

Supplementary Information

Photoelectron Spectroscopy of 4-Bromochlorobenzene Dimer and Trimer Anions

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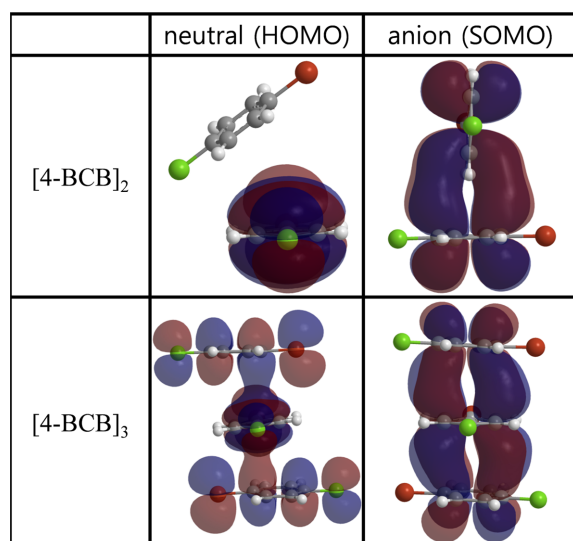


Figure S1. Neutral HOMO and anion SOMO of the 4-BCB clusters. The excess electron is delocalized to the dimer and trimer anions through the extended π -network.

Table S1. Mulliken atomic charges for the dimer and trimer of 4-BCB calculated at the B3LYP/6-31+G* level

		Cl	Ring	Br
[4-BCB] ₂ [−]	neutral	0.27	0.05	-0.32
	anion	0.43	-0.97	-0.46
[4-BCB] ₃ [−]	neutral	0.25	-0.31	0.06
	anion	-0.13	-0.87	0.00