

The Lone Pairs Electrons in Post-Transition Metal and Their Contribution to Optical Response

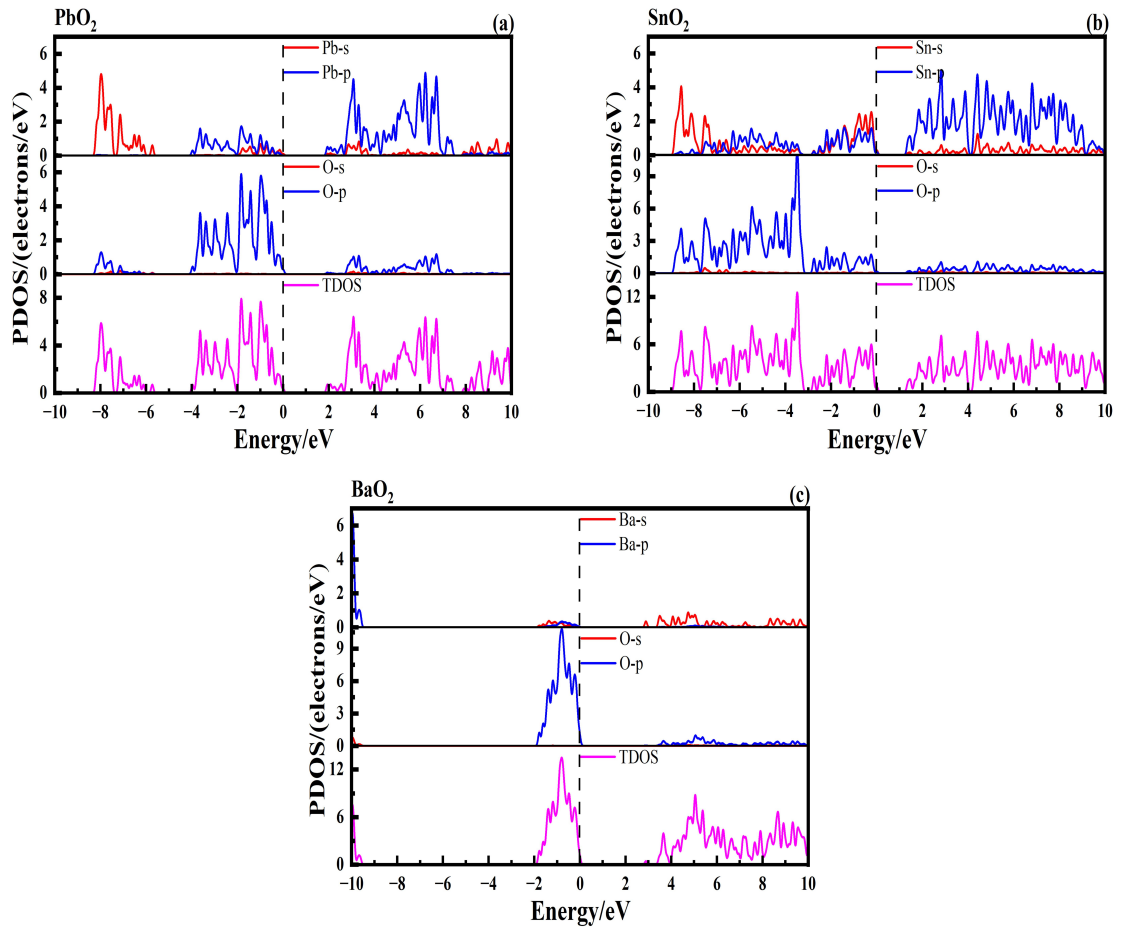


Fig S1 The PDOS of (a~c) MO_2 , M = Pb, Sn, Ba

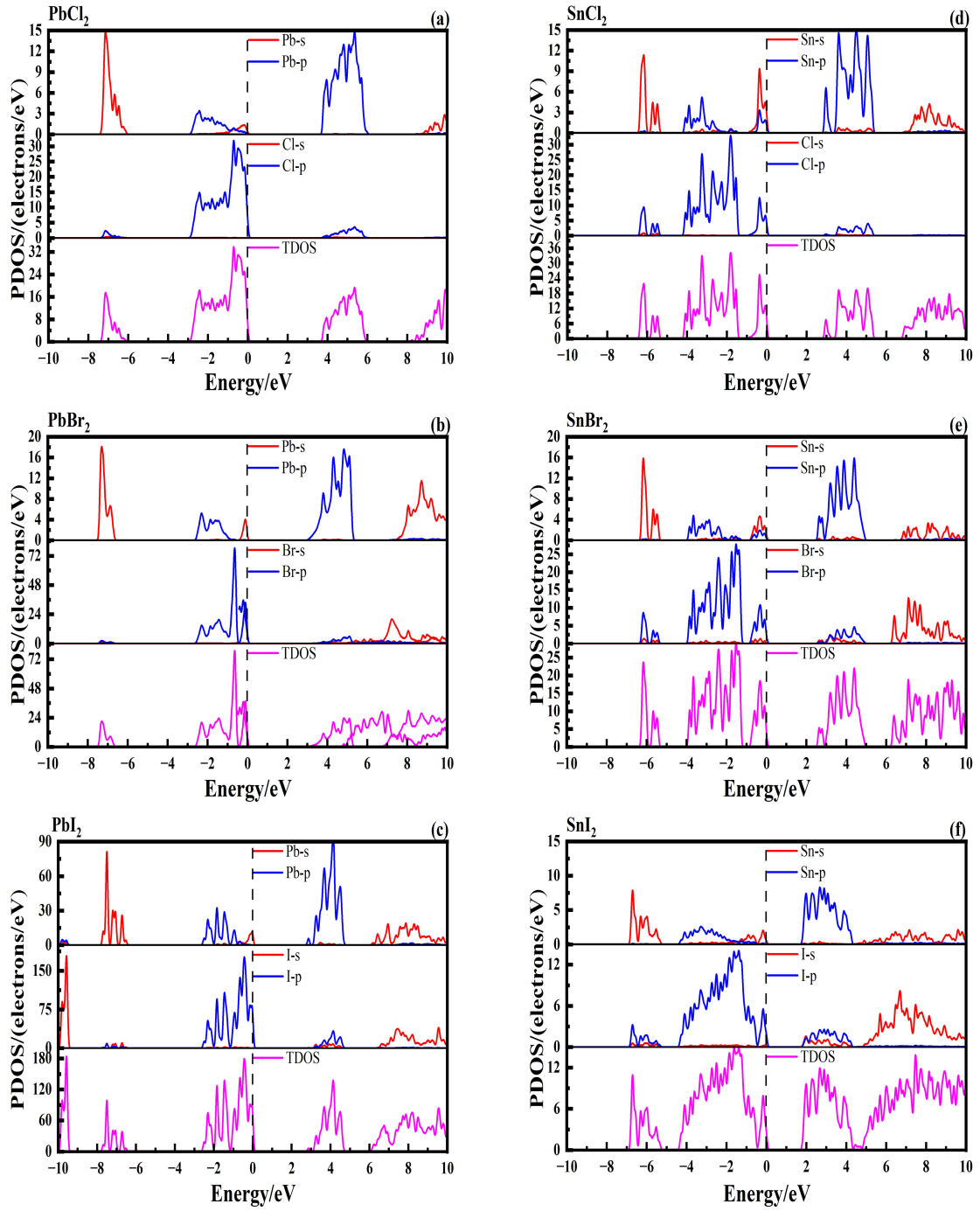


Fig S2 The PDOS of (a~c) PbX_2 and (d~f) SnX_2 , X = Cl, Br, I

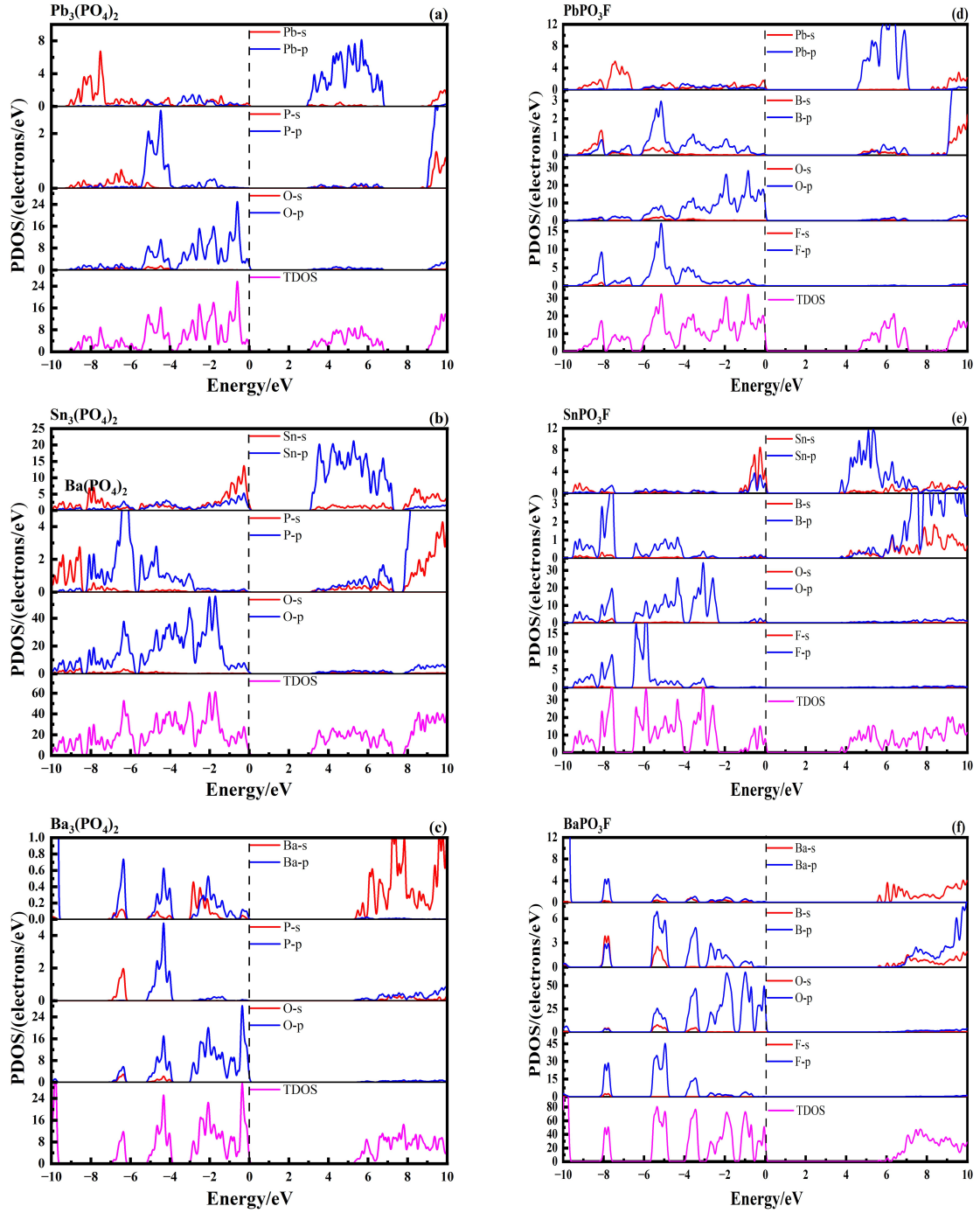


Fig S3 The PDOS of (a~c) $M_3(PO_4)_2$ and (d~f) MPO_3F , $M = Pb, Sn, Ba$

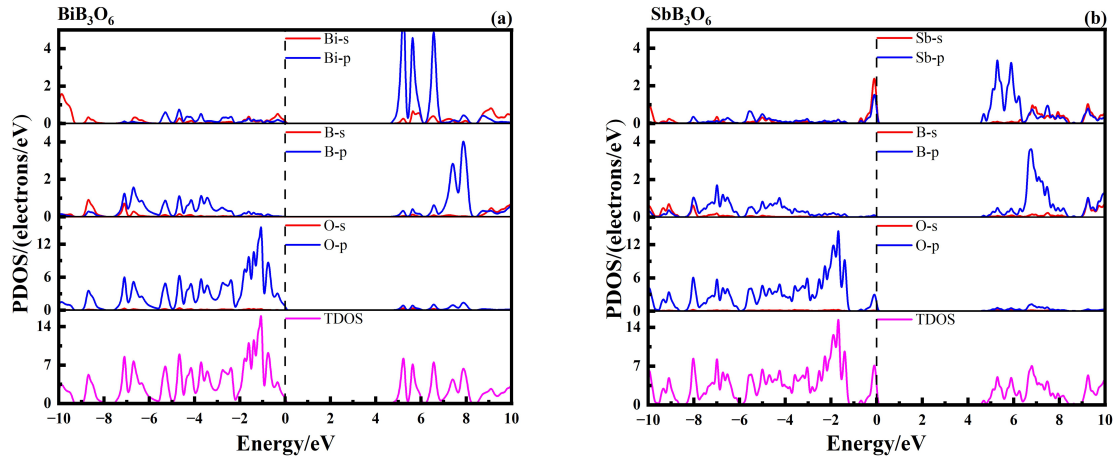


Fig S4 The PDOS of (a, b) AB_3O_6 , A = Bi, Sb

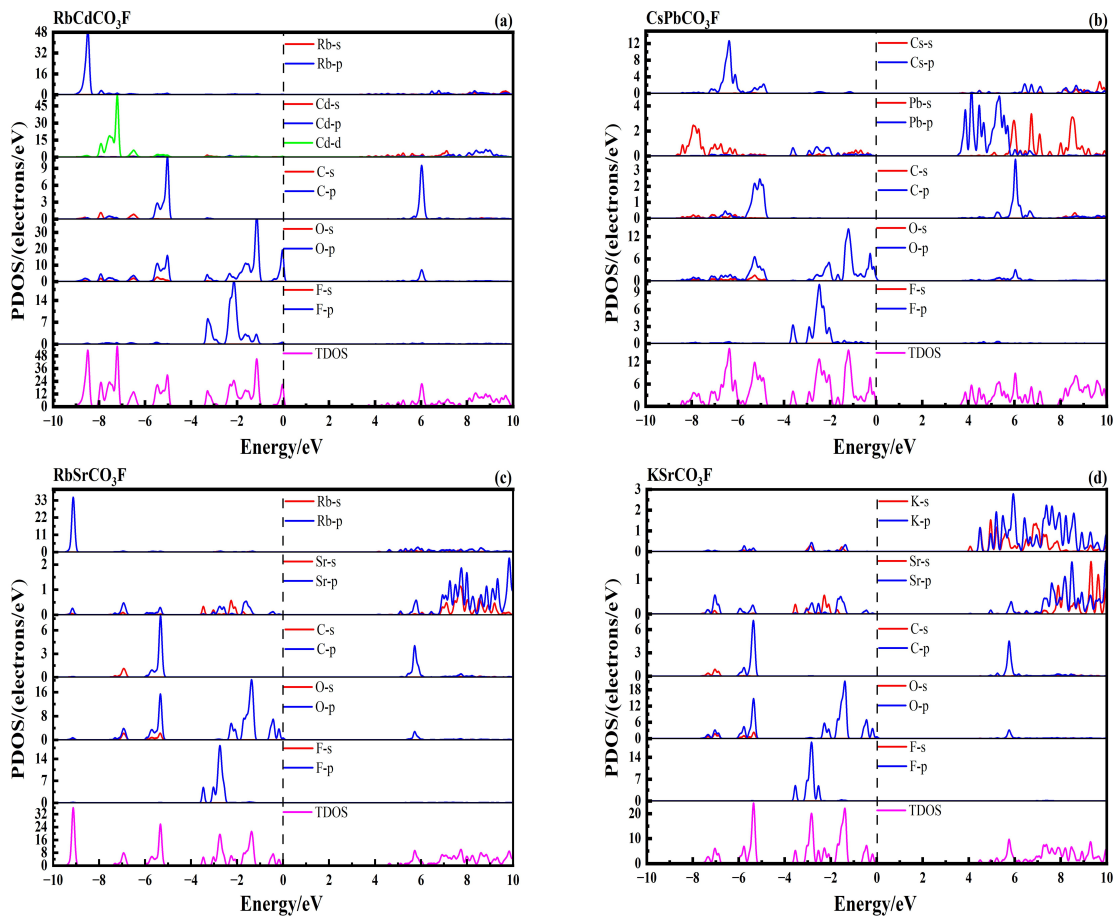


Fig S5 The PDOS of (a) RbCdCO_3F , (b) CsPbCO_3F , (c) RbSrCO_3F and (d) KSrCO_3F

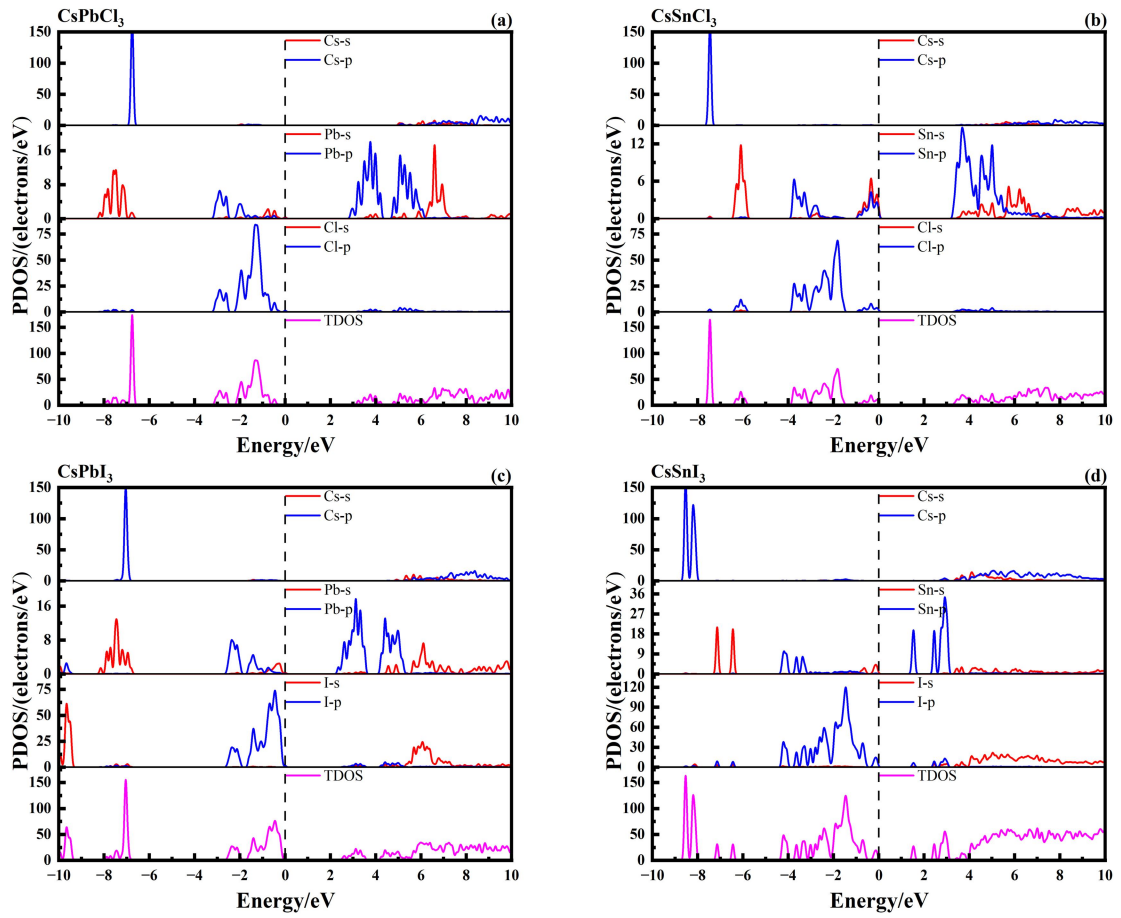


Fig S6 The PDOS of (a) CsPbCl₃, (b) CsSnCl₃, (c) CsPbI₃, and (d) CsSnI₃