

Microemulsion-based synthesis of $V_{1-x}W_xO_2@SiO_2$ core-shell structures for smart window applications

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Supporting Information

At the end part of this paper, there referred some of our latest results and one of them can be given as following:

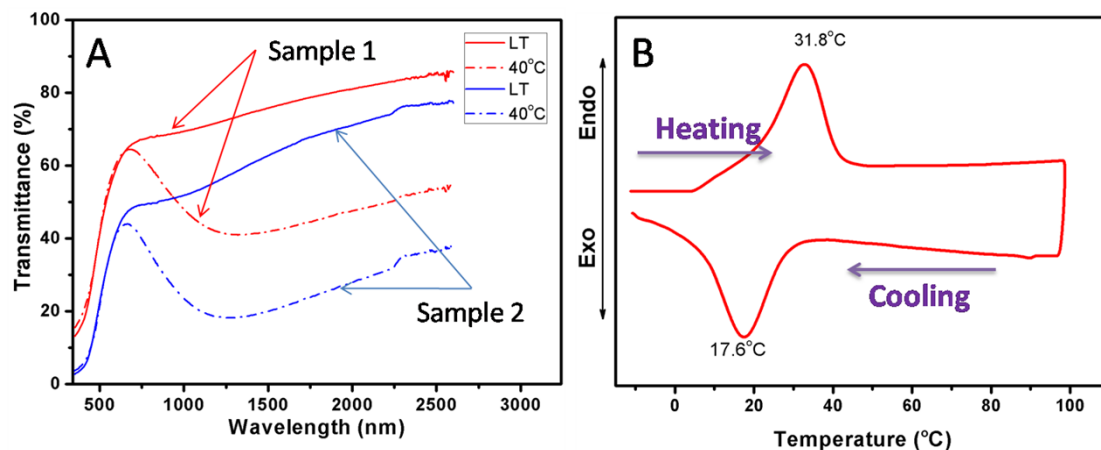


Figure S1(A) Optical transmittance spectra of our recent thermochromic foils;

(B) DSC curves corresponding to the Samples;

Sample 1, Sample 2 were prepared with the same thermochromic nanopowder;

LT indicates that the sample was first cooled in the refrigerator for 10 min before optical measurement;

40°C indicates the keep the temperature of measurement at 40 °C.

Table S1 Phase transition temperature and optical parameters of Sample 1 and Sample 2

Sample	T _c (°C)	T _{Lum} (%)		T _{Sol} (%)		ΔT _{2000nm}	ΔT _{1500nm}	ΔT _{Sol}
		T > T _c	T < T _c	T > T _c	T < T _c	(%)	(%)	(%)
1	31.8	52.57	53.79	49.21	59.35	33.5	34.0	10.14
2	31.8	34.05	34.36	28.19	42.73	43.0	42.7	14.38