## **Accepted Manuscript**

Crystal structure refinement of the  $\Gamma$ - and  $\Gamma_1$ -Phase compounds in the Fe-Zn system and orientation relationships among  $\alpha$ -Fe,  $\Gamma$  and  $\Gamma_1$  phases in the coating layer of galvannealed steel

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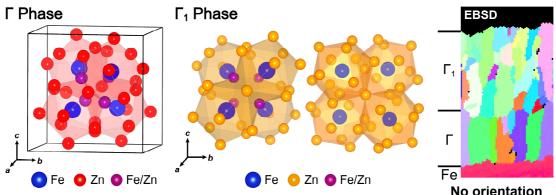
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## ACCEPTED MANUSCRIPT



No orientation Common Structural Unit: Fe@Zn<sub>12</sub> and/or Fe@(Zn,Fe)<sub>12</sub> relationship

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