Electronic Supplementary Material (ESI) for Dalton Transactions. This journal is © The Royal Society of Chemistry 2021

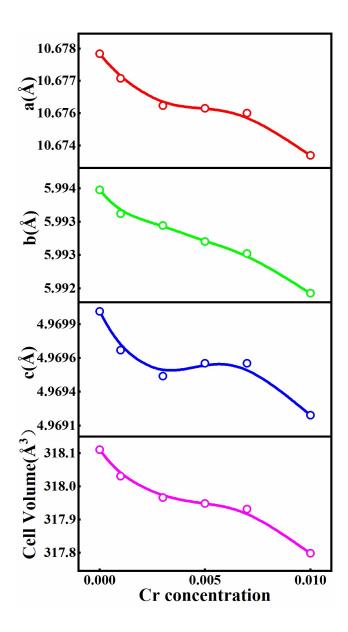


Figure S1. Volume changes of LiO₆, ScO₆, GeO₄.

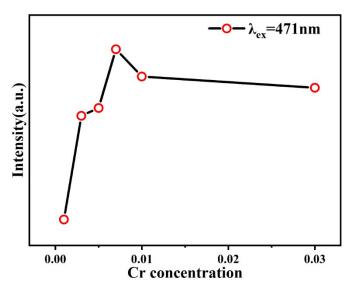


Figure S2. PL maximum intensity of LiScGeO₄:xCr (x=0.001-0.03).

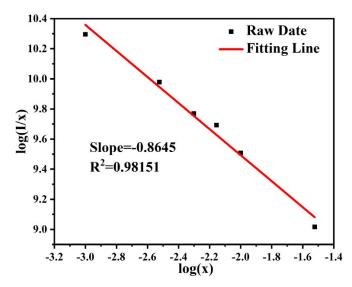


Figure S3. Relationship between log (I / x) and log x.

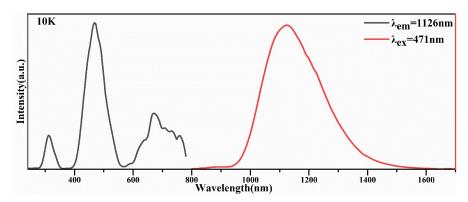


Figure S4. PL and PLE spectra of LiScGeO $_4$:0.007Cr at 10K.

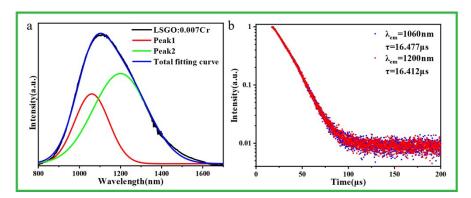


Figure S5. (a) Gaussian fitting of the emission spectrum; (b) Monitoring the decay curves at 1060nm and 1200nm respectively.