

Öğr. Gör. Dr. KEMAL AYDIN

Kişisel Bilgiler

İş Telefonu: [+90 046 237 7364](tel:+900462377364) Dahili: 1

E-posta: kemalaydin@ktu.edu.tr

Web: <https://avesis.ktu.edu.tr/kemalaydin>

Posta Adresi: Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü 61080, TRABZON

Araştırma Alanları

Konstrüksiyon ve İmalat, Malzeme Testi ve Kontrolü, Mekanik Özellikler, Birleştirme, Tahribatsız Muayeneler, İntermetalikler, Metalik Malzemeler

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Effects of Temperature and Time on the Diffusion Bonding of 316L Stainless Steel and H13 Hot Work Tool Steel**
AYDIN K., YILDIRIM M. S., Kaya Y.
STEEL RESEARCH INTERNATIONAL, 2024 (SCI-Expanded)
- II. **Optimizing Advanced High-Strength Steel Joints via Regional Rapid Cooling in Resistance Spot Welding**
Hidiroglu M., Aydin K., Kahraman N.
STEEL RESEARCH INTERNATIONAL, cilt.95, sa.9, 2024 (SCI-Expanded)
- III. **Enhancing weld strength in high-strength steels: The role of regional preheating in RSW**
AYDIN K., Hldiroglu M., Kahraman N.
Materialpruefung/Materials Testing, cilt.66, sa.3, ss.328-346, 2024 (SCI-Expanded)
- IV. **Optimizing Advanced High-Strength Steel Welds: The Role of Regional Pre-heating in the Heat-Affected Zone**
AYDIN K., Kahraman N.
Journal of Materials Engineering and Performance, 2024 (SCI-Expanded)
- V. **Characterization of the Welding Zone of Automotive Sheets of Different Thickness (DP600 and DP800) Joined by Resistance Spot Welding**
Aydin K., Hidiroglu M., Kahraman N.
TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS, cilt.75, sa.5, ss.1279-1291, 2022 (SCI-Expanded)
- VI. **An investigation into the joining of titanium with copper through diffusion welding/bonding**
Titanyum ve bakir malzemelerin difüzyon kaynak yöntemi ile birleştirilebilirliğinin araştırılması
Aydin K., Hidiroğlu M., Kaya Y., Kahraman N.
Journal of the Faculty of Engineering and Architecture of Gazi University, cilt.28, sa.1, ss.15-26, 2013 (SCI-Expanded)
- VII. **Experimental study of diffusion welding/bonding of titanium to copper**
Aydin K., Kaya Y., Kahraman N.
MATERIALS & DESIGN, cilt.37, ss.356-368, 2012 (SCI-Expanded)