MB Photodegradation Trial 1

Sample:
OAD CuO NR (Cu was annealed at 380°C for $3h$)
QCM reading : 3 μm

Photodecay:
MB concentration: 10.9 μM
Intensity≈ $12\ mW/cm^2$
$T_{avg} = 26.8$°C
$\boldsymbol{k_{MB} = 0.105\ h^{-1}}$

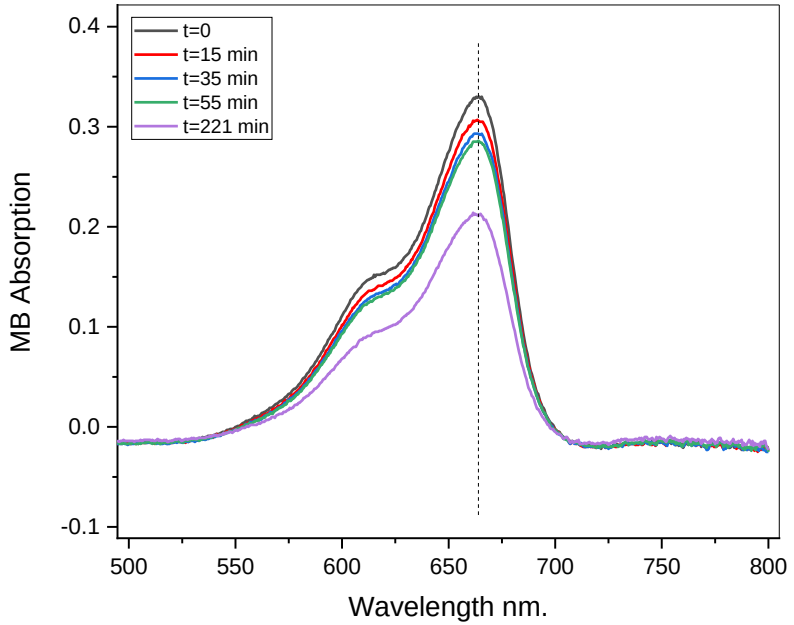
t=0

t=221 min

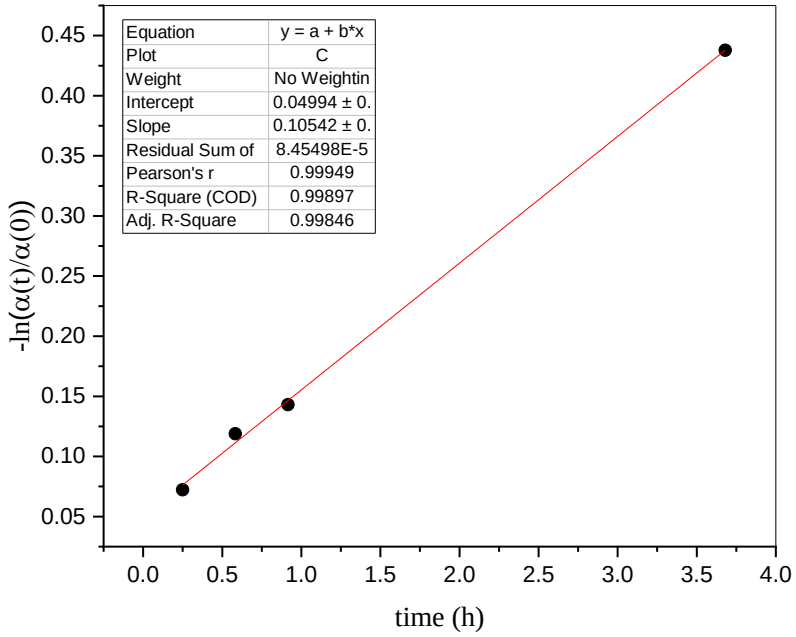
Sample:
OAD CuO NR (Cu was annealed at 380°C for $3h$)
QCM reading : 2 μm

Photodecay:
MB concentration: 31.3 μM
Intensity=65 mW/cm^2
$T_{avg} = 25$ °C
$\boldsymbol{k_{MB} = 0.044\ h^{-1}}$

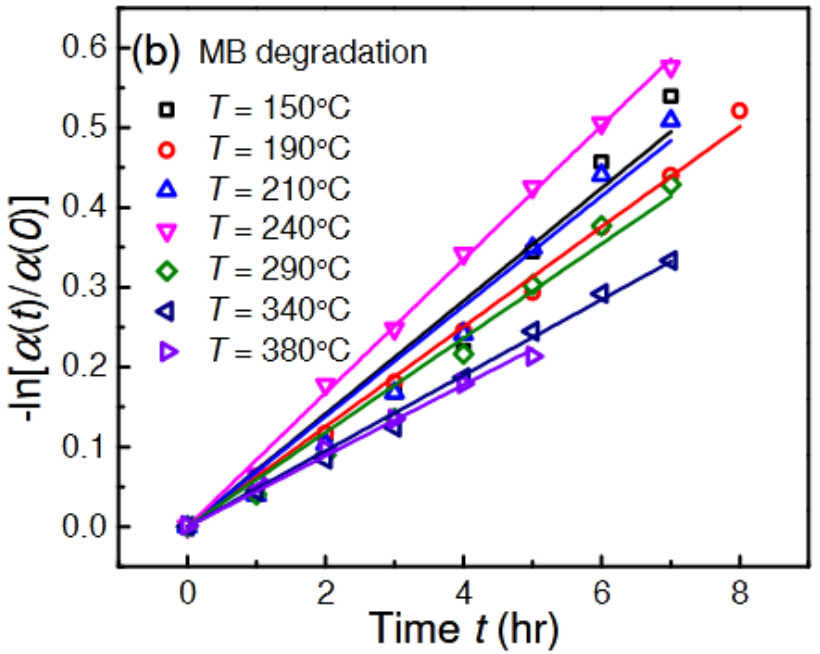
Ali's measurement



Ali's measurement



Pradip

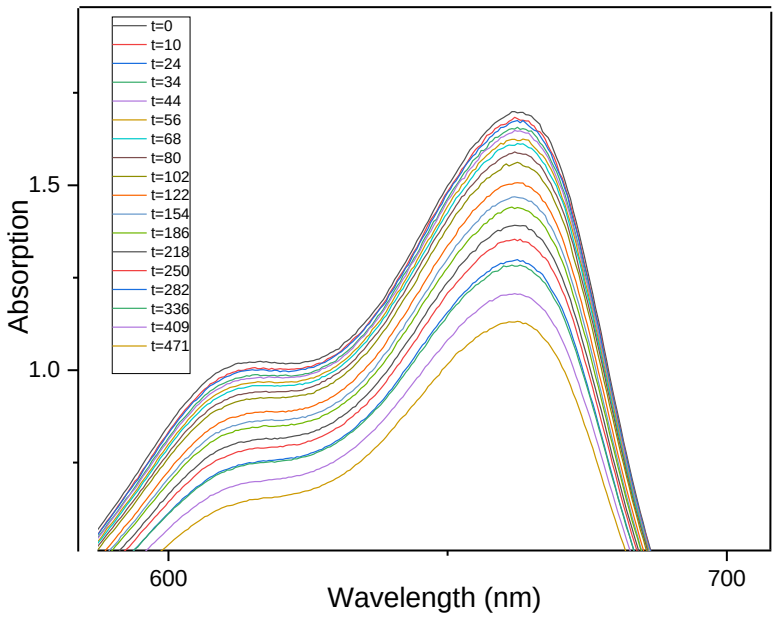


MB Photodegradation Trial 2

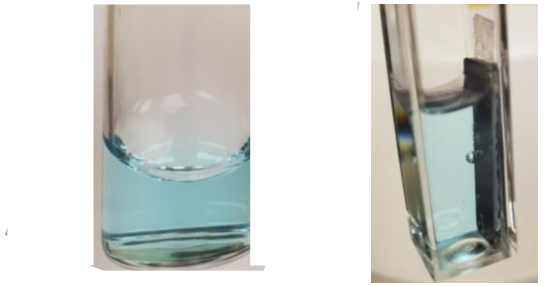
Sample:
OAD CuO NR (Cu was annealed at 380°C for $3h$)
QCM reading : 3 μm

Photodecay:
MB concentration: 10.9 μM
Intensity $\approx 60\ mW/cm^2$
$T_{avg} = 26.8$°C
$\boldsymbol{k_{MB} = 0.052\ h^{-1}}$

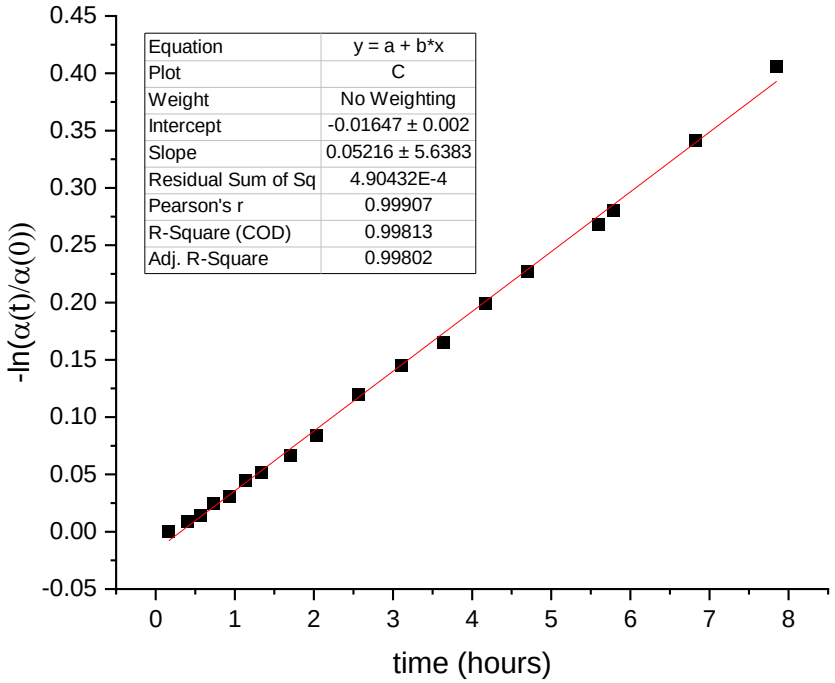
Ali's measurement



t=0 t=221 min



Ali's measurement



Sample:
OAD CuO NR (Cu was annealed at 380°C for $3h$)
QCM reading : 2 μm

Photodecay:
MB concentration: 31.3 μM
Intensity=65 mW/cm^2
$T_{avg} = 25$ °C
$\boldsymbol{k_{MB} = 0.044\ h^{-1}}$

Pradip