

## Supplementary Information

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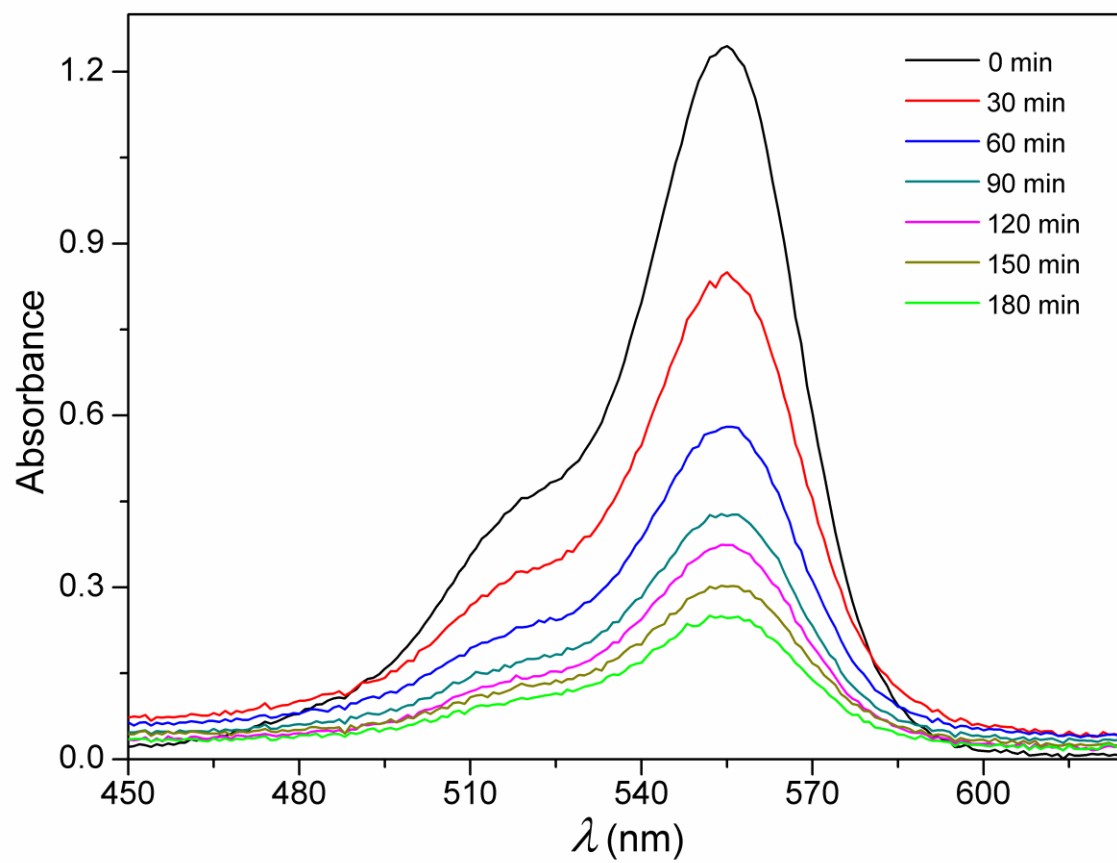
Dihydroxo-bridged diuranyl(VI) complexes with 2-((2-(6-chloropyridazin-3-yl)hydrazono)methyl)-4-R-phenols: Structural insight and visible light driven photocatalytic activities

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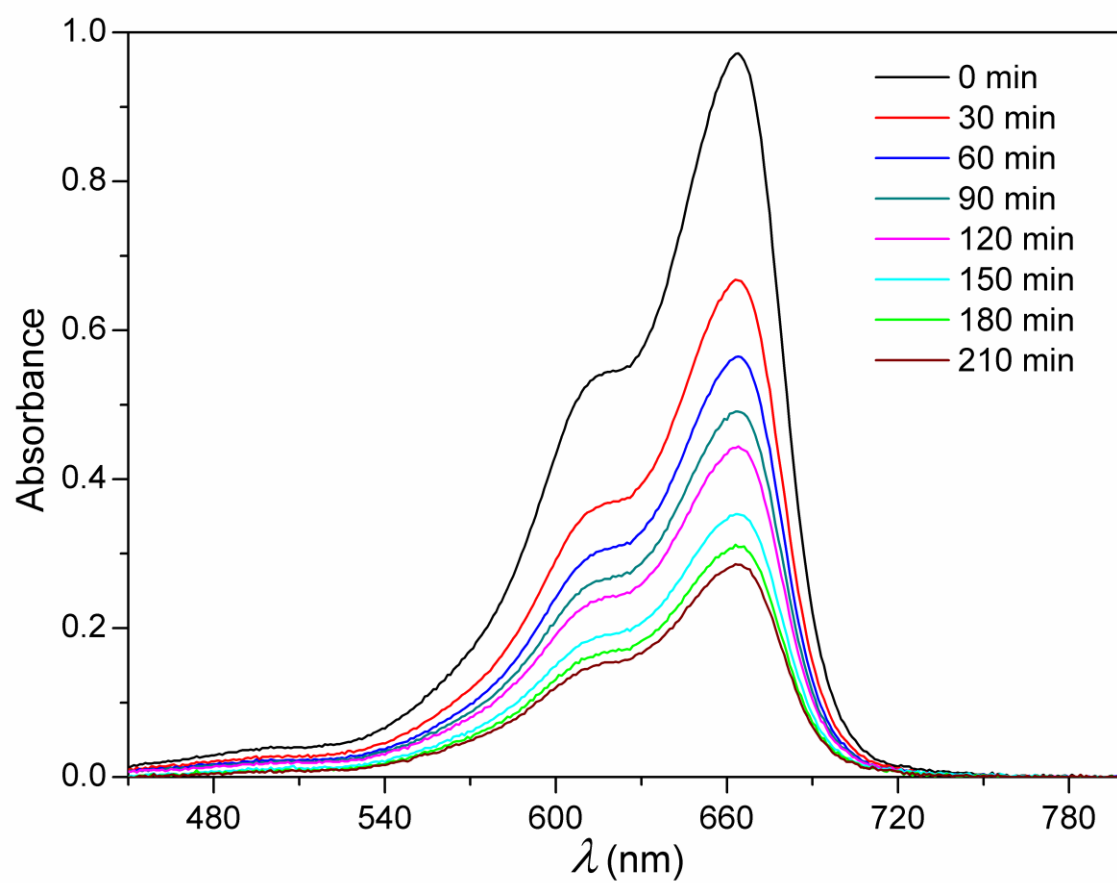
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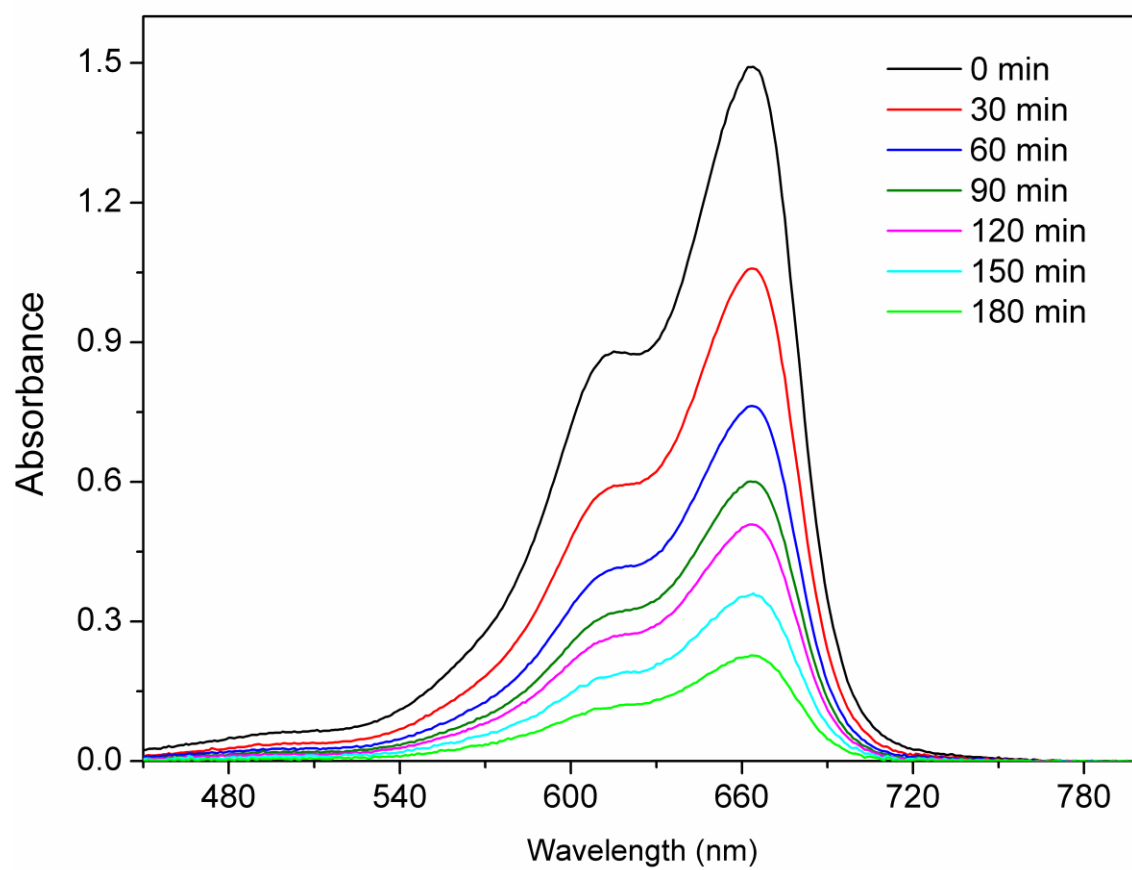
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**Fig. S1** Photodegradation of Rhodamine B (RhB) under visible light irradiation in presence of  $[(\text{UO}_2)_2(\mu\text{-OH})_2(\text{L}^1)_2]$  (**1**) as catalyst.



**Fig. S2** Photodegradation of Methylene Blue (MB) under visible light irradiation in presence of  $[(\text{UO}_2)_2(\mu\text{-OH})_2(\text{L}^1)_2]$  (**1**) as catalyst.



**Fig. S3** Photodegradation of Methylene Blue (MB) under visible light irradiation in presence of  $[(\text{UO}_2)_2(\mu\text{-OH})_2(\text{L}^2)_2]$  (**2**) as catalyst.