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Research Areas

Construction and Manufacturing, Testing and Control of Materials, Mechanical Properties, Joining and Cutting, Nondestructive Testing, Intermetallics, Metallic Materials

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimizing Advanced High-Strength Steel Joints via Regional Rapid Cooling in Resistance Spot Welding**
Hidiroglu M., Aydin K., Kahraman N.
STEEL RESEARCH INTERNATIONAL, 2024 (SCI-Expanded)
- II. **Enhancing weld strength in high-strength steels: The role of regional preheating in RSW**
AYDIN K., Hidiroglu M., Kahraman N.
Materialprüfung/Materials Testing, vol.66, no.3, pp.328-346, 2024 (SCI-Expanded)