Main Text:

A close-up of a graph

Description automatically generated

In origin “(initial Paper) analysis – Final 2.opju/Thesis nsTA triplet harvesting v2”

Originally published in the arxiv paper. This is the data from figure 4.

A graph of a function

Description automatically generated

In “(initial Paper) analysis – Final 2.opju/Excitation scans/PST50SF100/modelling/Thesis IR PL fluence dependance”

A screenshot of a computer screen

Description automatically generated

In origin “(initial Paper) analysis – Final 2.opju/PL Mapping/Folder1/Thesis PL mapping”

A graph of a function

Description automatically generated

In origin “(initial Paper) analysis – Final 2.opju/IR TCSPC/redo/Thesis IR-tr-PL-deconvolution-convolution”

Originally published in the arxiv paper. SI 14a figure.

SI:

A diagram of a graph

Description automatically generated

In origin “(initial Paper) analysis – Final 2.opju/ns-TA/nsTA/fluence series/ns kinetics/SI triplet-fluence-comparison”  
This shows power dependent TTA – still quite efficient not strong power dependent.

* One of the key points for figure 2 (this doc) is that the film shows a strong degradation in performance with increase incident 535 nm excitation due to TTA.

A screenshot of a graph

Description automatically generated

In origin “initial nsTA/ns kinetics/Thesis nsTA QD transfer pop”

Originally data published in the arxiv paper. This figure is new but is effectively from figure s6 in arvix paper.

Concomerant rise

WE found the optimum concentration (check if in other paper first) – Pretty sure this is not in the arvix paper.

A diagram of a graph

Description automatically generated

Origin path “PL analysis/Linear Regression/fitting 50uW/Thesis PL fitting”

A graph of a diagram

Description automatically generated

Triplets went to the dots. PL

In origin “(initial Paper) analysis – Final 2.opju/PL Mapping/Folder1/SI TCSPC PL Kinetics”

Check if in other paper (very probably) – but comment on excitation dependent (relative to solar fluence).

A graph of a graph

Description automatically generated

Data in original arvix paper, Analysis about the resulting excitation spectra being reduced because of TTA (k2 rate) is not published.

Origin path “(initial Paper) analysis – Final 2.opju/Excitation scans/Thesis excitation spectra”

A diagram of a wave graph

Description automatically generated

Comment on wavelength dependence in main text.

Data in original arvix paper, Analysis about the resulting excitation spectra being reduced because of TTA (k2 rate) is not published.

Origin path “(initial Paper) analysis – Final 2.opju/Excitation scans/Thesis PLQE spectral dependence”