

**Supplementary Information:**

**Modulating Molecular Plasmons in Naphthalene**

**via Intermolecular Interactions and Strong**

**Light-Matter Coupling**

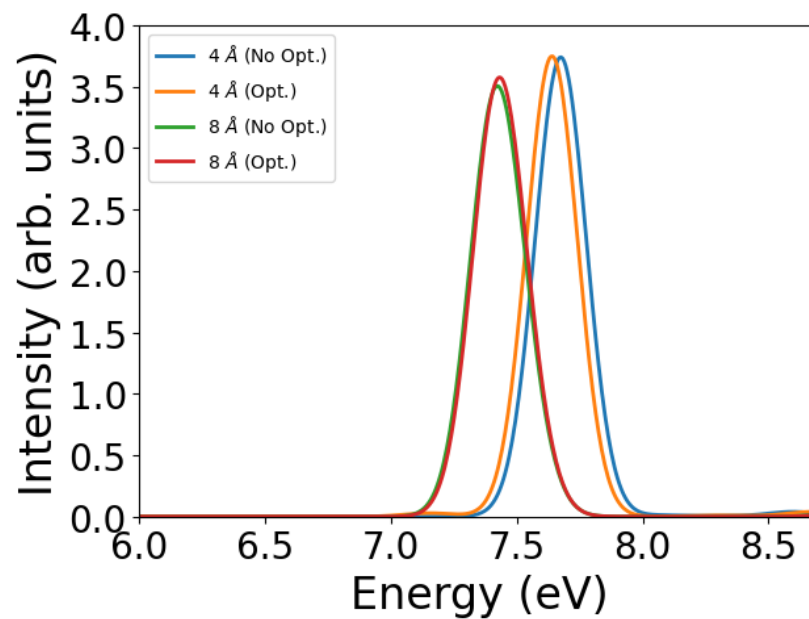
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**Table S1.** Atomic coordinates (in Å) of naphthalene monomer optimized at the B3LYP/cc-pVDZ level of theory.

H	3.361137	-1.238078	0.000000
C	2.411654	-0.699292	0.000000
H	1.237065	-2.480854	0.000000
C	1.232905	-1.388655	0.000000
C	1.232905	1.388655	0.000000
C	0.000000	-0.712406	0.000000
C	2.411654	0.699292	0.000000
C	0.000000	0.712406	0.000000
C	-1.232905	-1.388655	0.000000
H	3.361137	1.238078	0.000000
H	-1.237065	2.480854	0.000000
H	1.237065	2.480854	0.000000
C	-2.411654	-0.699292	0.000000
H	-1.237065	-2.480854	0.000000
H	-3.361137	-1.238078	0.000000
C	-2.411654	0.699292	0.000000
H	-3.361137	1.238078	0.000000
C	-1.232905	1.388655	0.000000



**Figure S1.** Absorption spectra of naphthalene dimer at intermolecular distances of 4 Å and 8 Å along the z direction, comparing optimized and unoptimized geometries at the dimer level; the monomer geometry has been pre-optimized using B3LYP/cc-pVDZ.