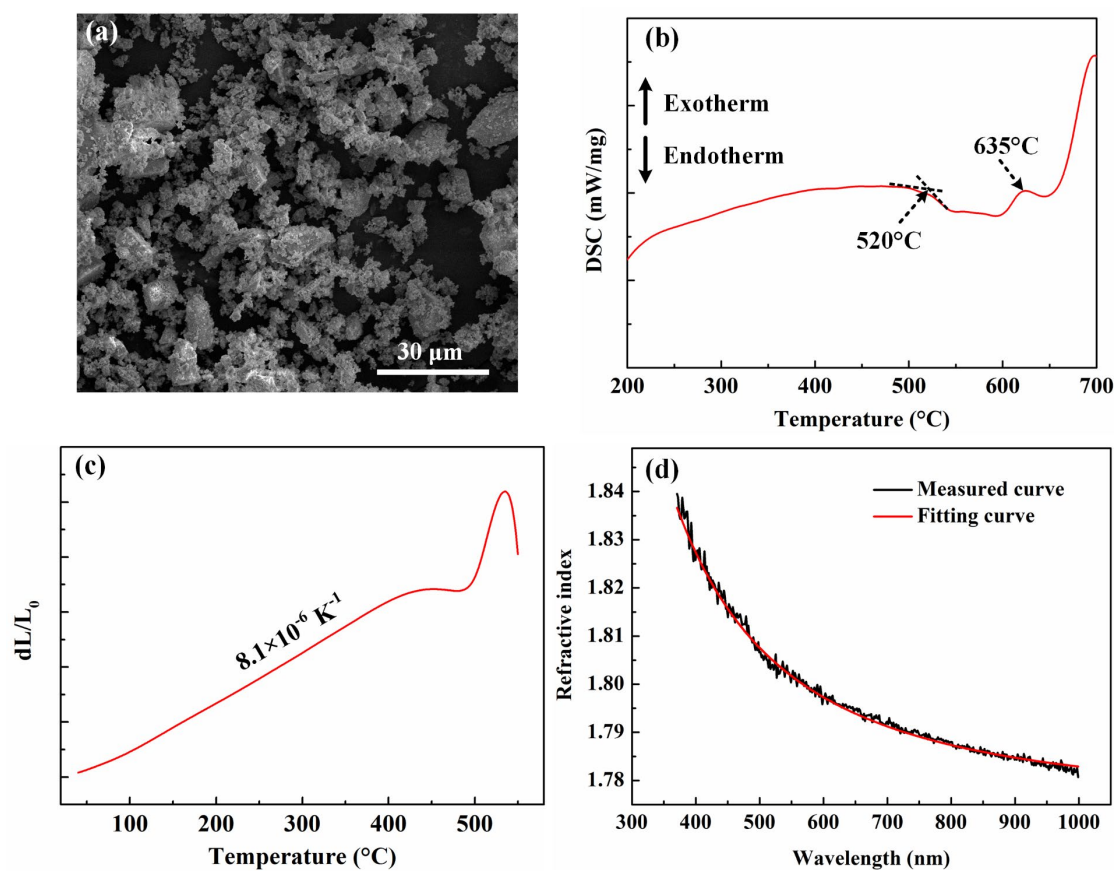


Fig. S3 (a) SEM image, (b) DSC curve, (c) dilatometric curve, and (d) refractive index curve of prepared borosilicate glass powders.

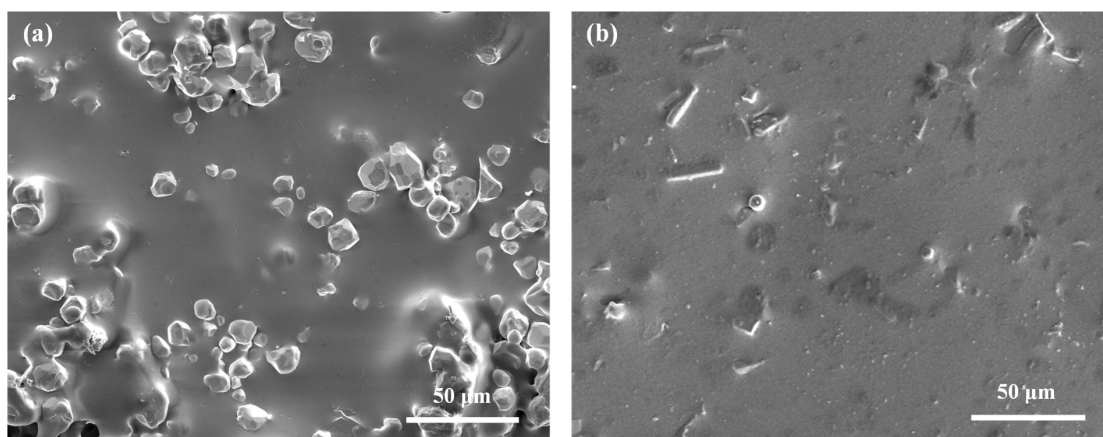


Fig. S4 SEM images of (a) G-PiG and (b) R-PiG film surfaces.