

MINIREVIEW

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A high performance UV NLO material should meet comprehensive requirements, which include crystallographic non-centrosymmetry (NCS), wide transparency, large second-order NLO coefficient ($d_{ij} > 0.39 \text{ pm V}^{-1}$), appropriate birefringence ($\Delta n \sim 0.07\text{--}0$

fundamental building units. Although the substitution has to keep the sum of the oxidation states constant, each component is not necessarily equivalent during the replacement procedure. Dual-site substitution is an aliovalent substitution that is utilized commonly to design new

- 14 Z. G. Xia and K. R. Poeppelmeier, *Acc. Chem. Res.*, 2017,