Supporting Information

Constructed Ag NW@Bi/Al Core-Shell Nano-Architectures for High-Performance Flexible and Transparent Energy Storage Device

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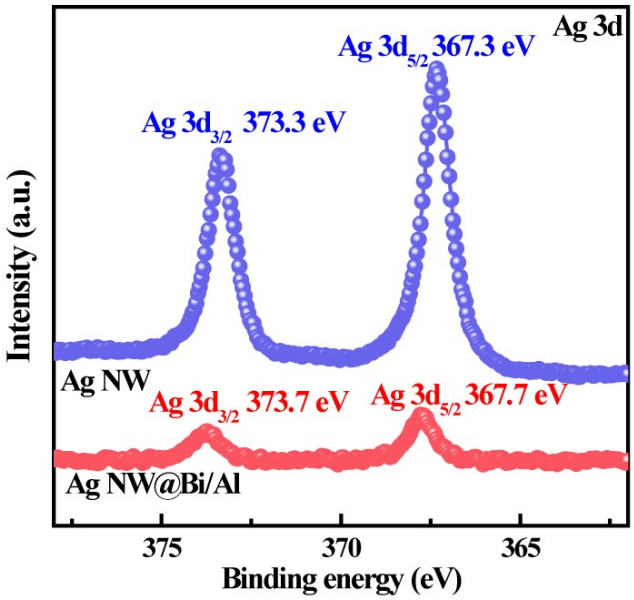

Figure S1 High-resolution XPS spectra of Ag 3d in pristine Ag NW film and Ag NW@Bi/Al film.

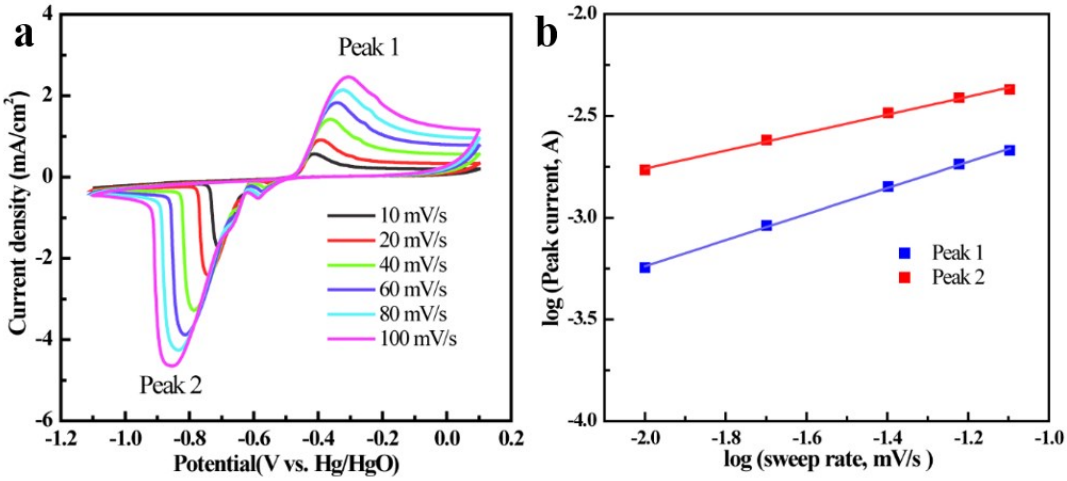

Figure S2 (a) CV curves of Ag NW@Bi/Al electrode with the scan rates changing from 10 to 100 mV/s; (b) Analysis of *b* values for anodic and cathodic peaks.

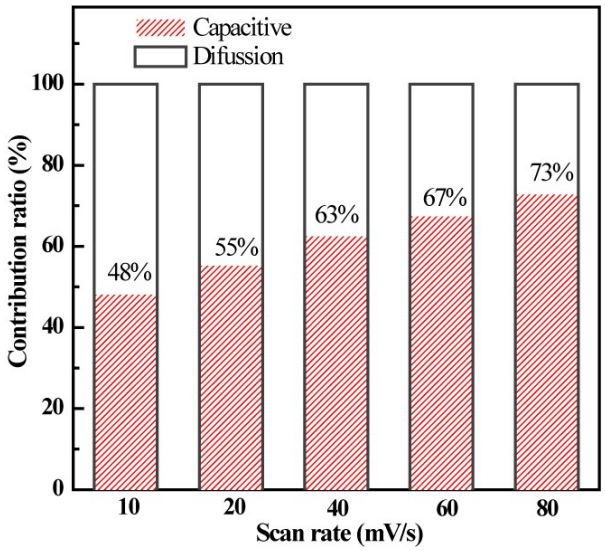

Figure S3 Capacitive and diffusion contribution of Ag NW@Bi/Al electrode at different scan rates.

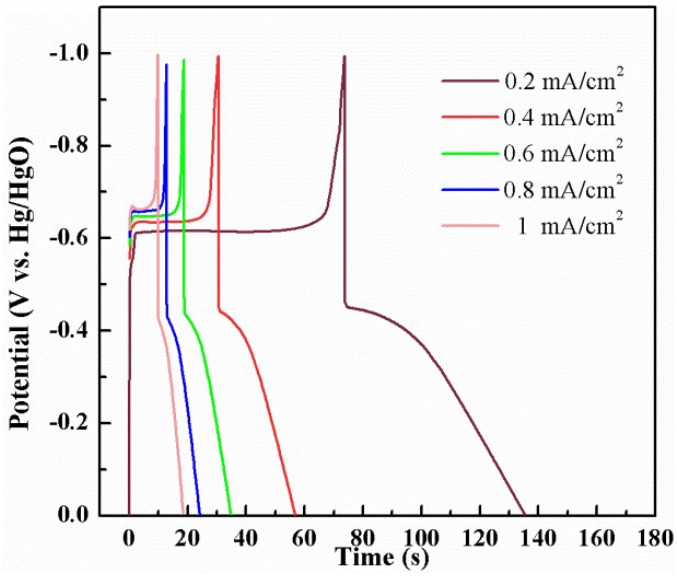

Figure S4 GCD curves of Ag NW@Bi/Al nanostructured electrode collected at various current densities.

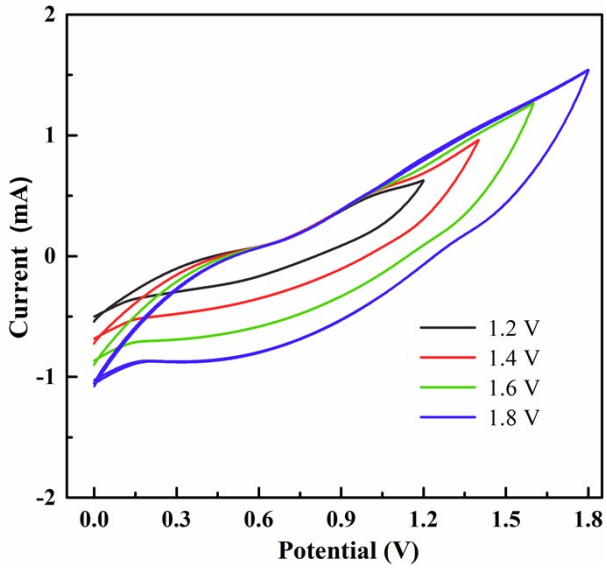

Figure S5 CV curves of the device within various operation voltage windows

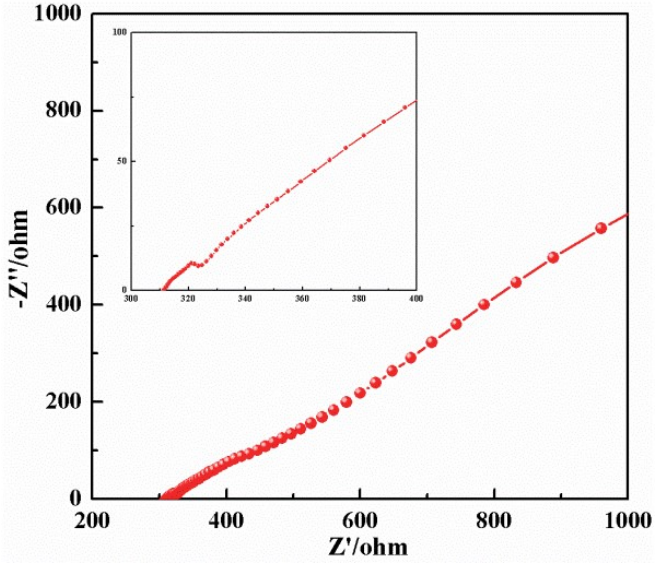

Figure S6 Nyquist impedance spectra of the energy storage device.

Table S1 The details of the used chemicals.

Chemicals	Purity	Production
$AgNO_3$	A.R	Sinopharm Group
$C_6H_{12}O_6$	A.R	Aladdin
$(C_6H_9NO)_n$	A.R	Aladdin
C_2H_6O	A.R	Macklin
$Fe_2(SO_4)_3$	A.R	Macklin
KOH	G.R	Macklin
$Ni(CH_3COO)_2 \cdot 4H_2O$	A.R	Macklin
$C_4H_6CoO_4$	A.R	Macklin
$Bi(NO_3)_3$	A.R	Macklin
$Al(NO_3)_3$	A.R	Macklin