BEILSTEIN JOURNAL OF NANOTECHNOLOGY

Supporting Information

for

Photoelectrochemical water oxidation over TiO_2 nanotubes modified with MoS_2 and g-C_3N_4

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Beilstein J. Nanotechnol. **2022,** *13,* 1541–1550. doi:10.3762/bjnano.13.127

Additional figures

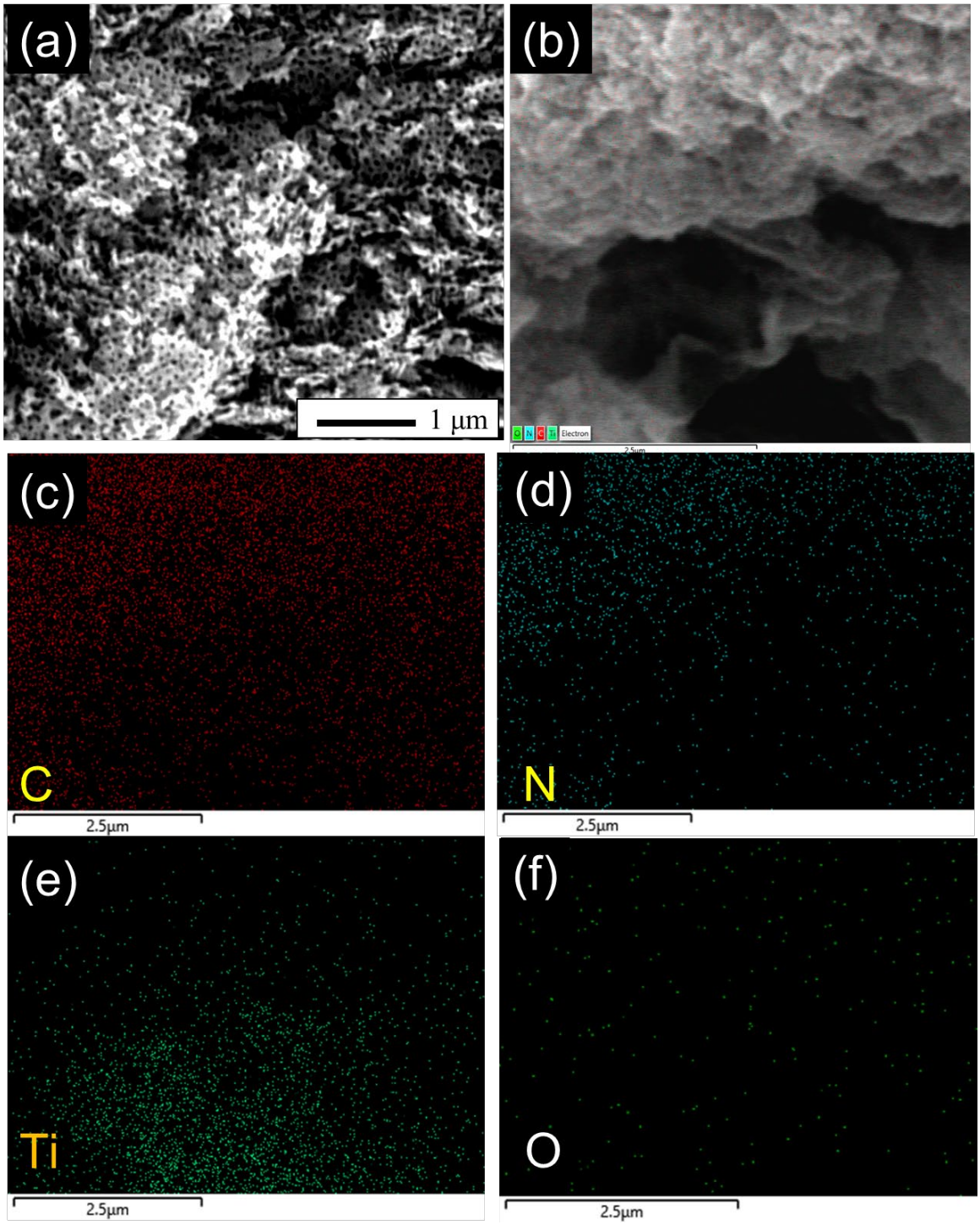

Figure S1: Characterization of g-C_3N_4/TNAs materials: (a) SEM image, (b) EDS layered image, and (c–f) element mapping.

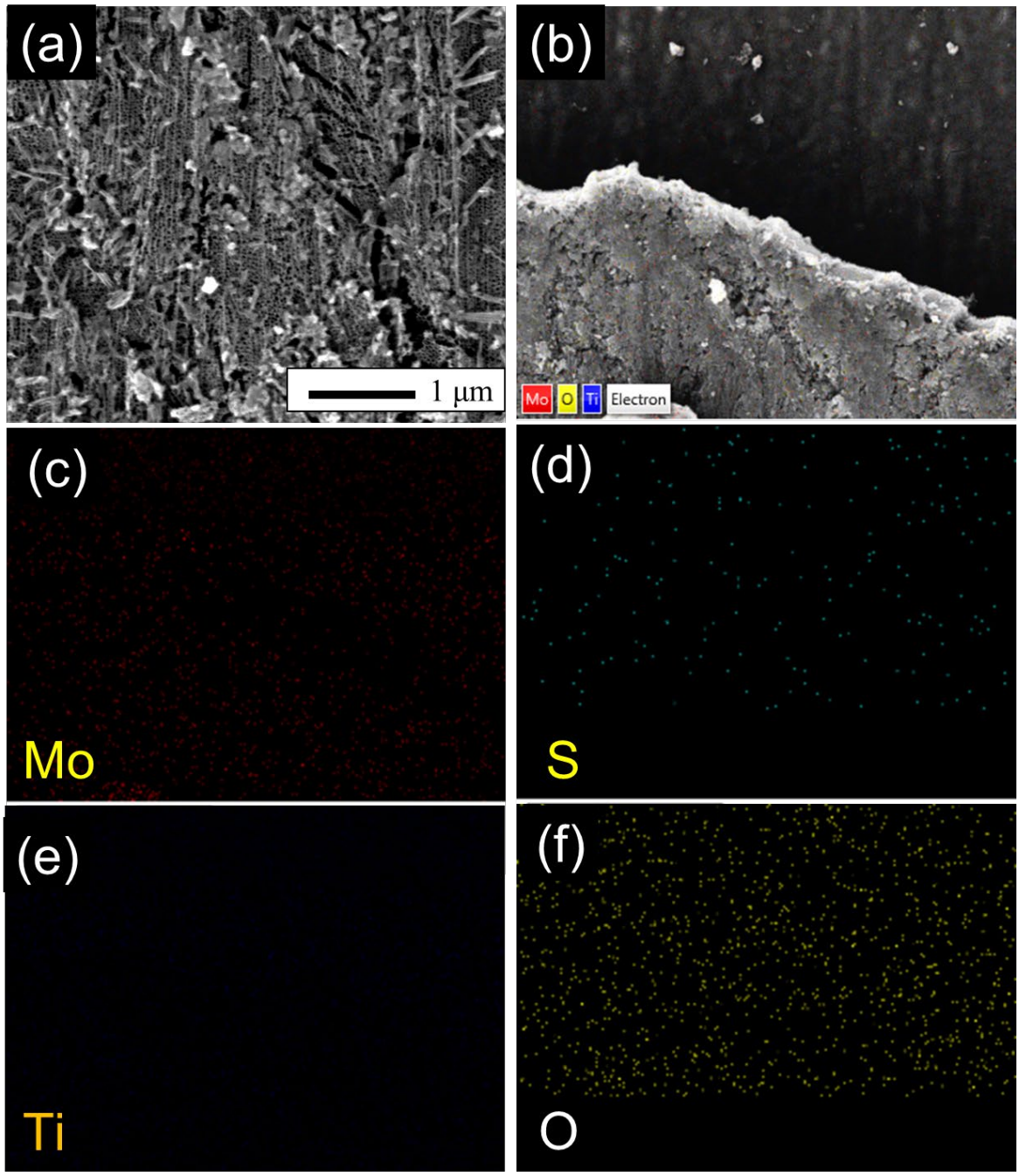

Figure S2: Characterization of MoS_2/TNAs materials: (a) SEM image, (b) EDS layered image, (c–f) and element mapping.

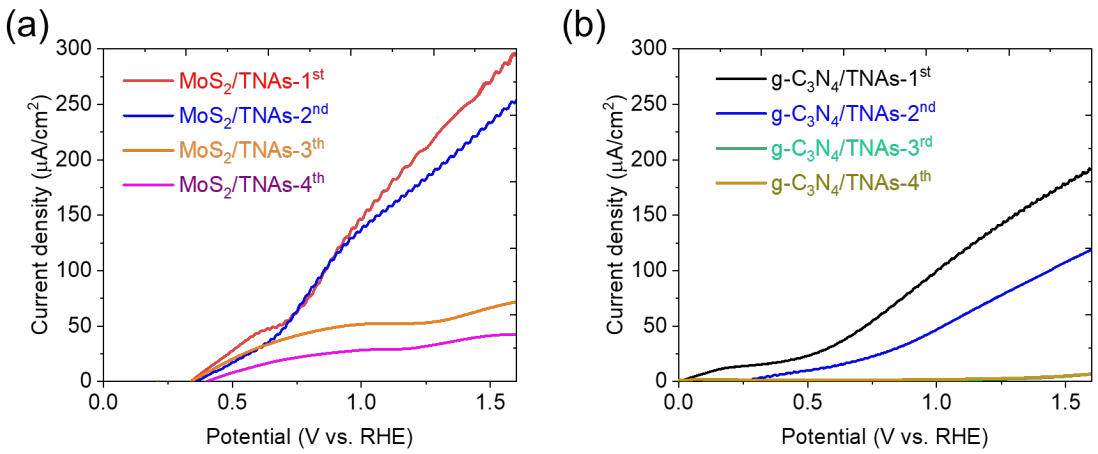

Figure S3: Stability of the MoS_2/TNAs and g-C_3N_4/TNAs heterojunction. After every PEC test cycle, the PEC electrode is immersed in DI water for 1 h and after that it is dried completely before the next test.