Nanoscale

ARTICLE

Supporting information

Stable-radicals increase the conductance and Seebeck coefficient of graphene nanoconstrictions

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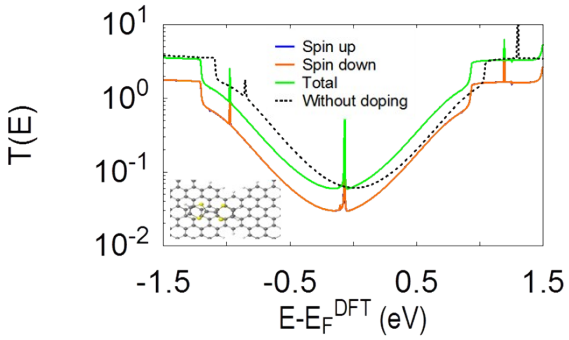

Figure S1. The spin-dependent and total transmission coefficient as a function of energy for TTF nanoconstriction junction

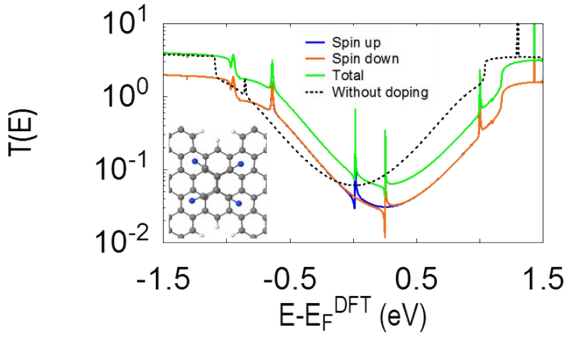

Figure S2. The spin-dependent and total transmission coefficient as a function of energy for TCNE nanoconstriction junction

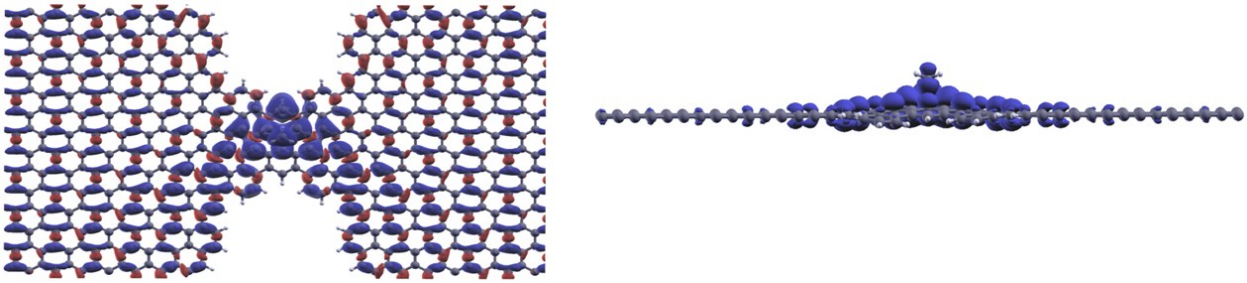

Figure S3. Local density of states (LDOS) of the graphene nanoconstrictions in the presence of 4-picoline radical. The LDOS is calculated by integrating the imaginary of the Green's function G(r,E) with respect to energy E over a small energy window centered of a given atom.