Electronic Supplementary Material (ESI) for CrystEngComm

Supplementary Information

Table S1 The atomic ratios for $AgPb_{10}LaTe_{12}$ measured by EDS and ICP-AES techniques

	Ag	Pb	La	Te	composition
EDS	3	31	6	33	$Ag_{0.98}Pb_{10}La_{1.9}Te_{10.6}$
ICP-AES	2.4	22.1	3.2	24.6	$Ag_{1.1}Pb_{10}La_{1.45}Te_{11.2}$

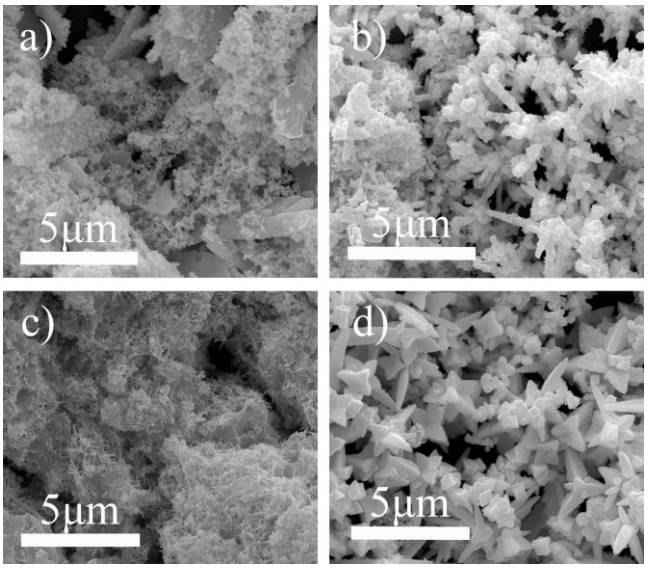

Fig. S1 SEM images of $AgPb_{10}LaTe_{12}$ samples synthesized with the solvent of water and different amount of KOH a) 0 g, b) 0.5 g, c) 1.5g, d) 2.0 g in the presence of PVP

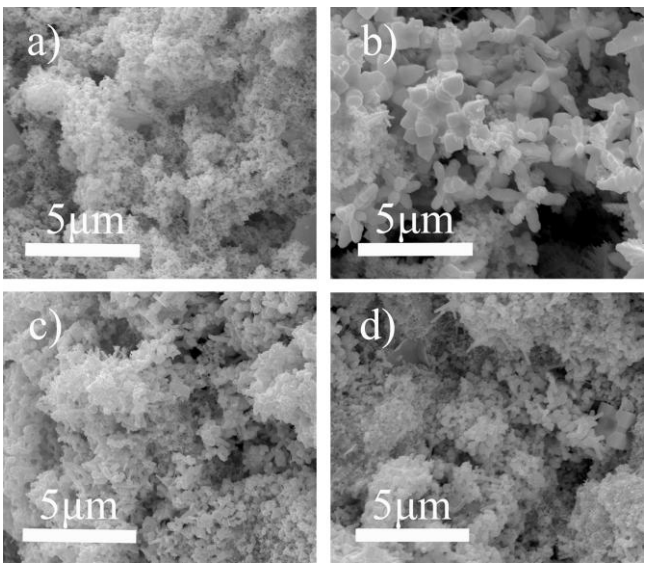

Fig. S2 SEM images of $AgPb_{10}LaTe_{12}$ samples synthesized with the solvent of water and different amount of KOH a) 0 g, b) 0.5 g, c) 1.5g, d) 2.0 g in the absence of PVP

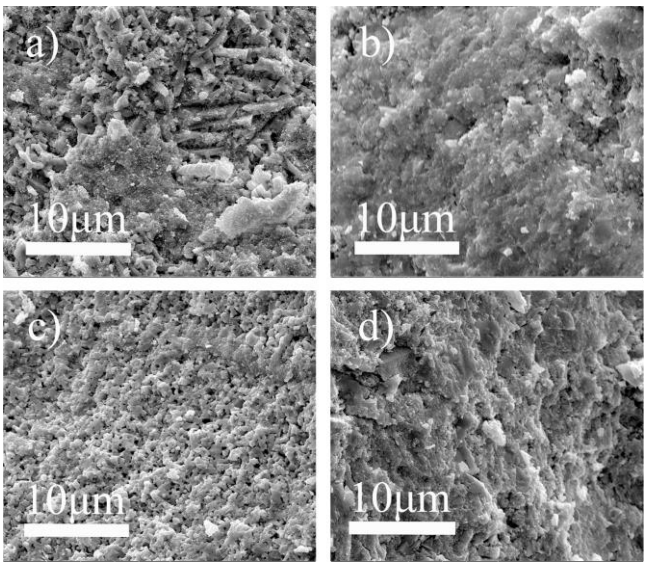

Fig. S3 SEM images of the cross section of $AgPb_{10}LaTe_{12}$ bars with different morphologies a) rod-like particles, b) cubic particles, c) flower-like particles with eight serrated petals, d) flower-like particles with eight smooth petals