

Supplementary File

Self-assembled 3D Flower-like Hierarchical architecture on the thermoelectric properties of Ag-doped Bi₂S₃

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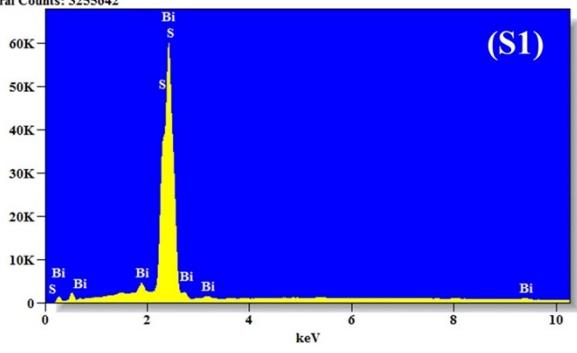
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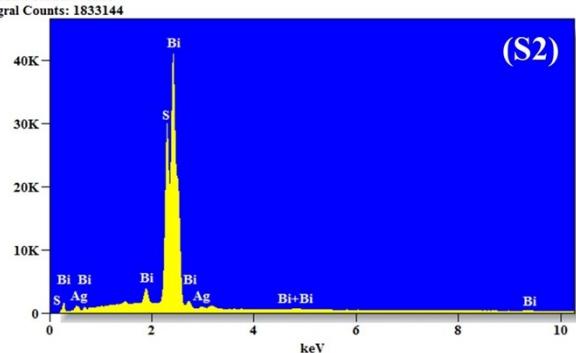
Table ES1: Elemental composition of Bi₂S₃ (S1), 0.01 % of Ag-doped Bi₂S₃ (S2) and 0.025 % Ag-doped Bi₂S₃ (S3) samples based on EDS analysis.

Samples	Elements	Atom%	Weight%
S1	S	58.35	17.69
	Bi	41.65	82.31
S2	S	58.60	18.02
	Bi	40.36	80.90
	Ag	1.05	1.08
S3	S	53.55	15.39
	Bi	43.78	82.02
	Ag	2.67	2.58

Full scale counts: 60282
Integral Counts: 3255642



Full scale counts: 41323
Integral Counts: 1833144



Full scale counts: 47655
Integral Counts: 2165099

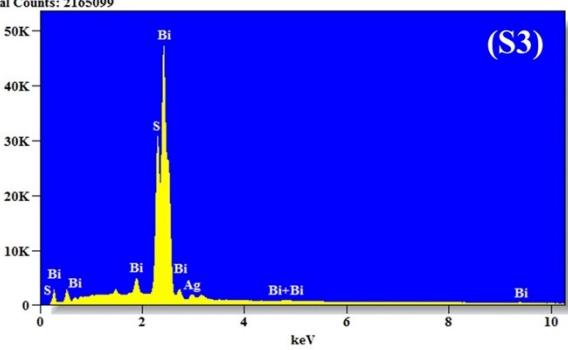


Fig. ES1 EDS spectra of Bi_2S_3 (S1), 0.01 % of Ag-doped Bi_2S_3 (S2) and 0.025 % Ag-doped Bi_2S_3 (S3) samples.

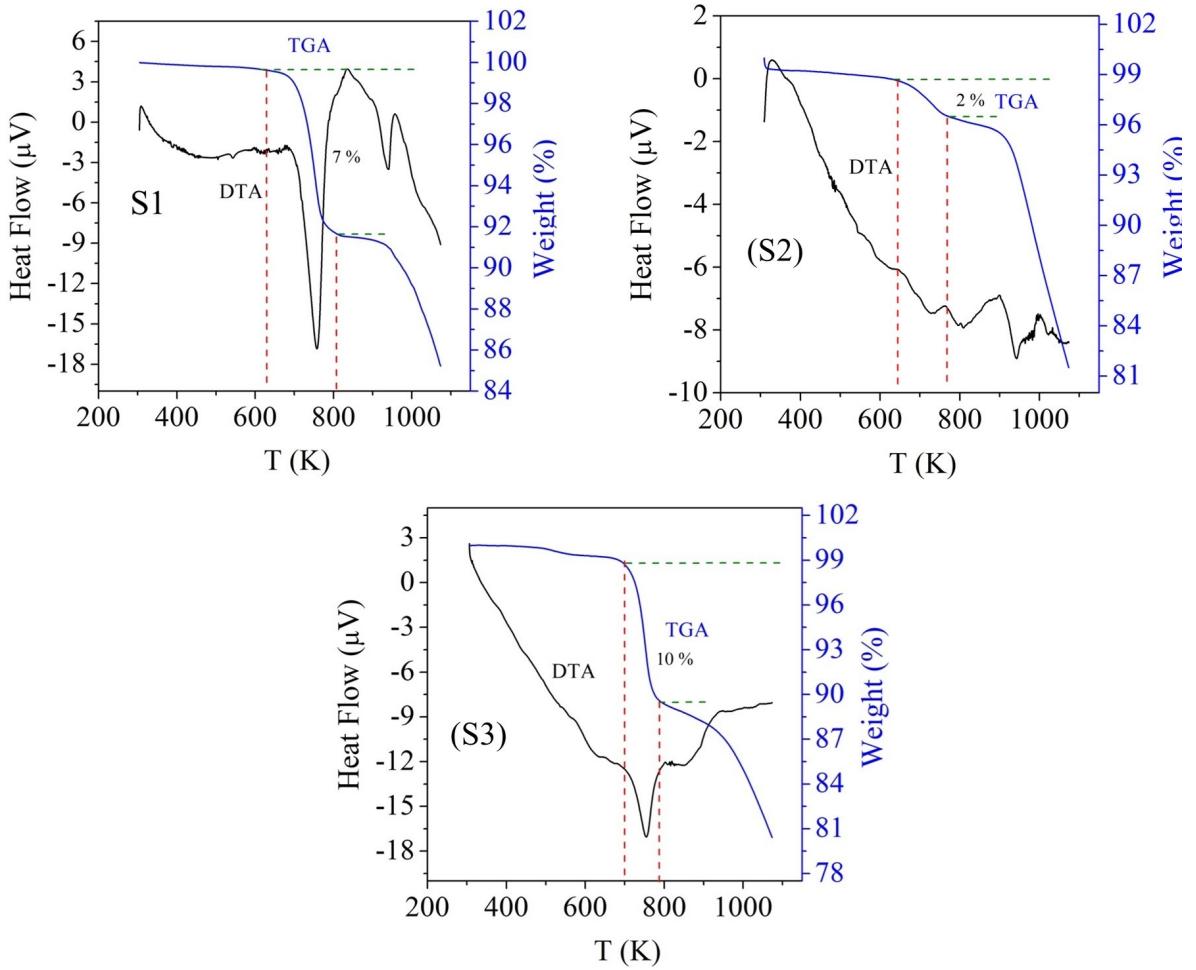


Fig. ES2: Thermogravimetric analysis (TGA) and differential thermal analysis (DTA) of Bi_2S_3 (S1), 0.01% Ag-doped Bi_2S_3 (S2), and 0.025% Ag-doped Bi_2S_3 (S3) samples.