

Supporting Information

Hydrothermal Synthesis of Magnesium Vanadate Functionalized Reduced Graphene Oxide Nanocomposite for Efficient Photocatalytic Hydrogen Production

Fahad A Alharthi*, Adel El Marghany, Naaser A. Y. Abduh, Imran Hasan*

Department of Chemistry, College of Science, King Saud University, Riyadh-11451, KSA

Email: fharthi@ksu.edu.sa

Email: amarghany@ksu.edu.sa

Email: 439106262@student.ksu.edu.sa

Email: iabdulateef@ksu.edu.sa Contact: +966-507976713

Corresponding authors

Imran Hasan (I.H.) Email: iabdulateef@ksu.edu.sa Contact: +966-507976713

Fahad A Alharthi (F.A.A.) Email: fharthi@ksu.edu.sa

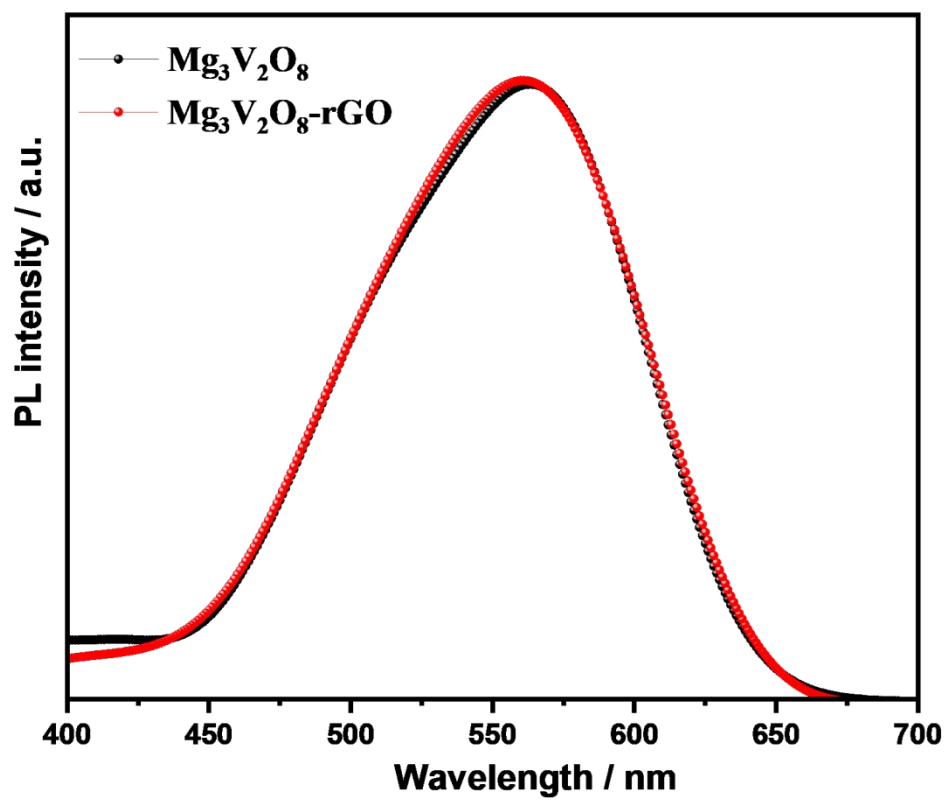


Figure S1. PL spectra of $\text{Mg}_3\text{V}_2\text{O}_8$ (black) and $\text{Mg}_3\text{V}_2\text{O}_8\text{-rGO}$ (red) composite.

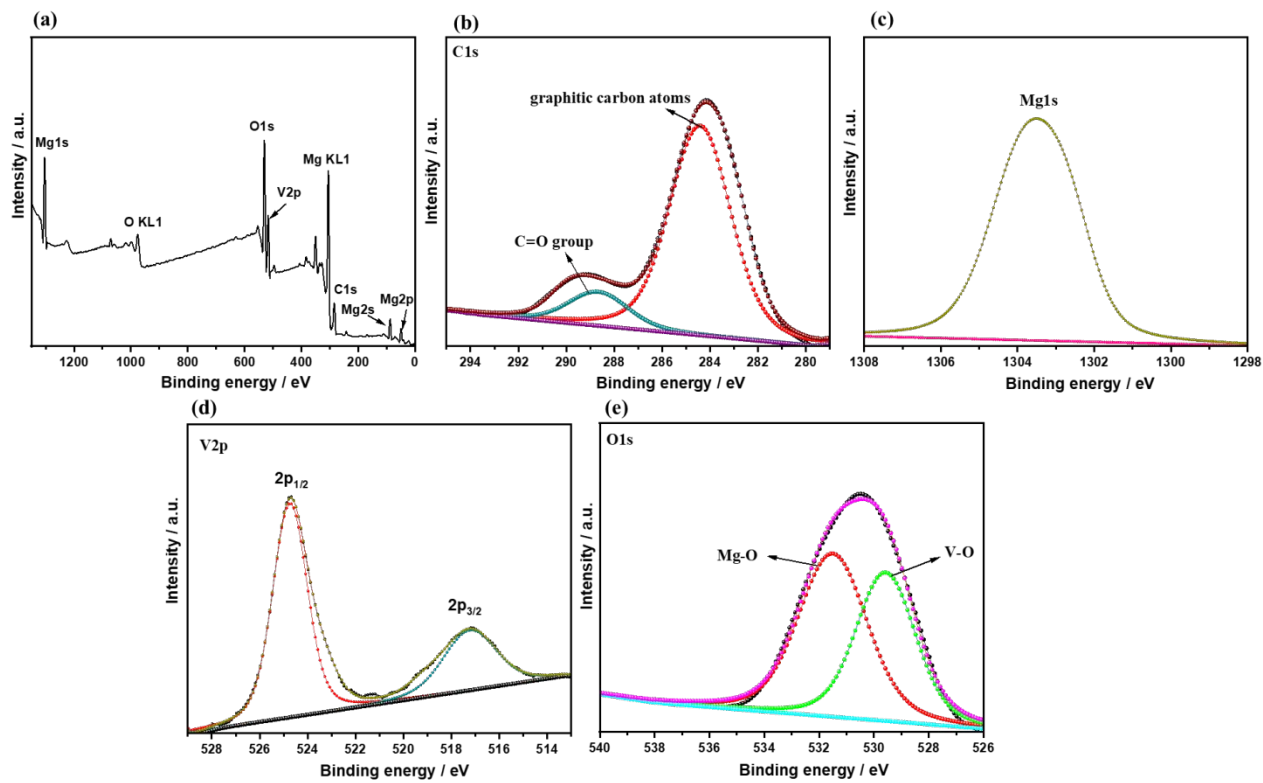


Figure S2. XPS survey scan of $\text{Mg}_3\text{V}_2\text{O}_8\text{-rGO}$ (a) composite. High resolution XPS C1s (b), Mg1s (c), V2p (d) and O1s (e) of $\text{Mg}_3\text{V}_2\text{O}_8\text{-rGO}$ composite.