

Supplementary Materials

Corrosion Behavior and Microstructure of Stir Zone in Fe-30Mn-3Al-3Si Twinning-Induced Plasticity Steel after Friction Stir Welding

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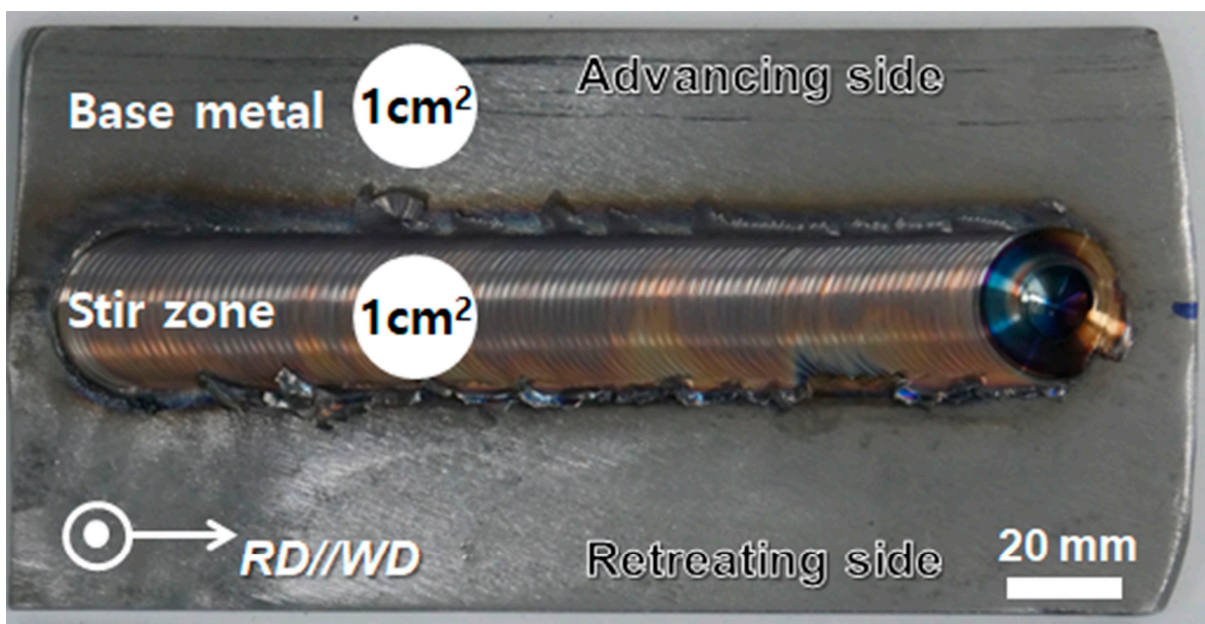
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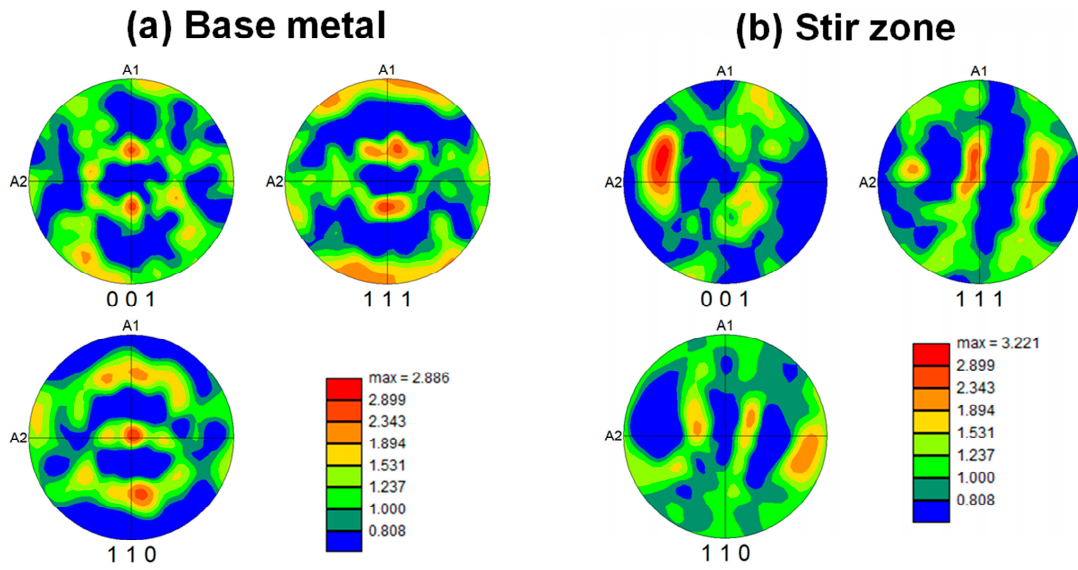
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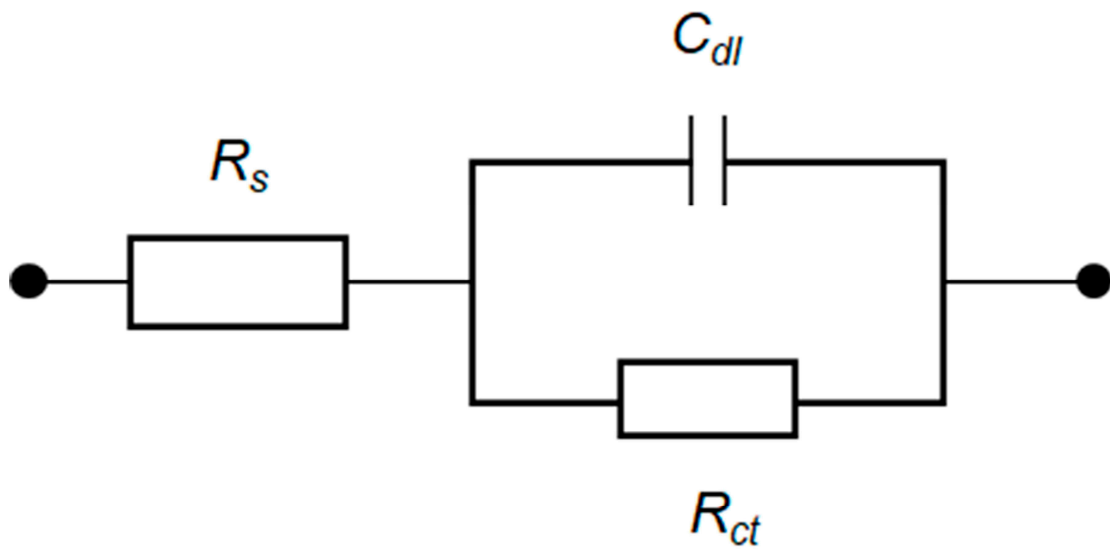
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Supplementary Material 1. Optical micrograph of the friction-stir-welded Fe-30Mn-3Al-3Si (wt.%) twinning-induced plasticity (TWIP) steel sheet and both base metal and stir zone samples milled area for the corrosion tests. RD: rolling direction; WD: welding direction.



Supplementary Material 2. Pole figures of (a) base metal and (b) stir zone in Fe-30Mn-3Al-3Si (wt.%) TWIP steel.



Supplementary Material 3. Selected model of equivalent electrical circuit used to fit impedance data.