

Fig. S1 SEM-EDS spectra: (a) S-WO₃, (b) SWAS50, (c) SWAS100, and (d) SWAS150.

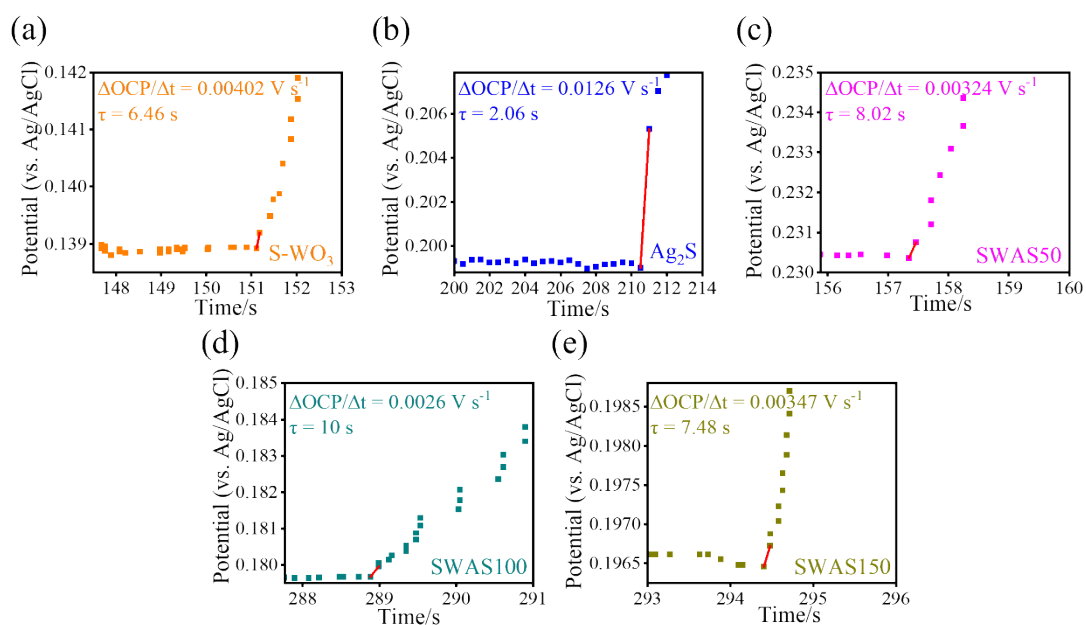


Fig. S2 The carrier lifetime of various samples derived from OCP decay curves at the transient when illumination is removed; (a) S-WO₃, (b) Ag₂S, (c) SWAS50, (d) SWAS100, and (e) SWAS150.