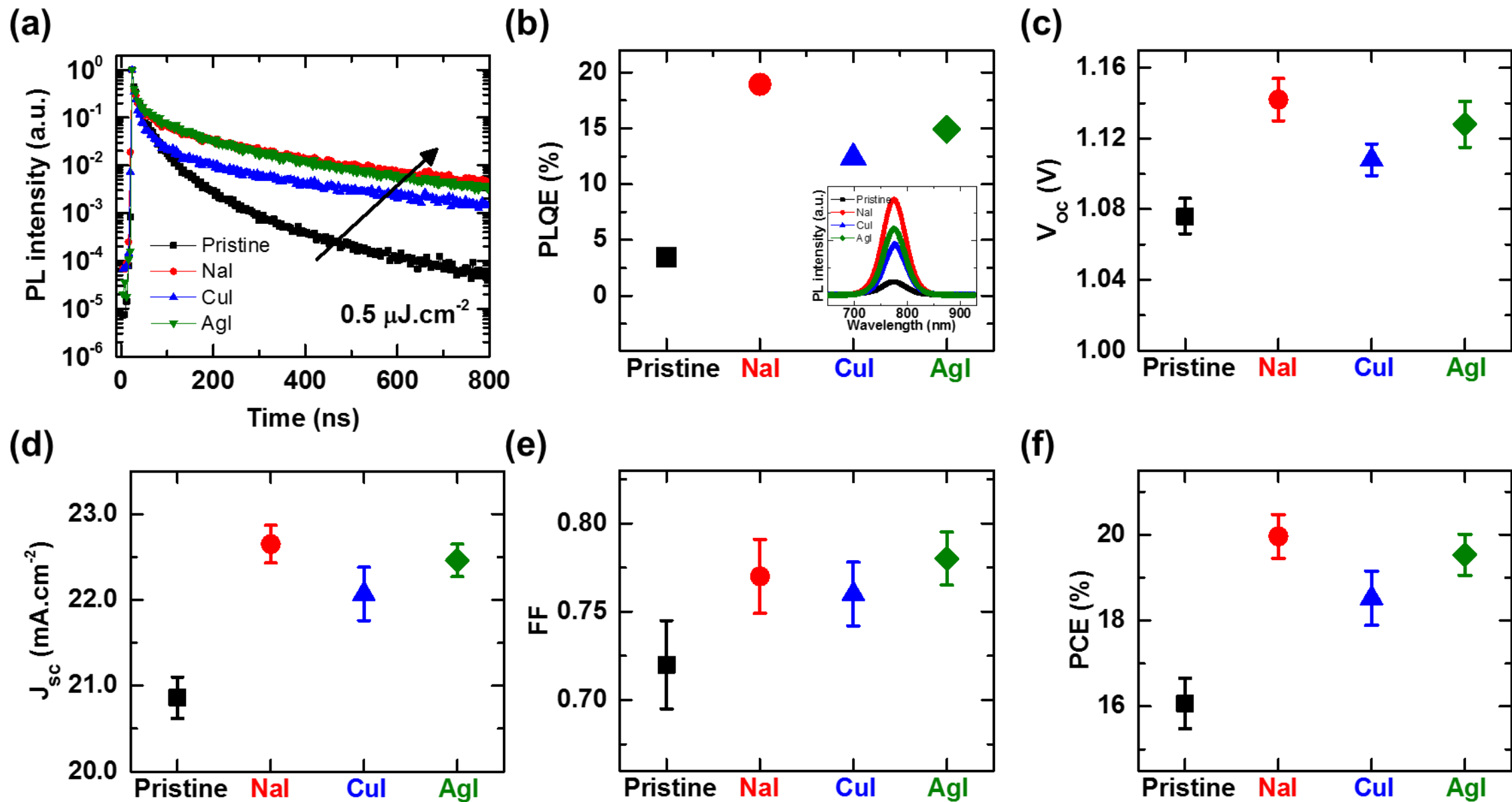
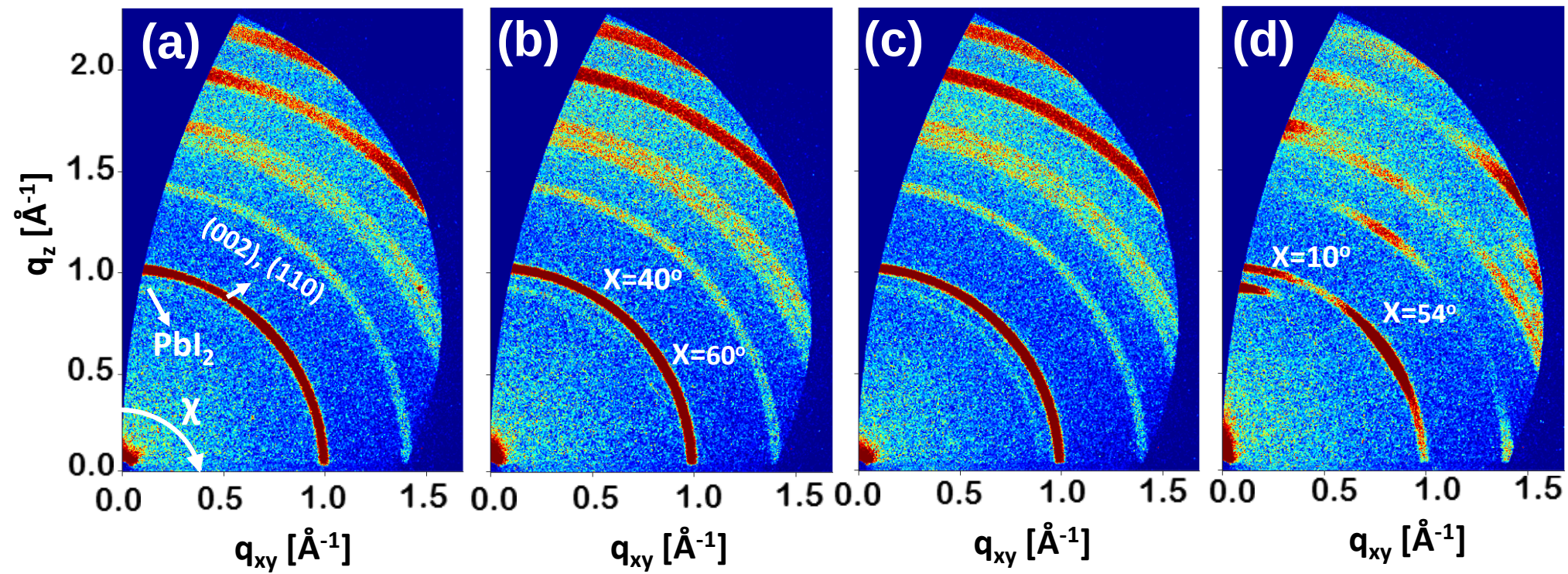
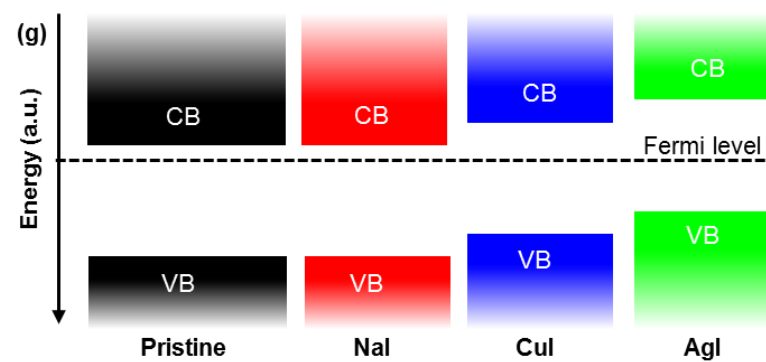
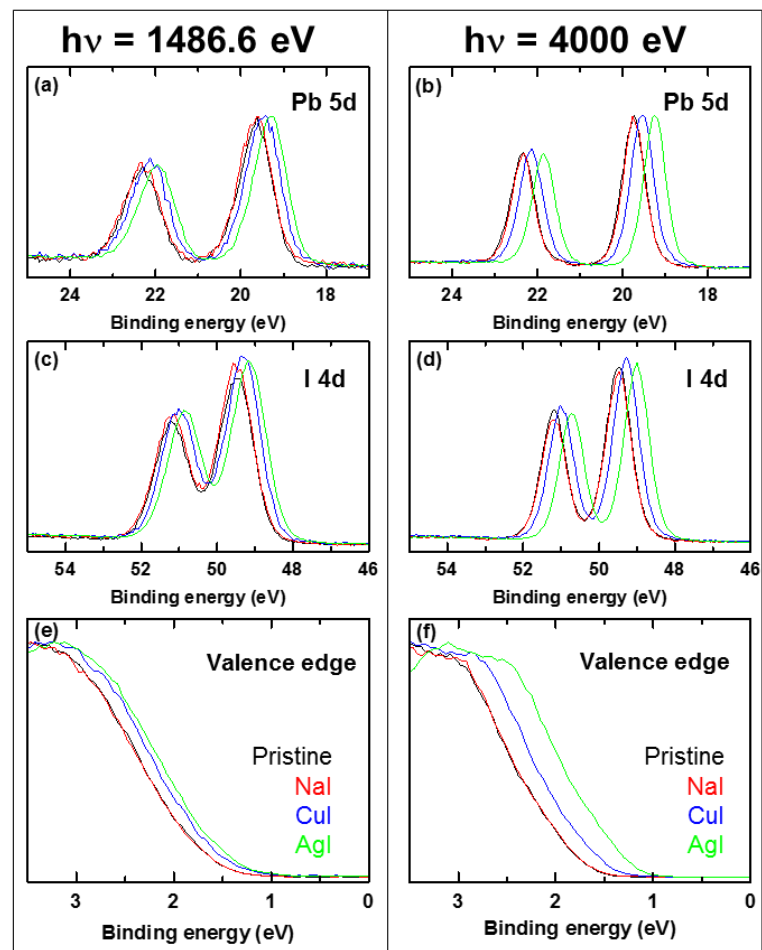
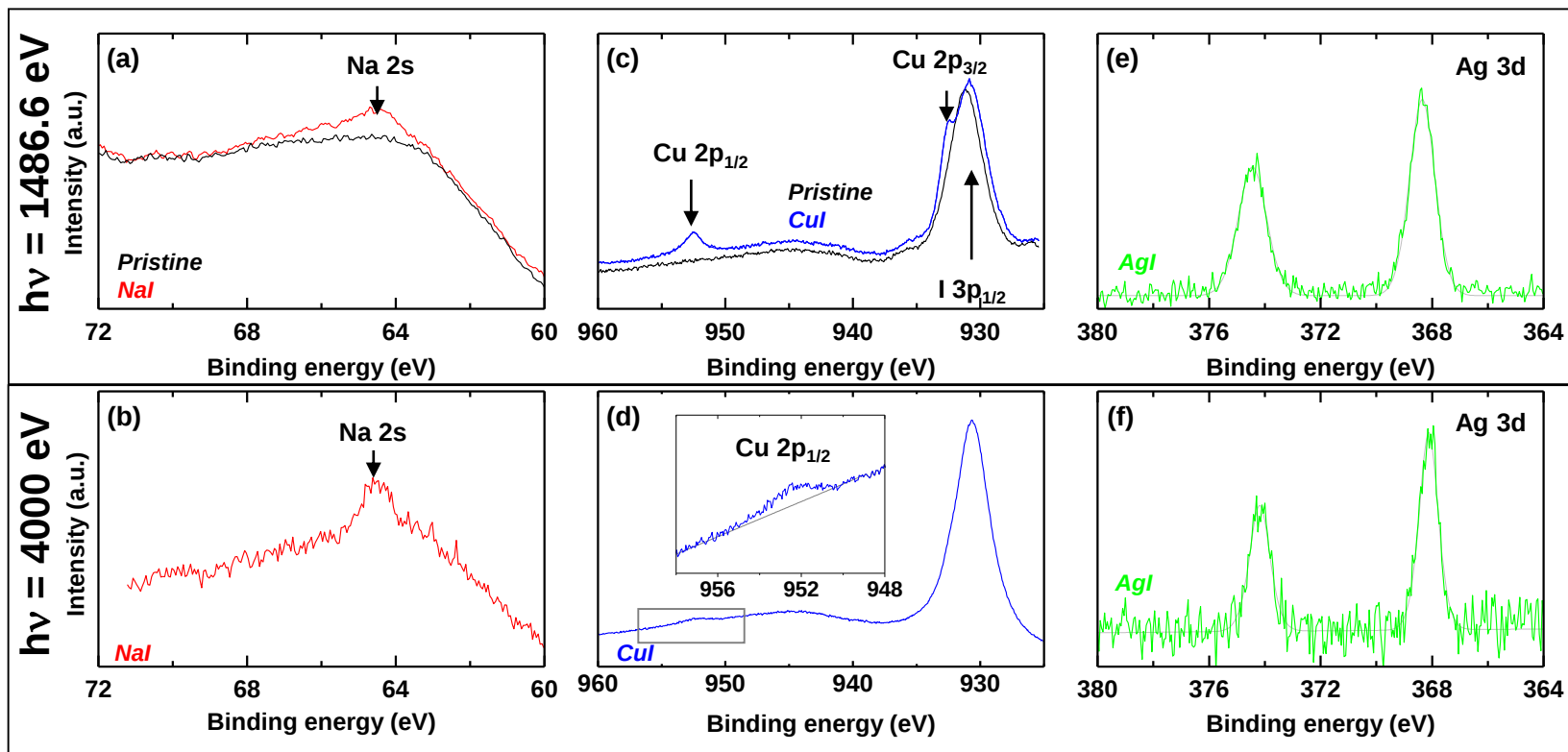
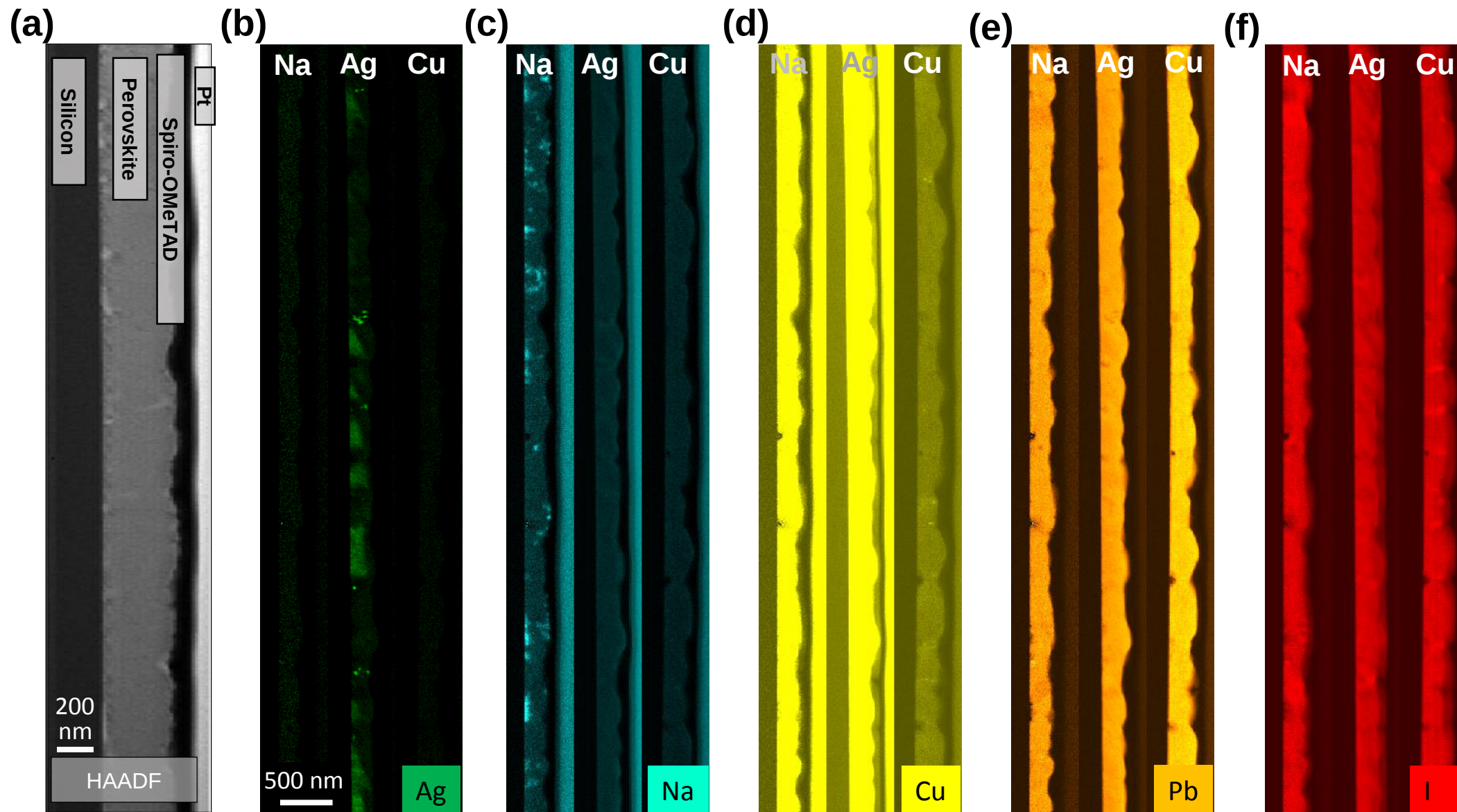


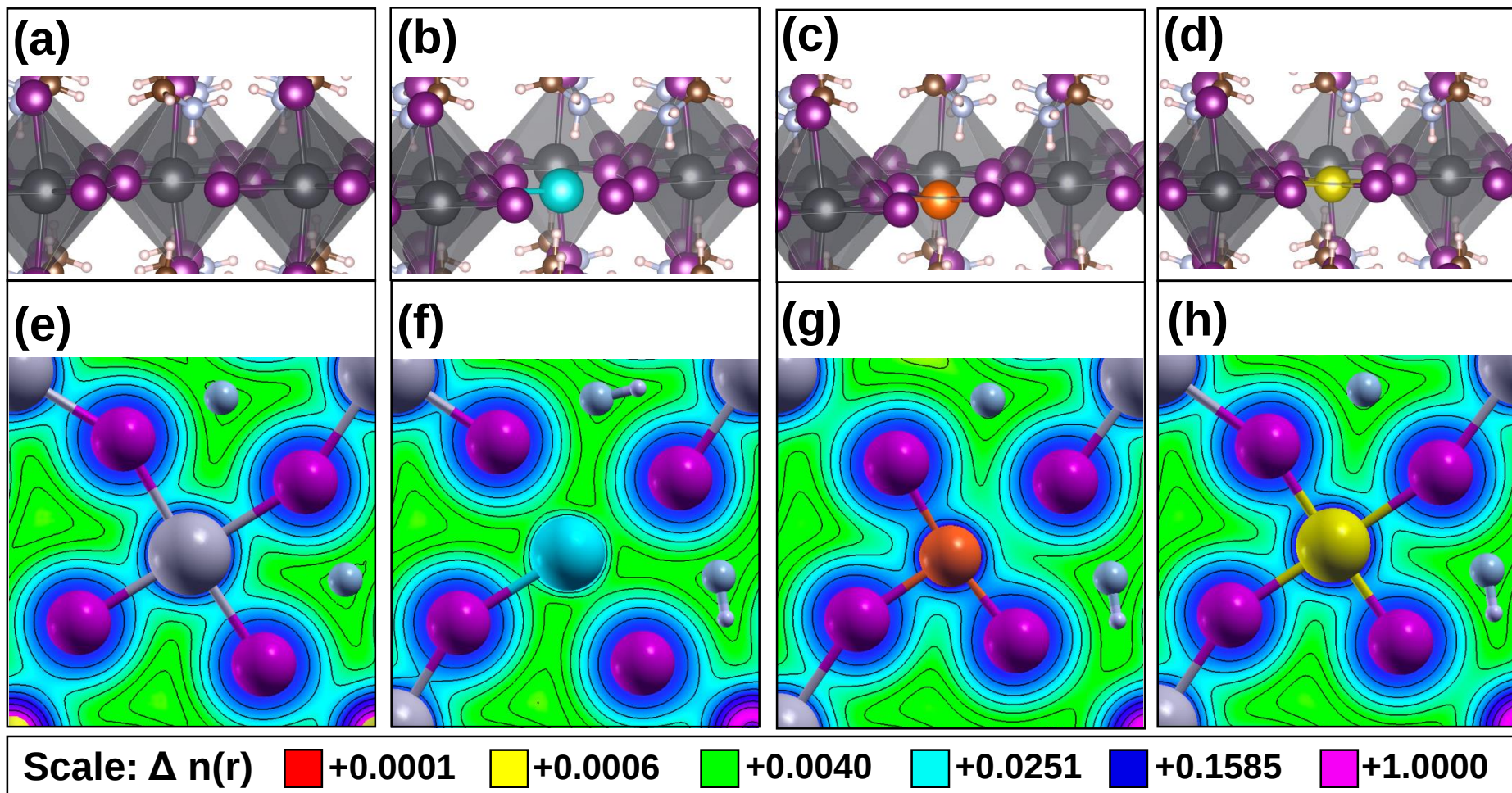


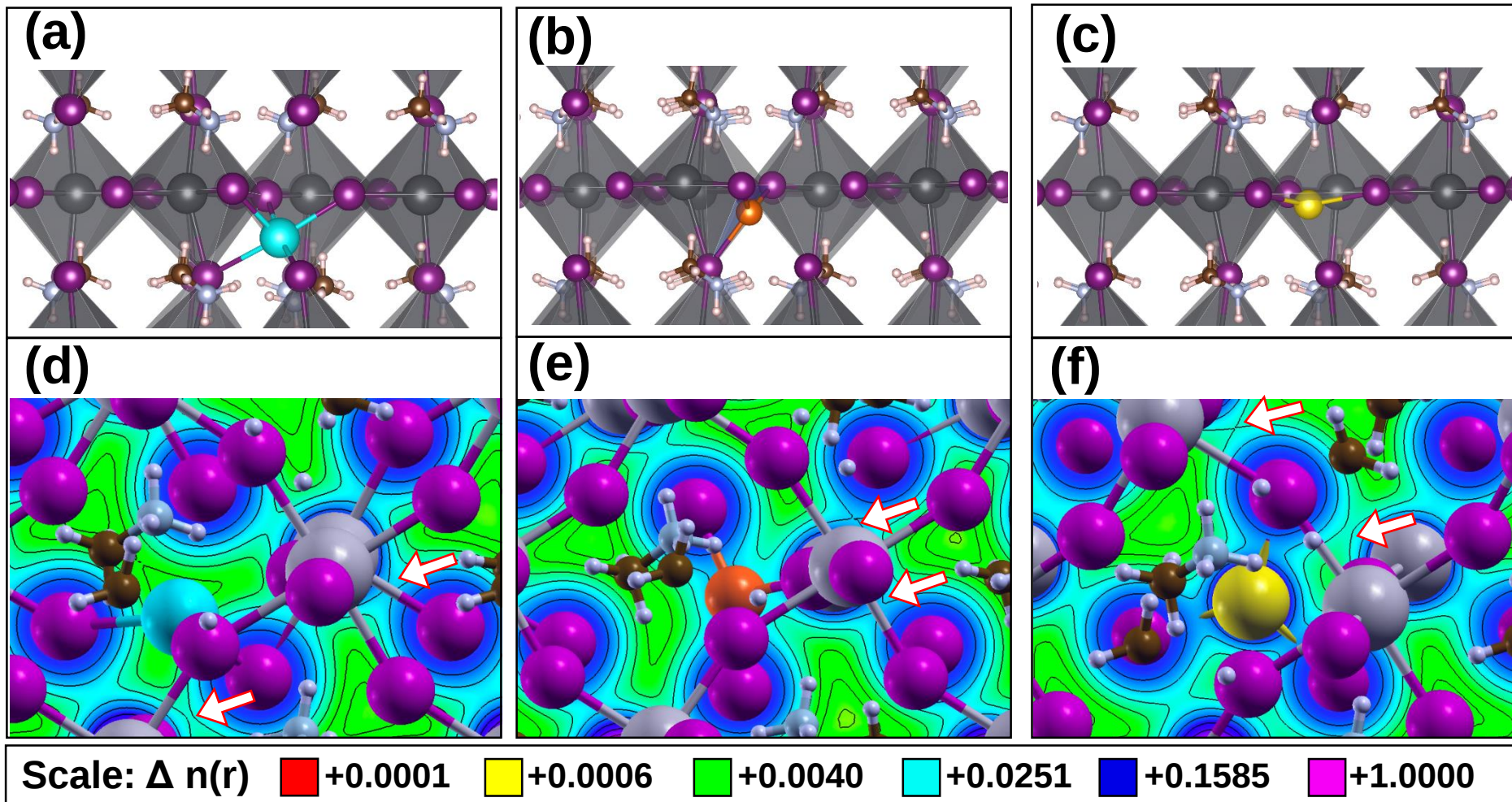












(a) I/Pb intensity ratio (precursor composition)	Pristine (3.0)	Na (3.1)	Cu (3.1)	Ag (3.1)
1486.6 eV	3.18	3.29	3.21	3.30
4000 eV	3.00	3.07	3.08	3.05

(b) Intensity ratio (precursor composition)	Na/Pb (0.1)	Cu/Pb (0.1)	Ag/Pb (0.1)
1486.6 eV	0.126	0.009	0.029
4000 eV	0.097	0.051	0.012

Sample		Tilting Angle (Degrees)	Distortion Factor (a.u.)	Unit cell volume (Å ³)	Bond length (Å)	Horizontal bond length (Å)	Vertical bond length (Å)
Pristine		28.5	1.74	991.8	3.21	3.22	3.19
Na	Substitutional	24.5	2.21	991.8	3.20	3.21	3.19
	<i>Interstitial</i>	27.6	1.53	976.9	3.20	3.21	3.20
Cu	Substitutional	26.0	3.50	1029.5	3.21	3.25	3.15
	<i>Interstitial</i>	24.8	3.22	975.2	3.24	3.26	3.21
Ag	Substitutional	24.2	2.37	1028.7	3.24	3.22	3.27
	<i>Interstitial</i>	22.5	1.85	972.5	3.22	3.26	3.18