

## Supporting Information

For

### Environment-dependent degradation pathways of pure zinc induced by acid– alkali surface chemistry

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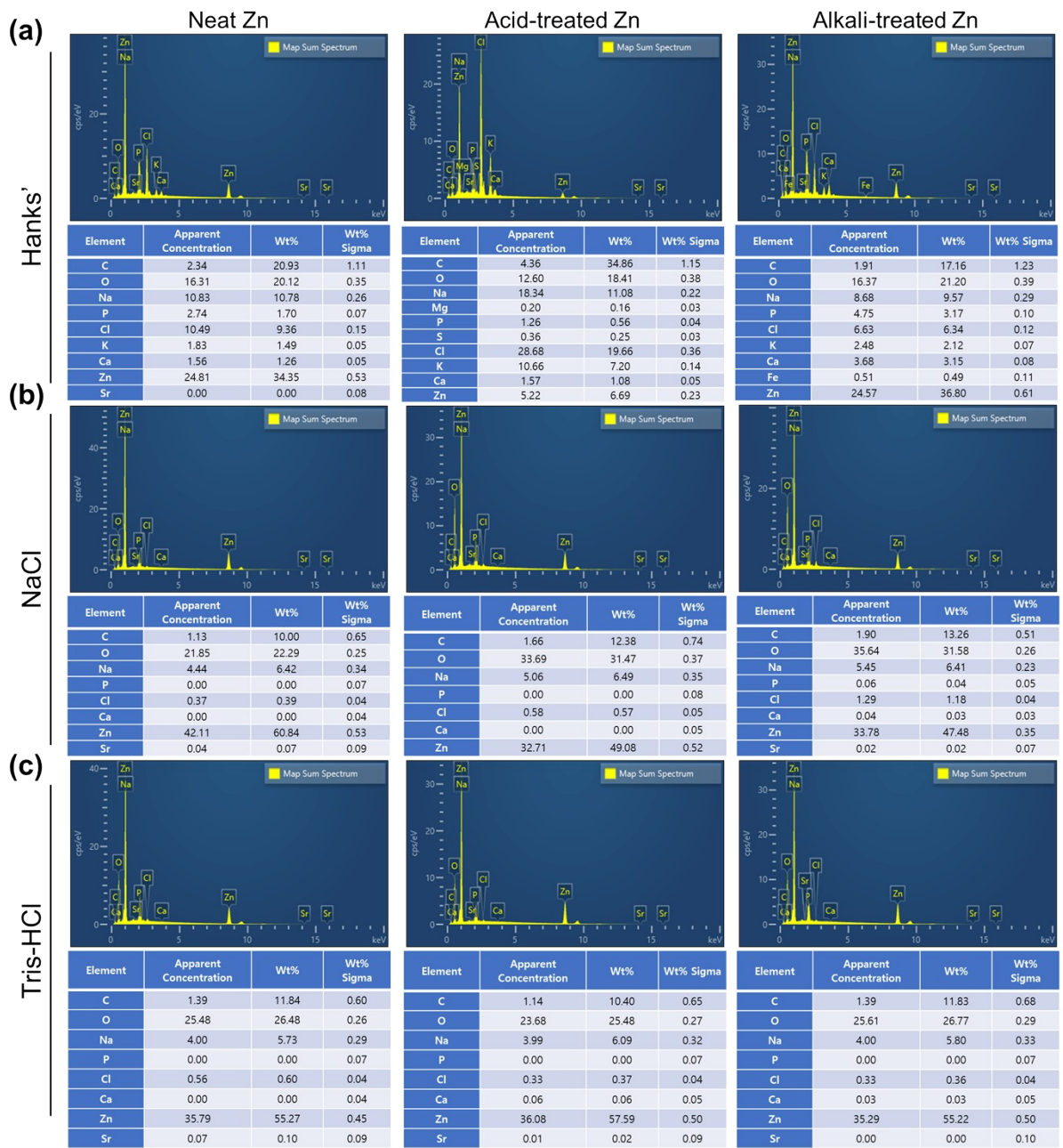
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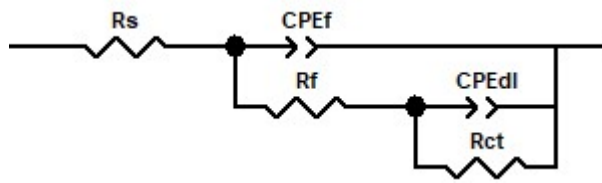
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**Fig. S1.** SEM-EDX profiles and element composition of neat (untreated) and chemically treated Zn samples after immersion for 28 days at 37°C in the (a) HBSS, (b) NaCl, (c) Tris-HCl.



**Figure S2.** The equivalent electrical circuit model.