

Figure 1 Cross-sectional TEM/EDX analysis of the sample at the interface between the glass substrate and the BiCuSeO film.

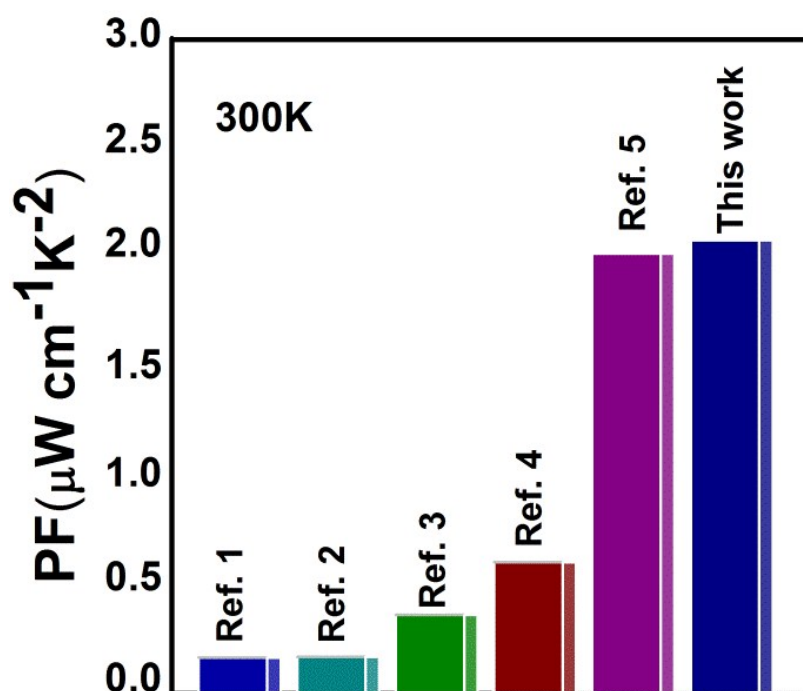


Figure 2 Comparison of power factor PF of the BiCuSeO thin film to that of bulk polycrystalline samples reported in Ref.1-5.

Table 1 Comparison of power factor PF of the BiCuSeO thin film to that of bulk polycrystalline samples with the carrier concentration in the same order as the film

Sample	n	μ	PF	Ref.
	(cm^{-3})	($\text{cm}^2\text{V}^{-1}\text{s}^{-1}$)	($\mu\text{WK}^{-2}\text{cm}^{-1}$)	
BiCuSeO thin film	1.1×10^{20}	1.5	1.73	This work
$\text{Bi}_{0.09}\text{Pb}_{0.01}\text{CuSeO}$ bulks	1.2×10^{20}	3.3	3.40	Appl. Phys. Lett. 2013, 102, 023902
$\text{Bi}_{0.975}\text{Ca}_{0.025}\text{CuSeO}$ bulks	1.5×10^{20}	3.2	2.40	J. Mater. Chem. A, 2013, 1, 11942
$\text{Bi}_{0.95}\text{Ca}_{0.05}\text{CuSeO}$ bulks	1.0×10^{20}	6.0	1.20	NPG Asia Mater. 2013, 5, 47
$\text{Bi}_{0.9}\text{Sn}_{0.1}\text{CuSeO}$ bulks	1.3×10^{20}	2.3	1.30	Dalton Trans. 2017, 46, 2510
$\text{Bi}_{0.92}\text{Sb}_{0.08}\text{CuSeO}$ bulks	8.6×10^{19}	1.3	0.04	J. Alloy. Compound. 2017, 712, 386