

Electronic Supplementary Information

Electronic and Transport Properties of Porous Graphenes: Two-Dimensional Benzo- and Aza-fused π -Conjugated-Microporous-Polymers Sheets and Boron-Nitrogen Co-doped Derivatives

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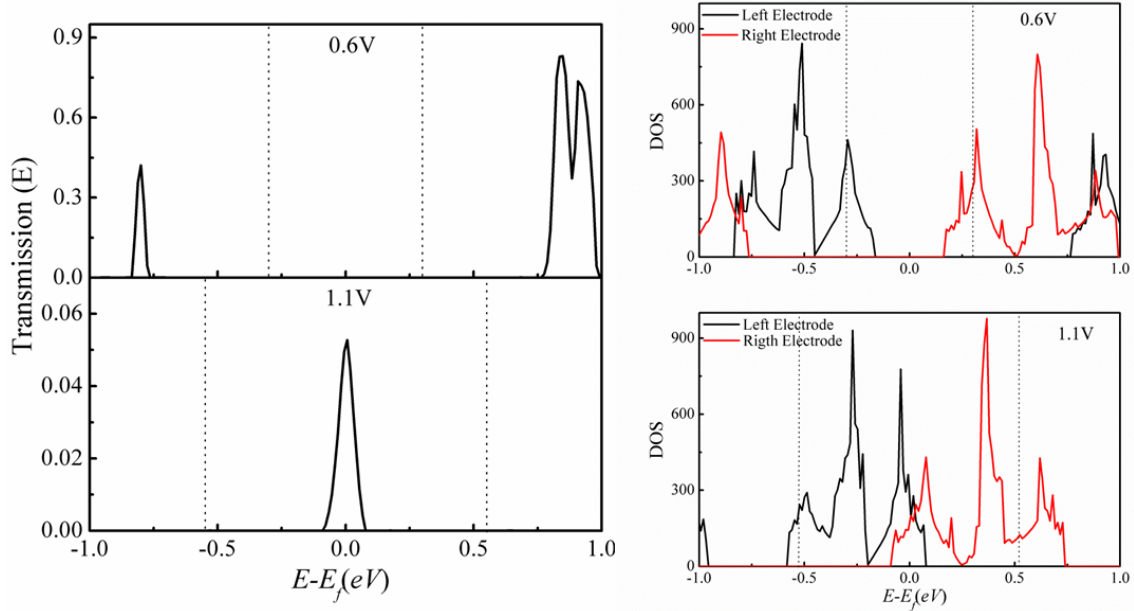
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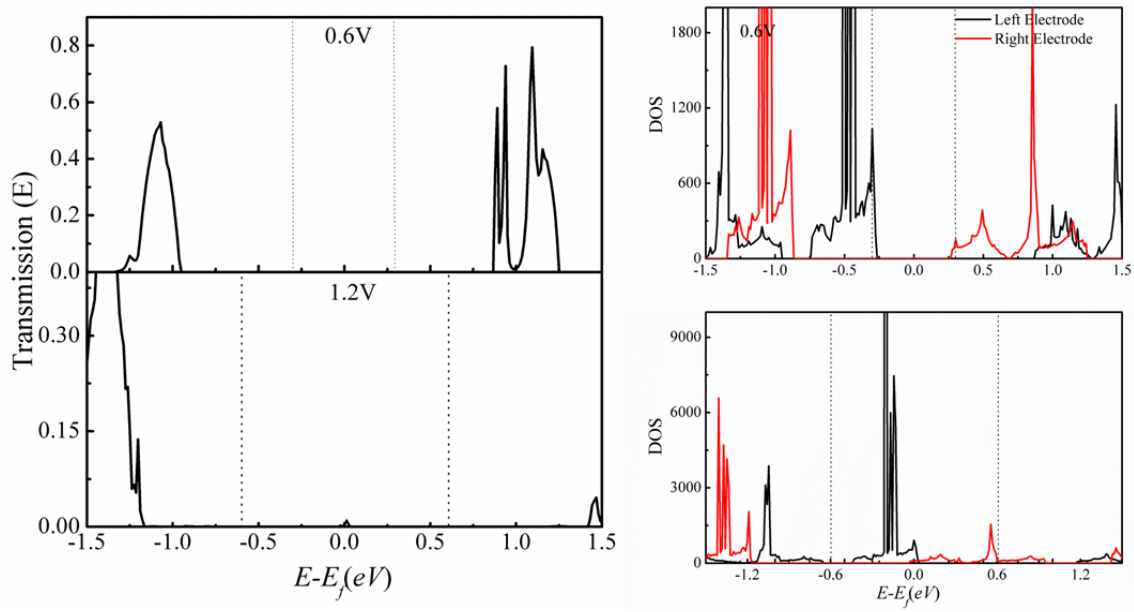
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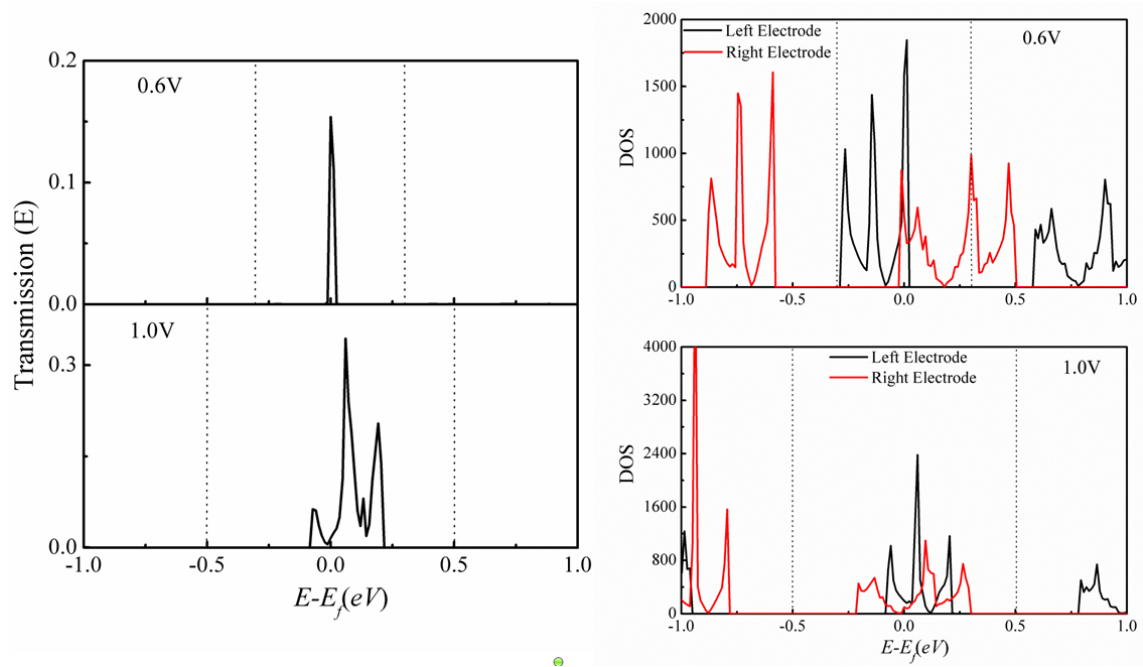
Figure S1. Computed transmission spectra and the corresponding DOS of left electrode and right electrode at different bias for (a) Benzo-CMP, (b) Aza-CMP, (c) *cis*-BN-Benzo-CMP, (d) *trans*-BN-Benzo-CMP, and (e) *cis*-BN-Aza-CMP.



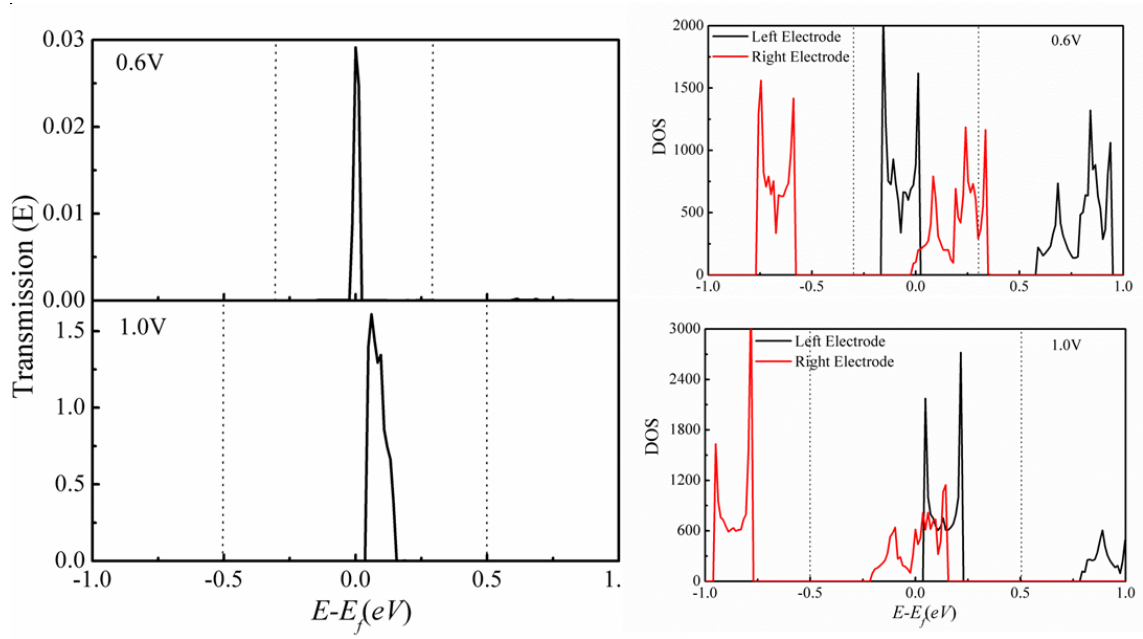
(a) Benzo-CMP



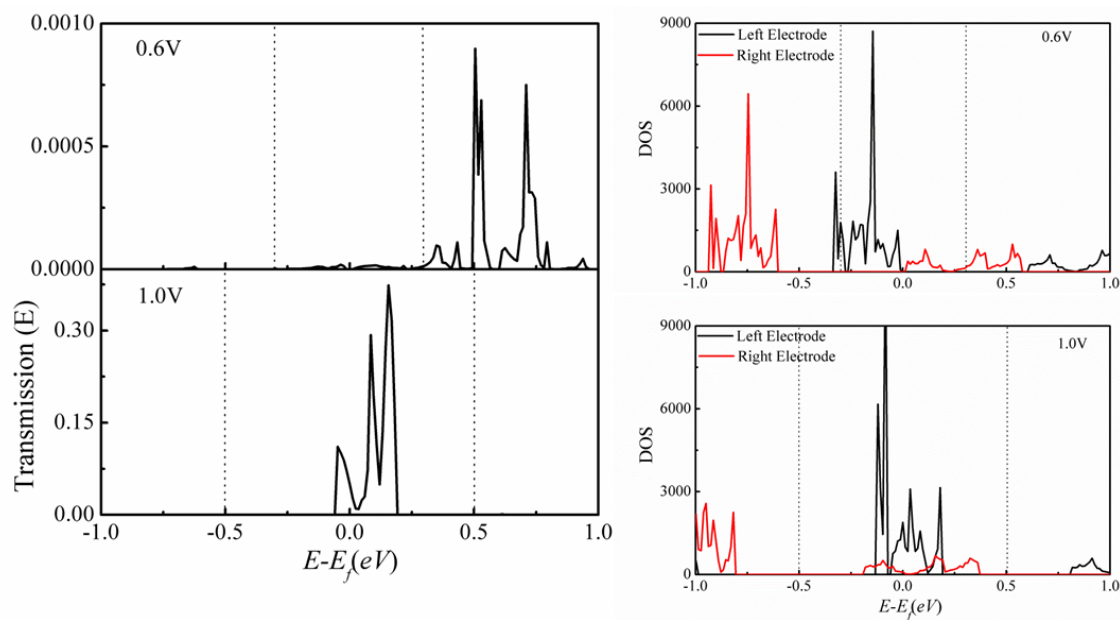
(b) Aza-CMP



(c) *cis*-BN-Benzo-CMP



(d) *trans*-BN-Benzo-CMP



(e) *cis*-BN-Aza-CMP

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