

Electrochemiluminescence Detection of *Escherichia coli* O157:H7 Based on Mesoporous Ca-Doped MgAl₂O₃-G-SiO₂ Biosensor

*Ze-da Meng*⁴, *Chong-Hun Jung*³ & *Won-Chun Oh*^{1, 2*}

¹ *Department of Advanced Materials Science & Engineering, Hanseo University, Seosan-si, Chungnam, Korea, 31962*

² *Anhui International Joint Research Center for Nano Carbon-based Materials and Environmental Health, College of Materials Science and Engineering, Anhui University of Science & Technology, Huainan 232001, PR China*

³ *Decommissioning Technology Research Division, Korea Atomic Energy Research Institute, P.O. Box 105, Yuseong, Daejeon, Korea, 305-600*

⁴ *School of Chemistry and Life Science, Suzhou University of Science and Technology, Suzhou 215009, China*

*Corresponding author

E-mail: wc_oh@hanseo.ac.kr

Tel: +82-41-660-1337, Fax: +82-41-688-3352

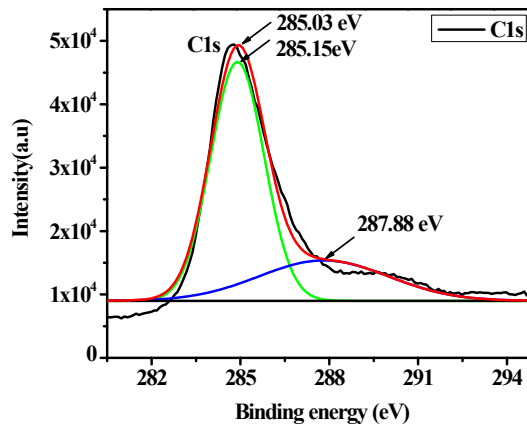
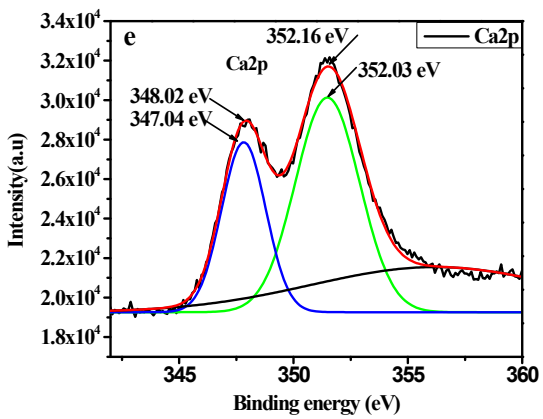
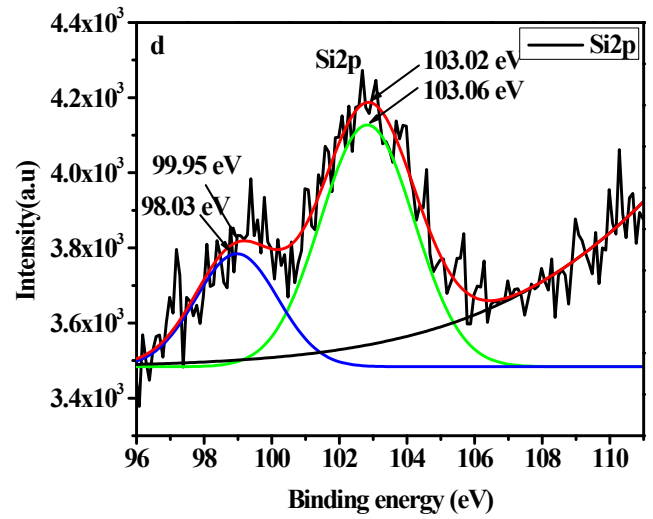
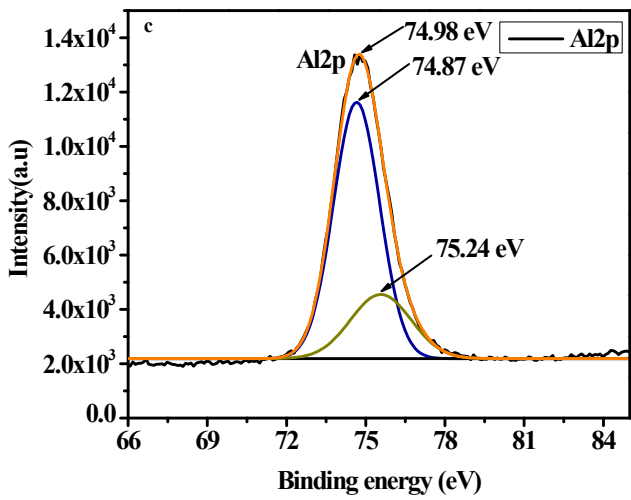
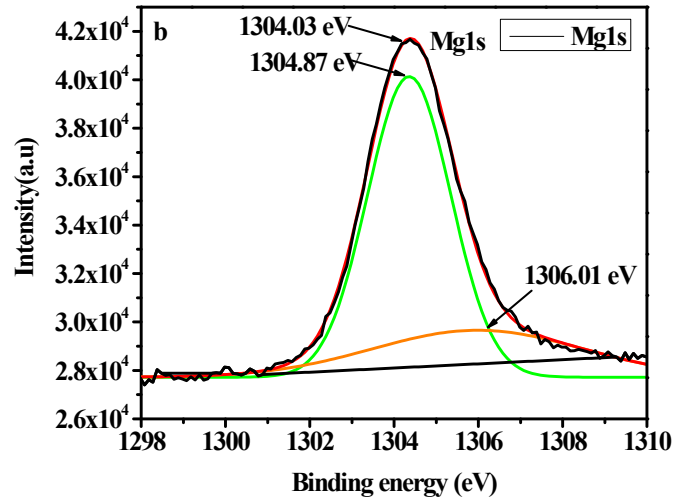
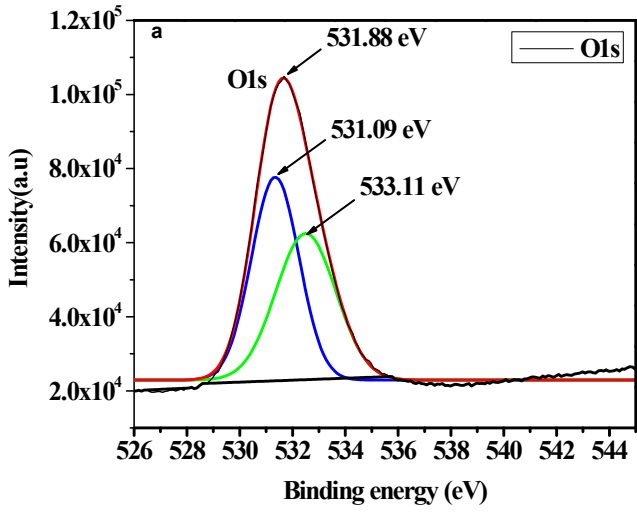


Fig.S1. (a) XPS spectra of O1s, (b) Mg1s, (c) Al2p, (d) Si2p, (e) Ca2p, (f) C1s.