

Electronic Supplementary Material:

Comparing the role of annealing on the transport properties of polymorphous AgBiSe_2 and monophase AgSbSe_2

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Table S1 Lattice parameters of AgBiSe_2 at different preparation stage obtained from Rietveld refinements of powder XRD data

Samples	$\text{p}\bar{3}m1$		$\text{R}\bar{3}m$	
	a (\AA)	c (\AA)	a (\AA)	α ($^\circ$)
AgBiSe ₂ -melting	4.191	19.64	7.080	33.95
AgBiSe ₂ -SPS	4.164	19.60	6.975	34.89
AgBiSe ₂ -annealing	4.194	19.63	7.044	34.35

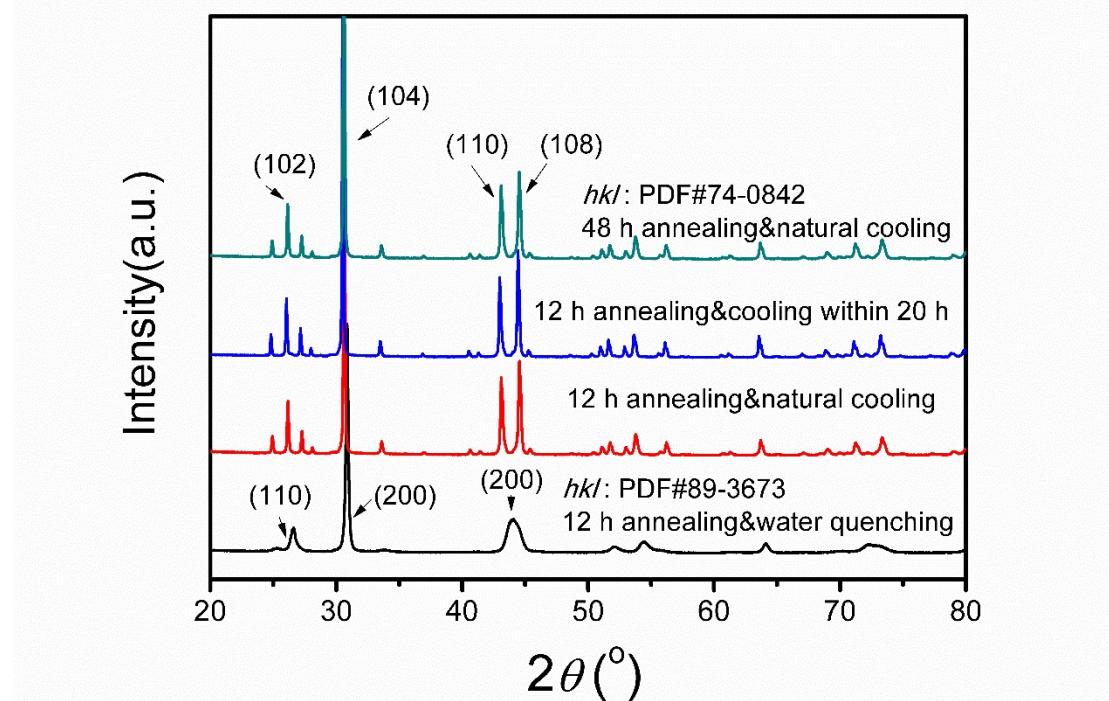


Fig. S1 XRD patterns of bulk AgBiSe_2 samples with different annealing process.