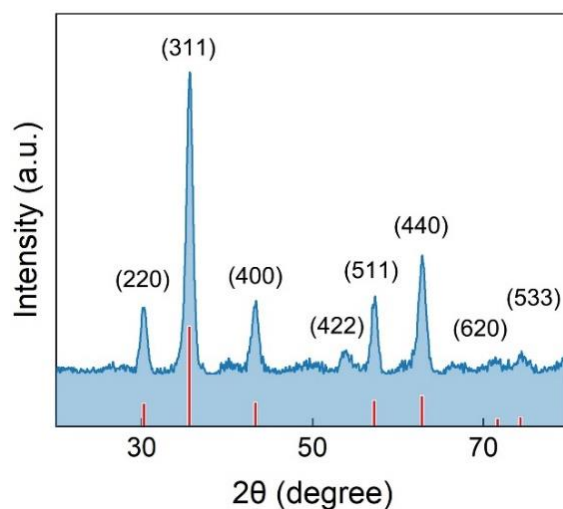
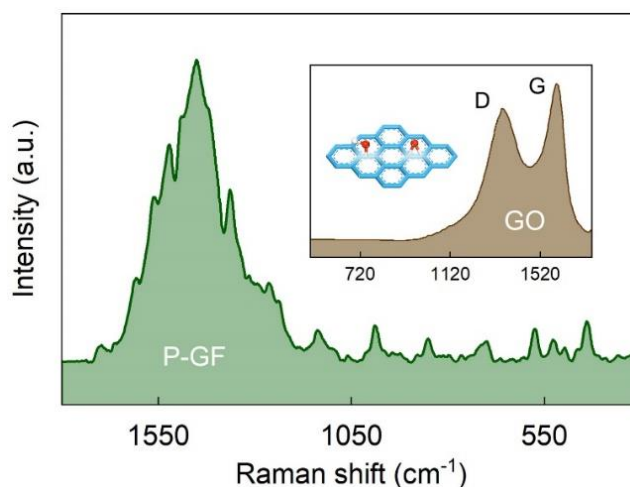


Supporting Information

Oxidative Molecular Layer Deposition Tailoring Eco-Mimetic Nanoarchitecture to Manipulate Electromagnetic Attenuation and Self-Powered Energy Conversion

Jin-Cheng Shu¹, Yan-Lan Zhang¹, Yong Qin², Mao-Sheng Cao^{1,*}¹School of Materials Science and Engineering, Beijing Institute of Technology, Beijing 100081, P. R. China²Chinese Acad Sci, Inst Coal Chem, State Key Lab Coal Convers, 27 Taoyuan South Rd, Taiyuan 030001, Shanxi, P. R. China*Corresponding author. E-mail: caomaosheng@bit.edu.cn (Mao-Sheng Cao)

Supplementary Figures

**Fig. S1** XRD pattern of GF composite**Fig. S2** Raman spectrum of P-GF eco-mimetic nanoarchitecture. Inset is the Raman spectrum and model of GO

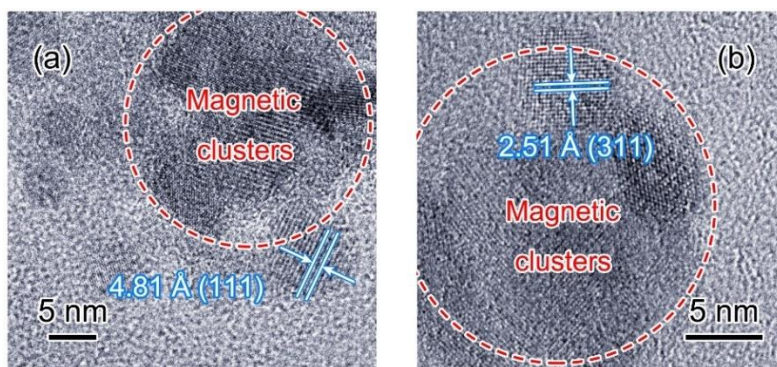


Fig. S3 HR-TEM images of P-GF eco-mimetic nanoarchitecture