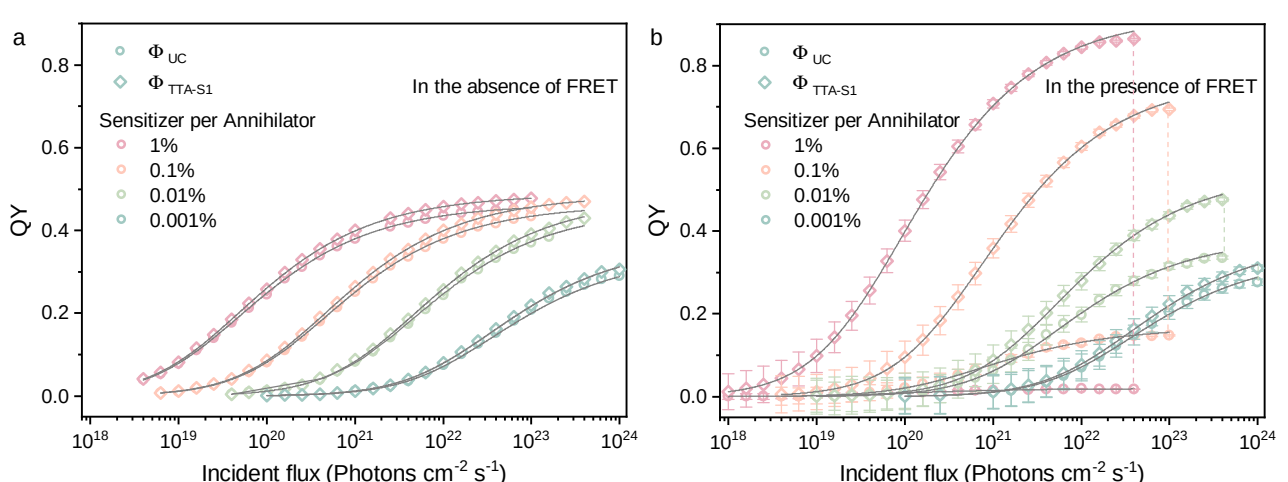
a
Φ UC
Φ TTA-S1
In the absence of FRET
Sensitizer per Annihilator
1%
0.1%
0.01%
0.001%
QY
0.0
0.2
0.4
0.6
0.8
10^18
10^19
10^20
10^21
10^22
10^23
10^24
Incident flux (Photons cm^-2 s^-1)
b
Φ UC
Φ TTA-S1
In the presence of FRET
Sensitizer per Annihilator
1%
0.1%
0.01%
0.001%
QY
0.0
0.2
0.4
0.6
0.8
10^18
10^19
10^20
10^21
10^22
10^23
10^24
Incident flux (Photons cm^-2 s^-1)