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Supporting Information

Mechanical and optical behaviors: strain synergy effects in high

temperature phase oxide of lead

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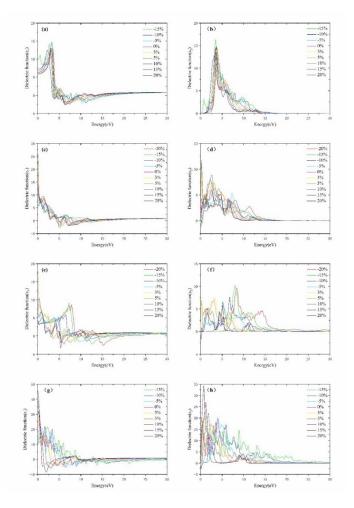


Fig.S1. Real $\varepsilon_1(\omega)$ (a) and imaginary $\varepsilon_2(\omega)$ (b) components of the dielectric function of the α -PbO under strain in the range of -15%-+20%; Real $\varepsilon_1(\omega)$ (c) and imaginary $\varepsilon_2(\omega)$ (d) components of the dielectric function of the α -PbO₂ under strain in the range of -20%-+20%; Real $\varepsilon_1(\omega)$ (e) and imaginary $\varepsilon_2(\omega)$ (f) components of the dielectric function of the β -PbO₂ under strain in the range of -20%-+20%; Real $\varepsilon_1(\omega)$ (g) and imaginary $\varepsilon_2(\omega)$ (h) components of the dielectric function of the CsCl-PbO under strain in the range of -15%-+20%.