**README**

Data underlying publication "Electron affinity and binding energy of excitons in disordered organic semiconductors. III. Multimethod study for films of the blue fluorescent emitter MADN (Physical Review B, 2025).

The database contains Mathematica notebook files (.nb) and Origin files (.opju) that provide simulation and measurement data that are shown in figures 3, 4, 6-8 of the main paper and in figures S1-S13 of the Supplemental Material.

**Mathematica notebooks**

The data are given in the form of lists. The specific curves to which each list refers is explained in the notebook files.

**Origin files**

* Figure-6(*a-g*)-(*material-name*)-261025.opju. Go to the tab ”Project Explorer”, and from there to the book that contains the tabulated data for each of the curves in the figure.
* Figure-S5-all-200nm-271025.opju. Go to the tab ”Project Explorer”, and from there to Book1. That contains the tabulated data for each of the 200 nm curves in the figure, for all materials. There are for each material two columns: the voltage and the corresponding current density (in A/m2).
* Figure-S5-NPB-100nm-300nm-271025.opju. Go to the tab ”Project Explorer”, and from there to Book2. That contains the tabulated data for each of the 100 and 200 nm curves in the figure, for NPB. There are for each case two columns: the voltage and the corresponding current density (in A/m2).
* Figure-S6-271025.opju. Go to the tab ”Project Explorer”, and from there to Book1. That contains the tabulated data for all materials. There are for each case two columns: the voltage and the corresponding current density (in A/m2).
* Figure-S7-100nm-271025.opju.  
  Go to the tab ”Project Explorer”, and from there to DC0V, DCminus1Volt …. DCplus2V (data for 0 V, -1 V, … 2V in panel (a).
* Figure-S7-200nm-271025.opju.  
  Figure-S7-300nm-271025.opju.  
  Go to the tab ”Project Explorer”, and from there to DClevel0V, DClevelplus1Volt …. DClevelplus3V (data for 0 V, 1 V, … 3V in panels (b) and (c).
* Figure-S9-301025.opju. Go to the tab ”Project Explorer”, and from there to Data. The data table gives for each material and for five voltage values the wavelength dependent normalized intensity.
* Figure-S10a-301025.opju. Go to the tab ”Project Explorer”, and from there to Data. The data table gives for each layer thickness and for each field the normalized PL intensity.
* Figure-S11-301025.opju. Go to the tab ”Project Explorer”, and from there to Data. The data table gives for each material and for 1, 20 … 50 V the time dependent photocurrent density (A/m2). to the tab ”Project Explorer”, and from there to PLData. The data table gives for each layer thickness the wavelength dependent normalized PL intensity.