1,8-萘酰亚胺衍生物的合成、表征及电存储性能

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Fig. S1  The $^1$H-NMR spectrum of ATPA

Fig. S2  The $^1$H-NMR spectrum of NACN
Fig. S3  The $^1$H-NMR spectrum of NA-ATPA

Fig. S4  The $^1$H-NMR spectrum of NA(CN)-ATPA
Fig. S5  The $^1$H-NMR spectrum of NA(NO$_2$)-ATPA

Fig. S6  Calculated molecular orbitals and the possible electronic transition processes occurring in (a) NA-ATPA, (b) NA(CN)-ATPA and (c) NA(NO$_2$)-ATPA.
Fig. S7  Mulliken population analysis of NA, NA(CN) and NA(NO₂)

(a) NA-ATPA

(b) NA(CN)-ATPA

(c) NA(NO₂)-ATPA
Fig. S8  Mulliken population analysis of the NA-ATPA, NA(CN)-ATPA and NA(NO$_2$)-ATPA at ground state and excited state