

Supporting Information

Monomeric bowl-like pyrogallol[4]arene Ti₁₂ complex

Kongzhao Su,^a Mingyan Wu,^a Yanxi Tan,^a Wenjing Wang,^{a,b} Daqiang Yuan^{*a} and

Maochun Hong^a

^a State Key Laboratory of Structural Chemistry, Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences, Fuzhou, 350002, China

^b University of the Chinese Academy of Sciences, Beijing, 100049, China.

● Corresponding author:

E-mail: ydq@fjirsm.ac.cn.

Tel: +86-591-63173104

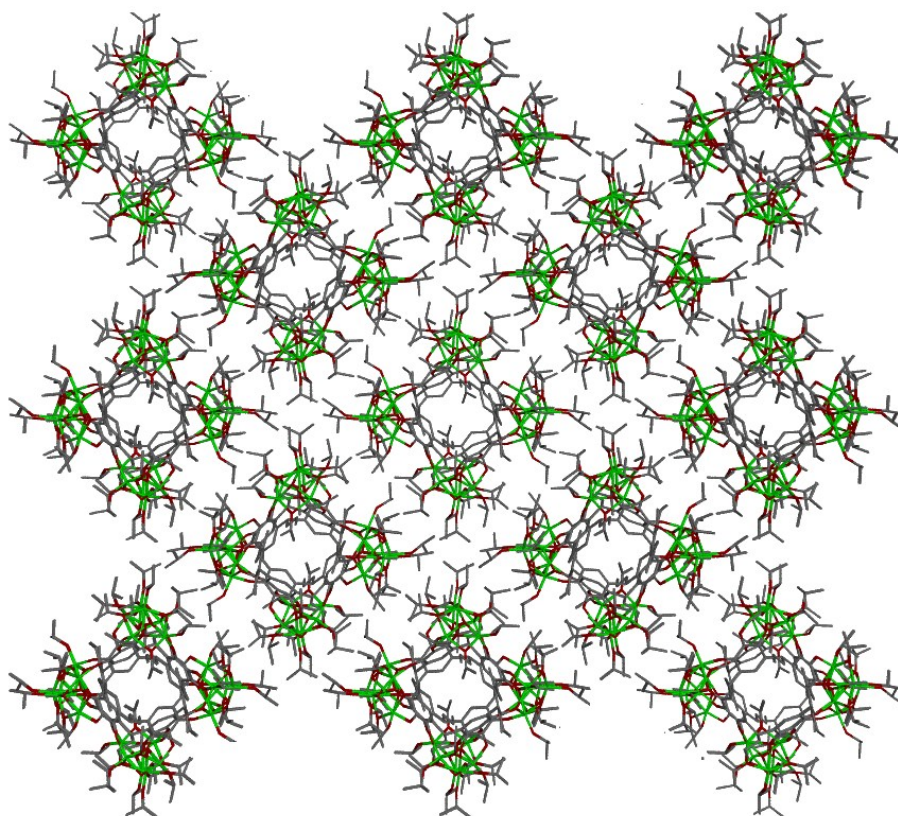


Figure S1. Extended structure of $\text{Ti}_{12}\text{PgC}_3$ showing self-assembly into a skewed bilayer structure stacked by the $\text{Ti}_{12}\text{PgC}_3$ clusters view along the a axis.

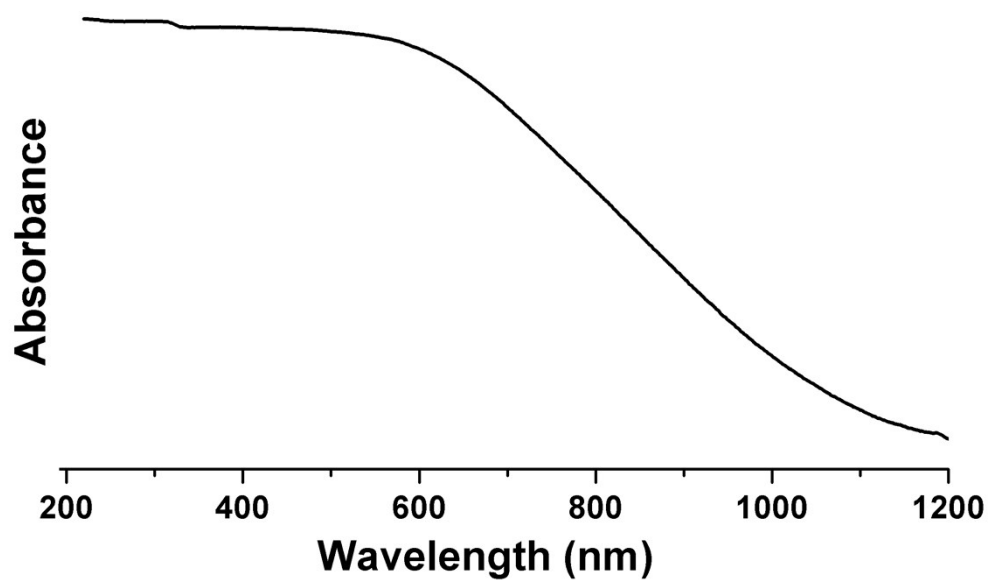


Figure S2. The solid-state absorption spectrum of $\text{Ti}_{12}\text{PgC}_3$.

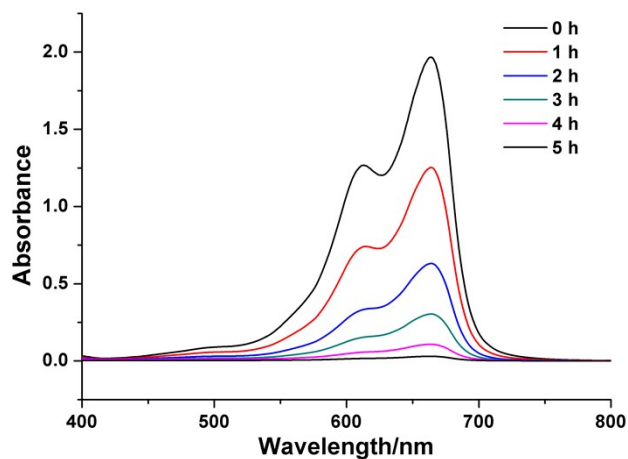


Figure S3. The temporal UV-Vis absorption spectrum changes of MB aqueous solutions for Ti₁₂PgC₃.

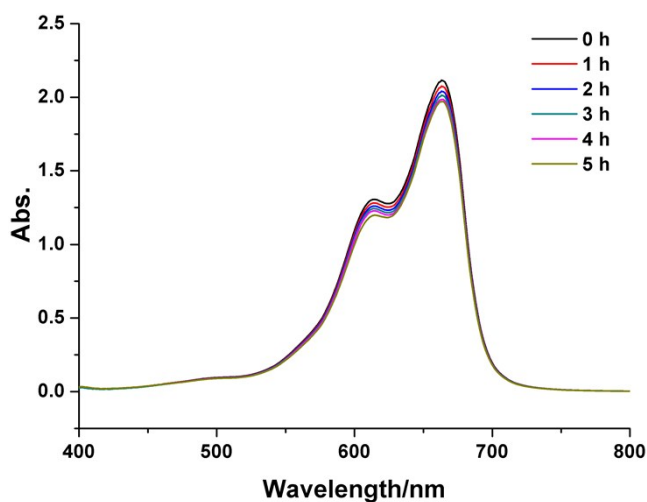


Figure S4. The temporal UV-Vis absorption spectrum changes of MB aqueous solutions for the blank experiment.

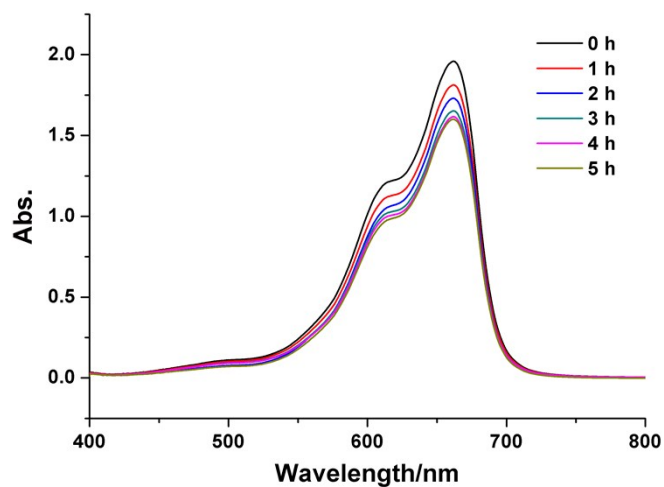


Figure S5. The temporal UV-Vis absorption spectrum changes of MB aqueous solutions for P25.