Electronic Supplementary Material (ESI) for Catalysis Science & Technology.
This journal is © The Royal Society of Chemistry 2020

Electronic Supplementary Information for

In-situ anodic dissolution-cathodic deposition route for preparation of Pt-$SiW_{11}Co/SiW_{11}Co$-CNP/GC electrode: Application as an efficient electrode for hydrogen evolution reaction

Reihaneh Hashemniaye-Torshizi,[a] Narges Ashraf,*[a] Mohammad Hossein Arbab-Zavar,[a] and Somayeh Dianat[b]

[a] *Department of Chemistry, Faculty of Science, Ferdowsi University of Mashhad, Mashhad, Iran*

[b] *Department of Chemistry, Faculty of Sciences, University of Hormozgan, Bandar Abbas 71961, Iran*

*Corresponding author

E-mail: ashraf-n@um.ac.ir

Content **Page**

EDX profiles and the elemental mapping images of $SiW_{11}Co$-CNP/GC ……..…...2

EDX profiles and the elemental mapping images of Pt-$SiW_{11}Co/SiW_{11}Co$-CNP/GC …3

EDX profiles and the elemental mapping images of Pt-$SiW_{11}Co$/GC …….4

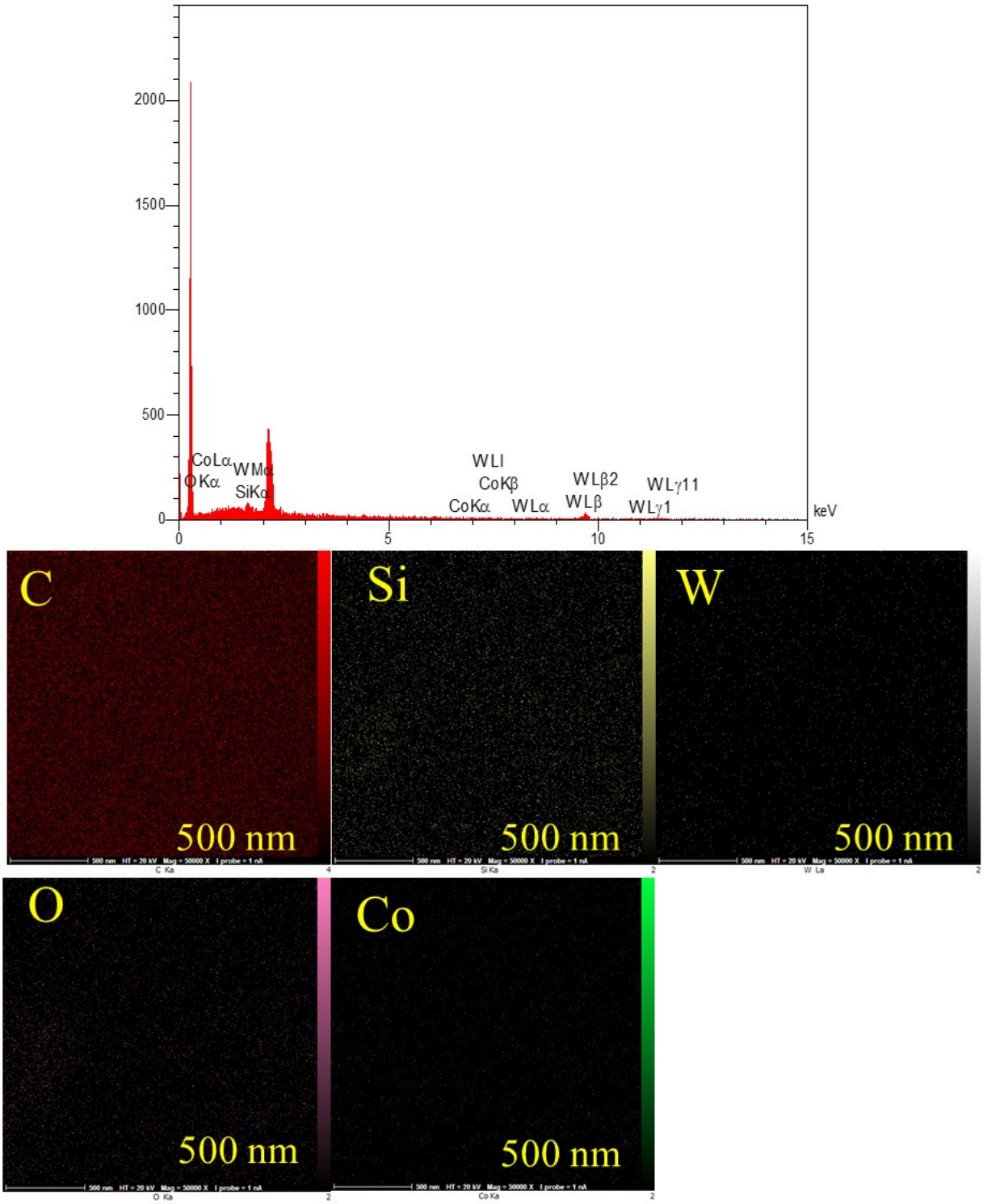

Fig. S1. EDX profiles and the elemental mapping images of $SiW_{11}Co$-CNP/GC

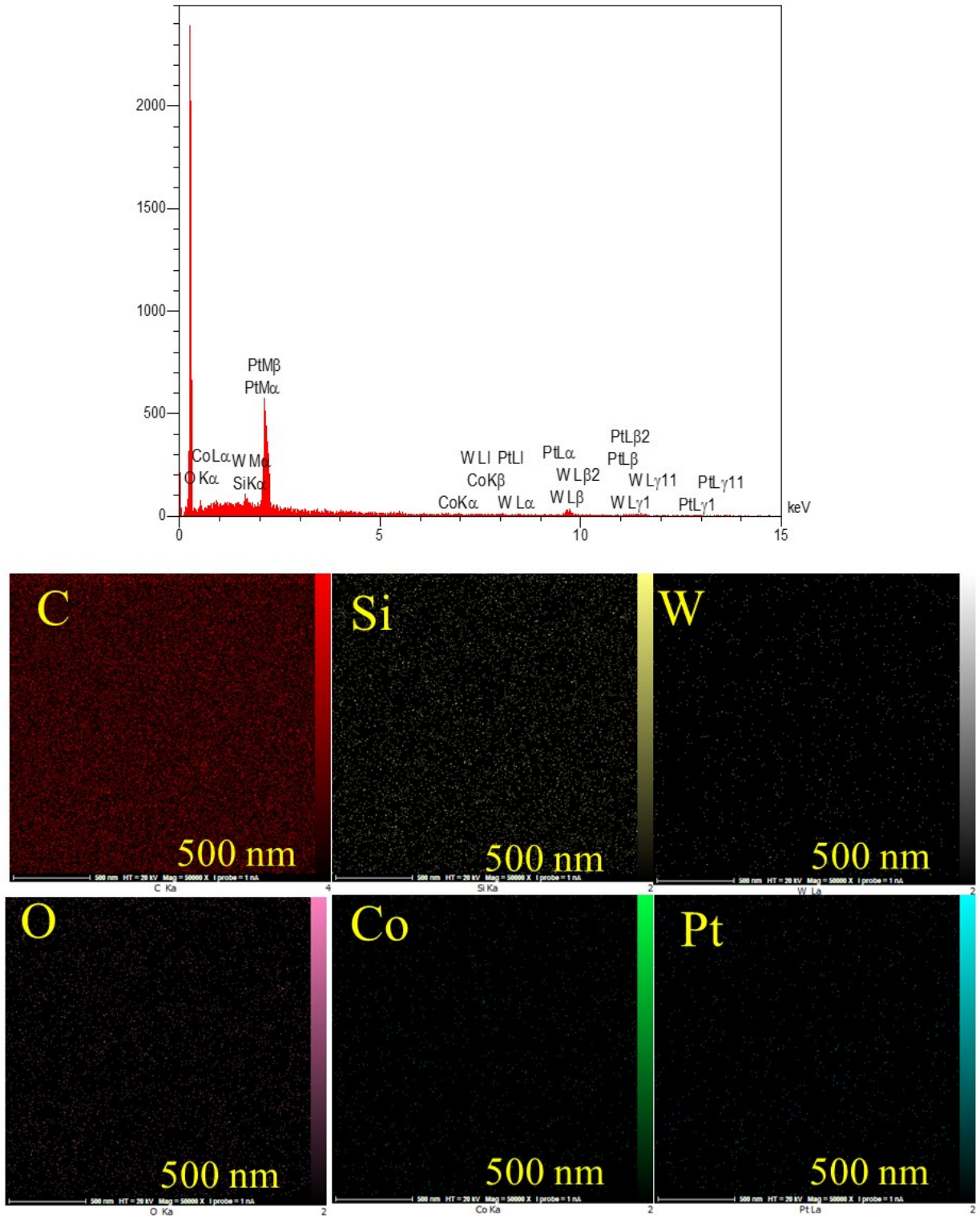

Fig. S2. EDX profiles and the elemental mapping images of Pt-$SiW_{11}Co/SiW_{11}Co$-CNP/GC

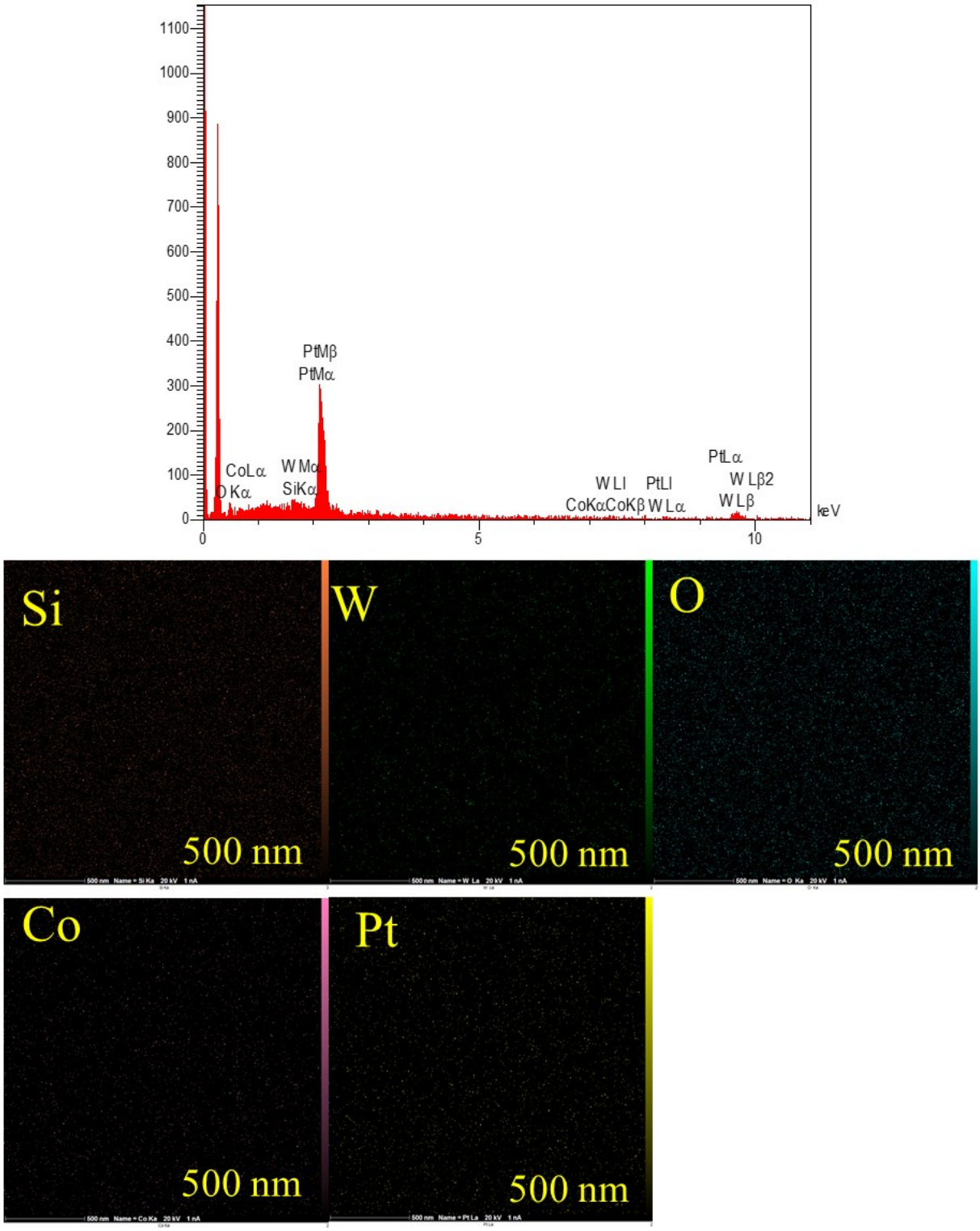

Fig. S3. EDX profiles and the elemental mapping images of Pt-$SiW_{11}Co$/GC