

Supplementary Material

Employing plasmonic effect of Ag-graphene composite on enhancing light harvesting and photoluminescence quenching efficiency of poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene-vinylene]

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Table S1 The detailed preparation condition of composite

No. Item	1	2	3	4	5	6	7	8	9
MEH-PPV (mL)	2	2	2	2	2	2	2	2	2
Acceptor Materials (mL)	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
Ethanol (mL)	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
Total Volume (mL)	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8

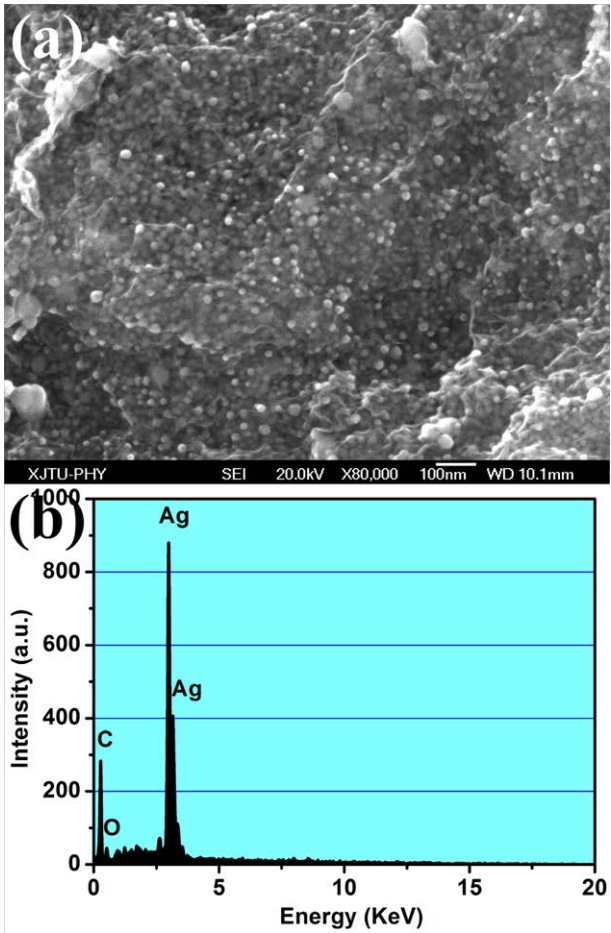


Figure S1 (a) FESEM image of AGC-10. (b) Corresponding EDS pattern of AGC-10.

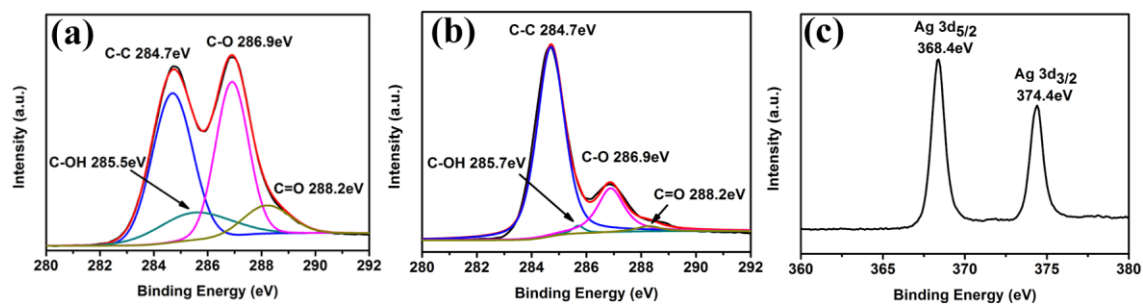


Figure S2 C1s XPS of (a) GO and (b) AGC-10, (c) Ag 3d XPS of AGC-10.

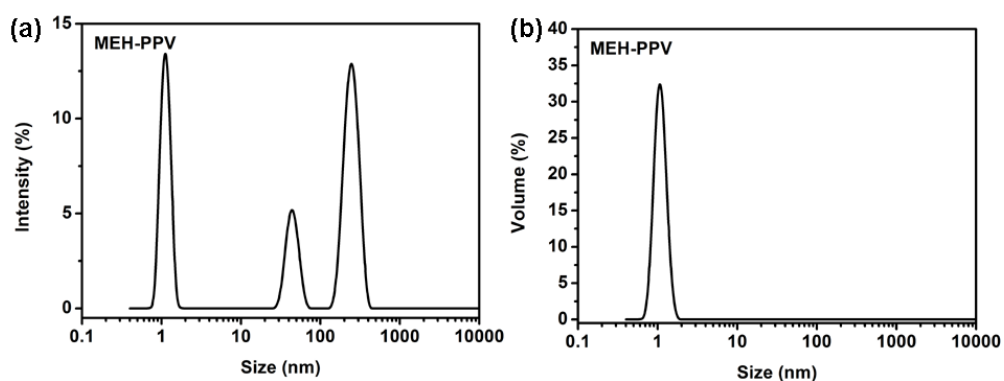


Figure S3 DLS pattern of MEH-PPV in a mix solvent of chloroform and ethanol in the function of (a) intensity and (b) volume.

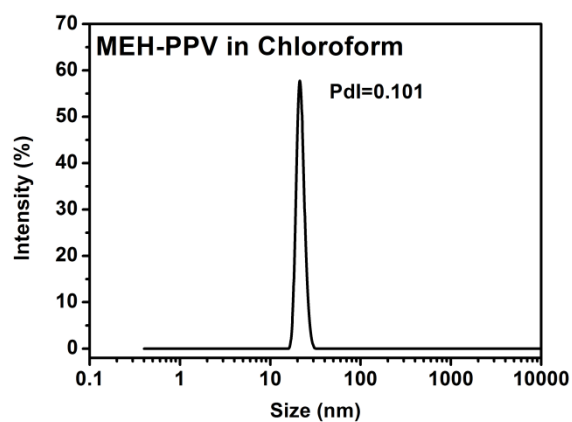


Figure S4 The DLS result of pure MEH-PPV solution in chloroform.

