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Education Information

Doctorate, Montanuniversitaet, Ins. Für Metallkunde Und Werkstoffprüfung, Austria 1994 - 1998

Postgraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 1990 - 1992

Undergraduate, Yıldız Üniversitesi, Mühendislik Fakültesi, Metalurji Mühendisliği Bölümü, Turkey 1986 - 1990

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Thermal Treatment, Material Characterization, Structure-Property Relationship, Engineering and Technology

Academic Titles / Tasks

Professor, Yıldız Technical University, Kimya Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği, 2010 - Continues

Academic and Administrative Experience

Yıldız Teknik Üniversitesi, Kimya Metalurji Fakültesi, 2005 - 2010

Supervised Theses

Karaaslan A., Paslanmaz Çeliklerin Kaynak Kabiliyetleri ve Oluşabilecek Kaynak Hataları, Postgraduate, O.ÖZSAVANER(Student), 2019

Karaaslan A., Bimetal Kompozitlerin Metal Talaşlarıyla Üretimi ve Karakterizasyonu, Doctorate, R.GECÜ(Student), 2019

KARAASLAN A., Fotovoltaik Uygulamalar İçin Sıçratma Yöntemi İle Üretilen ZnO İnce Filmlerde Katkı Elementlerinin Etkisi, Postgraduate, Ü.Mustafaoğlu(Student), 2017

KARAASLAN A., Galyum Katkılı Çinko-Oksit İnce Filmlerin Özelliklerine Sıçratma Gücünün ve Kaplama Sonrası Uygulanan Isıl İşlemin Etkileri, Postgraduate, B.Handem(Student), 2017

KARAASLAN A., Alüminyum Ekstrüzyonunda Kullanılan Sıcak İş Takım Çeliğinin Bor-Nitrür İle Kaplanması, Postgraduate, Y.Akça(Student), 2017

KARAASLAN A., AA7075 Alaşımında Yaşlandırma ve RRA İşlemleri İle Özellik Değişimlerinin İncelenmesi, Doctorate, G.Özer(Student), 2017

KARAASLAN A., Değişik Oranlarda SiC İçeren Alüminyum Matrisli Kompozitlerin Birleştirilmesi, Postgraduate,

Ç.Engin(Student), 2016

KARAASLAN A., Otomotiv Sektöründeki Birleştirmelerde Seçilen Kaynak Parametreleri Ve Kullanılan Teknolojiler: Geleneksel Yöntemler Ve Laser Tekniği, Postgraduate, C.Yeşildal(Student), 2016

KARAASLAN A., Dupleks Paslanmaz Çelikteki Sigma Ve Chi Fazlarının Ergitme Kaynağındaki Oluşum Mekanizmalarının Modelleme İle Saptanması, Postgraduate, S.Gürel(Student), 2016

KARAASLAN A., Takım Malzemelerinde Aşınma Hasarlarını Önleyecek İşlemler ve Yağlayıcıların Belirlenmesi, Postgraduate, O.Aydoğan(Student), 2016

KARAASLAN A., Dupleks Paslanmaz Çeliklerin Kaynağında Isıl Girdilerin Modellenmesi ve Deneysel Verilerin Eldesi, Doctorate, A.Kısaöz(Student), 2016

KARAASLAN A., Sıcak İş Takım Çeliklerinin Elastikliğine Isıl İşlemlerin Etkisi, Postgraduate, A.Kısaöz(Student), 2016

KARAASLAN A., Kısa Fiber Takviyeli Polimer Matrisli Kompozitlerin Enjeksiyon Yöntemi İle Üretimi, Postgraduate, Ş.Sabancı(Student), 2016

KARAASLAN A., Dupleks Paslanmaz Çelikte Oluşan Sigma Ve Chi Fazlarının Oluşum Mekanizmalarının Farklı Isıl İşlem Parametreleriyle Saptanması, Postgraduate, S.Akpınar(Student), 2015

KARAASLAN A., Yüksek Hız Takım Çeliklerinde Uygulanan Isıl İşlemler Ve Elde Edilen Özellikler Arasındaki İlişkilerin Fiziksel Metalurjik Yönden İncelenmesi, Postgraduate, G.Orkun(Student), 2012

KARAASLAN A., Al 7075 Alaşımının Şekillenme ve Isıl İşleme Özelliklerinin İyileştirilmesi, Postgraduate, I.Kaya(Student), 2005

KARAASLAN A., Silisyum Karbür Takviyeli Alüminyum Matrisli Kompozitlerin Toz Metalurjisi Yöntemi Ve Döküm Yöntemiyle Üretilmesi, Postgraduate, G.Yanıkçı(Student), 2004

KARAASLAN A., Titanyum ve Alaşımlarının Tungsten Inert Gaz (TIG) Kaynağı, Postgraduate, A.Ekmekçioğlu(Student), 2003

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Precipitation of carbides in a nickel-based cast heat-resistant alloy during thermal exposure: Evolution of microstructure, hardness and corrosion properties**
Öztürk K., Kısaöz A., Özer G., Karaaslan A.
Materialprüfung/Materials Testing, vol.65, no.2, pp.233-243, 2023 (SCI-Expanded)
- II. **Volume fraction effect of stainless steel on microstructure, interface, corrosion and wear behavior of stainless steel / aluminum bimetal composites**
GECÜ R., KARAASLAN A.
Materials Chemistry and Physics, vol.284, 2022 (SCI-Expanded)
- III. **Microstructure, mechanical and corrosion properties of nickel superalloy weld metal**
Kısaöz A., TÜMER M., KARAASLAN A.
MATERIALS TESTING, vol.63, no.10, pp.895-900, 2021 (SCI-Expanded)
- IV. **INVESTIGATION OF THE EFFECTS OF DIFFERENT RETROGRESSION AND RE-AGING PARAMETERS APPLIED TO THE 7075 ALLOY ON THE MICRO-ARC OXIDATION PROCESS**
Yılmaz M. S., Özer G., ŞAHİN O., KARAASLAN A.
SURFACE REVIEW AND LETTERS, vol.28, no.09, 2021 (SCI-Expanded)
- V. **Microstructure, wear and corrosion characteristics of multiple-reinforced (SiC-B4C-Al2O3) Al matrix composites produced by liquid metal infiltration**
Öztürk K., Gecü R., Karaaslan A.
CERAMICS INTERNATIONAL, vol.47, no.13, pp.18274-18285, 2021 (SCI-Expanded)
- VI. **A Study on the Effects of Different Heat Treatment Parameters on Microstructure-Mechanical Properties and Corrosion Behavior of Maraging Steel Produced by Direct Metal Laser Sintering (DMLS)**
Özer G., Karaaslan A.
Steel Research International, vol.91, no.10, pp.1-8, 2020 (SCI-Expanded)
- VII. **Casting temperature dependent wear and corrosion behavior of 304 stainless steel reinforced A356**

aluminium matrix bimetal composites fabricated by vacuum-assisted melt infiltration casting

Gecü R., Karaaslan A.

WEAR, vol.446, 2020 (SCI-Expanded)

- VIII. **Influence of the phase balance and cooling conditions on the microstructure and corrosion behavior of solution-treated 1.4462 duplex stainless steel**
Yalçiner G., Özer G., Kisasöz A., Karaaslan A.
MATERIALS RESEARCH EXPRESS, vol.6, no.12, 2019 (SCI-Expanded)
- IX. **Cooling slope casting of AA7075 alloy combined with reheating and thixoforging**
Güler K. A., Kisasöz A., Ozer G., Karaaslan A.
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.29, pp.2237-2244, 2019 (SCI-Expanded)
- X. **Effect of RRA heat treatment on corrosion and mechanical properties of AA7075**
Özer G., Karaaslan A.
MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION, vol.70, no.11, pp.2064-2072, 2019 (SCI-Expanded)
- XI. **Effect of secondary phases on 475 °C embrittlement of 1.4462 and 1.4501 duplex stainless steels at short-term heat treatment conditions**
KISASÖZ A., Ozer G., KARAASLAN A.
Materials Research Express, vol.6, no.11, 2019 (SCI-Expanded)
- XII. **Effects of retrogression and reaging heat treatment on the microstructure, exfoliation corrosion, electrical conductivity, and mechanical properties of AA7050**
Özer G., Kaya I., Karaaslan A.
MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION, vol.70, no.10, pp.1788-1797, 2019 (SCI-Expanded)
- XIII. **Investigation of the relationship between intergranular corrosion and retrogression and reaging in the AA6063**
Ozer G., KISASÖZ A., KARAASLAN A.
MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION, vol.70, no.12, pp.2256-2265, 2019 (SCI-Expanded)
- XIV. **Sliding Wear of the Ti-Reinforced Al Matrix Bi-metal Composite: A Potential Replacement to Conventional SiC-Reinforced Composites for Automotive Application**
GECÜ R., KARAASLAN A.
INTERNATIONAL JOURNAL OF METALCASTING, vol.13, no.3, pp.641-652, 2019 (SCI-Expanded)
- XV. **Improving wear resistance of 304 stainless steel reinforced AA7075 aluminum matrix composite by micro-arc oxidation**
GECÜ R., Yurekturk Y., Tekoglu E., Muhaffel F., KARAASLAN A.
SURFACE & COATINGS TECHNOLOGY, vol.368, pp.15-24, 2019 (SCI-Expanded)
- XVI. **The effect of retrogression and re-aging treatment on mechanical and tribological features of AA7075 aluminium alloy**
Einfluss der Retrogressions- und Reaging-Behandlung auf die mechanischen und tribologischen Eigenschaften der Aluminiumlegierung AA7075
Ozer G., GECÜ R., KARAASLAN A.
MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK, vol.50, no.6, pp.761-768, 2019 (SCI-Expanded)
- XVII. **A Comparative Study on Titanium-Reinforced Aluminium Matrix Composites Produced by Melt Infiltration Casting and Squeeze Infiltration**
GECÜ R., KARAASLAN A.
INTERNATIONAL JOURNAL OF METALCASTING, vol.13, no.2, pp.311-319, 2019 (SCI-Expanded)
- XVIII. **Microstructural and Tribological Characterization of Stainless Steel-Reinforced Aluminum Matrix Bimetal Composites Produced at Various Mold Burnout Temperatures**
GECÜ R., KARAASLAN A.
TRIBOLOGY TRANSACTIONS, vol.62, no.2, pp.249-261, 2019 (SCI-Expanded)
- XIX. **Effects of RRA heat treatment on the exfoliation corrosion (EXCO), intergranular corrosion (IGC), and electrical conductivity of AA7075 alloy**
Ozer G., Karaaslan A.
MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION, vol.70, no.3, pp.549-557, 2019 (SCI-Expanded)
- XX. **Volume Fraction Dependent Wear Behavior of Titanium-Reinforced Aluminum Matrix Composites**

Manufactured by Melt Infiltration Casting

GECÜ R., KARAASLAN A.

JOURNAL OF TRIBOLOGY-TRANSACTIONS OF THE ASME, vol.141, no.2, 2019 (SCI-Expanded)

- XXI. **Preform-Based Production of Al₂O₃-Reinforced Aluminium Matrix Composites by Using Various Modification Techniques**
Öztürk K., Gecü R., Karaaslan A.
Metals and Materials International, 2019 (SCI-Expanded)
- XXII. **A Study on Al/Cu Bimetal Production by Lost Foam Casting**
ACAR S., GECÜ R., KISASÖZ A., GÜLER K. A., KARAASLAN A.
PRAKTISCHE METALLOGRAPHIE-PRACTICAL METALLOGRAPHY, vol.55, no.11, pp.728-740, 2018 (SCI-Expanded)
- XXIII. **Etching behavior of ZnO:Ga thin films**
Duygulu N., MUSTAFAOĞLU U., KODOLBAŞ A. O., KARAASLAN A.
MATERIALS TESTING, vol.60, no.11, pp.1097-1103, 2018 (SCI-Expanded)
- XXIV. **Influence of T6 heat treatment on A356 and A380 aluminium alloys manufactured by thixoforging combined with low superheat casting**
GECÜ R., ACAR S., KISASÖZ A., ALTUG GULER K. A., KARAASLAN A.
Transactions of Nonferrous Metals Society of China (English Edition), vol.28, no.3, pp.385-392, 2018 (SCI-Expanded)
- XXV. **Relationship Between Nanoindentation and Wear Properties of Stainless Steel-Reinforced Aluminium Matrix Composite**
GECÜ R., KARAASLAN A.
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- XXVI. **Influence of preform preheating on dry sliding wear behavior of 304 stainless steel reinforced A356 aluminum matrix composite produced by melt infiltration casting**
GECÜ R., ATAPEK Ş. H., KARAASLAN A.
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- XXVII. **Properties of AA7075 aluminum alloy in aging and retrogression and reaging process**
ÖZER G., KARAASLAN A.
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.27, no.11, pp.2357-2362, 2017 (SCI-Expanded)
- XXVIII. **Relationship of RRA heat treatment with exfoliation corrosion, electrical conductivity and microstructure of AA7075 alloy**
Özer G., KARAASLAN A.
MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION, vol.68, no.11, pp.1260-1267, 2017 (SCI-Expanded)
- XXIX. **Investigation of spherisation in microstructures of aluminium casting alloys for thixoforging process**
GÜLER K. A., GECÜ R., KISASÖZ A., KARAASLAN A.
RUSSIAN JOURNAL OF NON-FERROUS METALS, vol.58, no.5, pp.489-494, 2017 (SCI-Expanded)
- XXX. **Effect of Water Storage on The Mechanical Properties of Zinc Polycarboxylate Cements**
HAZAR A. B., KARAASLAN A.
Digest Journal Of Nanomaterials And Biostructures, vol.2, no.2, pp.243-252, 2017 (SCI-Expanded)
- XXXI. **DOUBLE FILLET WELDING OF CARBON STEEL T-JOINT BY DOUBLE CHANNEL SHIELDING GAS METAL ARC WELDING METHOD USING METAL CORED WIRE**
MERT T., GÜLTEKİN N., KARAASLAN A.
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- XXXII. **Influence of Orbital Shaking on Microstructure and Mechanical Properties of A380 Aluminium Alloy Produced by Lost Foam Casting**
KISASÖZ A., GÜLER K. A., KARAASLAN A.
RUSSIAN JOURNAL OF NON-FERROUS METALS, vol.58, no.3, pp.238-243, 2017 (SCI-Expanded)
- XXXIII. **The Effect of RRA Heat Treatment on the Intergranular Corrosion (IGC) of the AA7075 Alloy**
Özer G., KARAASLAN A.
PRAKTISCHE METALLOGRAPHIE-PRACTICAL METALLOGRAPHY, vol.54, no.4, pp.256-266, 2017 (SCI-Expanded)
- XXXIV. **A Comparative Study on the Microstructure Evaluation of Thixoforged A356 and A380 Aluminium**

Alloys

- GÜLER K. A., GECÜ R., KISASÖZ A., KARAASLAN A.
PRAKTISCHE METALLOGRAPHIE-PRACTICAL METALLOGRAPHY, vol.54, no.3, pp.163-177, 2017 (SCI-Expanded)
- XXXV. **EFFECT OF ETCHING METHODS IN METALLOGRAPHIC STUDIES OF DUPLEX STAINLESS STEEL 2205**
KISASÖZ A., KARAASLAN A., BAYRAK Y.
METAL SCIENCE AND HEAT TREATMENT, vol.58, pp.704-706, 2017 (SCI-Expanded)
- XXXVI. **Characteristics of austenitic stainless steel T-joints welded using the DMAG process with solid wire**
MERT T., Gültekin N., KARAASLAN A.
MATERIALS TESTING, vol.58, no.9, pp.778-781, 2016 (SCI-Expanded)
- XXXVII. **Dry Sliding Wear Behavior of Cast A7075 and A7075/SAF 2205 Composite Material**
KARAASLAN A., KISASÖZ A., ATAPEK Ş. H., GÜLER K. A.
HIGH TEMPERATURE MATERIALS AND PROCESSES, vol.35, no.5, pp.487-492, 2016 (SCI-Expanded)
- XXXVIII. **Effect of Annealing Time and Cooling Rate on Precipitation Processes in a Duplex Corrosion-Resistant Steel**
KISASÖZ A., Gurel S., KARAASLAN A.
METAL SCIENCE AND HEAT TREATMENT, vol.57, pp.544-547, 2016 (SCI-Expanded)
- XXXIX. **Evaluation of double channel GMAW fillet welds of low carbon steel using solid wire**
MERT T., Gultekin N., KARAASLAN A.
MATERIALS TESTING, vol.57, pp.680-684, 2015 (SCI-Expanded)
- XL. **A study of expanded polyethylene (EPE) pattern application in aluminium lost foam casting**
GÜLER K. A., KISASÖZ A., KARAASLAN A.
RUSSIAN JOURNAL OF NON-FERROUS METALS, vol.56, no.2, pp.171-176, 2015 (SCI-Expanded)
- XLI. **Fillet welding of austenitic stainless steel using the double channel shielding gas method with cored wire**
MERT T., Gultekin N., KARAASLAN A.
MATERIALS TESTING, vol.57, no.1, pp.91-94, 2015 (SCI-Expanded)
- XLII. **Mechanical and Microstructural Evaluation of DMAG Welding of Structural Steel**
MERT T., Gultekin N., KARAASLAN A.
ADVANCES IN MECHANICAL ENGINEERING, vol.7, no.1, 2015 (SCI-Expanded)
- XLIII. **Investigation of Al/Steel Bimetal Composite Fabrication by Vacuum Assisted Solid Mould Investment Casting**
GÜLER K. A., KISASÖZ A., KARAASLAN A.
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- XLIV. **Investigation of lost foam casted aluminum bimetal microstructures**
GÜLER K. A., KISASÖZ A., KARAASLAN A.
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- XLV. **Finite Element Analysis of 2205 Duplex Stainless Steel Welds**
KISASÖZ A., KARAASLAN A.
MATERIALS TESTING, vol.56, no.10, pp.795-799, 2014 (SCI-Expanded)
- XLVI. **Fabrication of Al/Mg bimetal compound casting by lost foam technique and liquid-solid process**
GÜLER K. A., KISASÖZ A., KARAASLAN A.
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- XLVII. **Effects of pattern coating and vacuum assistance on porosity of aluminium lost foam castings**
GÜLER K. A., KISASÖZ A., KARAASLAN A.
Russian Journal of Non-Ferrous Metals, vol.55, no.5, pp.424-428, 2014 (SCI-Expanded)
- XLVIII. **Effects of alloying elements with various heat treatment processes on the properties of high speed steels**
KISASÖZ A., TOPTOP G., KARAASLAN A.
Kovove Materialy, vol.51, no.3, pp.205-209, 2013 (SCI-Expanded)
- XLIX. **The fabrication and characterization of Al/SiC-MMC castings produced by vacuum assisted solidmould investment casting process**

- Guler K. A., KISASÖZ A., KARAASLAN A.
RUSSIAN JOURNAL OF NON-FERROUS METALS, vol.54, no.4, pp.320-324, 2013 (SCI-Expanded)
- L. **Effect of Alloying Elements on the Tooling Capabilities of High Speed Steels Fabricated by Powder Metallurgy**
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- LI. **Infiltration of A6063 aluminium alloy into SiC-B4C hybrid preforms using vacuum assisted block mould investment casting technique**
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- LII. **Effects of Co as an alloying element and heat treatment processes on the properties of high speed steels**
TOPTOP G. O., KISASÖZ A., KARAASLAN A.
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- LIII. **Mechanical properties of A6063/ SiC composites produced using the lost foam casting process**
Güler K. A., Kisasoz A., Yuksel C., Karaaslan A.
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- LIV. **Influence of heat treatment and thermochemical processes on the properties of the steel X 38 CrMoV 5 3**
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- LVII. **Processing and microstructural characterisation of AA 1070 and AA 6063 matrix B4Cp reinforced composites**
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- LVIII. **Formation of the Stress-Relieved Structure in the Welded Region of Gas Tungsten Arc Welded Armor Steel with the Help of Heat Distribution**
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- LIX. **Production of a Glass Fiber Reinforced Polymer Matrix Composite by Injection Moulding and its Characterization**
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- LX. **Formability Characteristics of Industrial Pure Aluminum at Casting and Room Temperature**
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- LXI. **The Effect of Austempering Time on Heat Affected Zone in Gas Tungsten Arc Welding of Unalloyed Austempered Ductile Iron**
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- LXII. **Einfluss von Zusatzwerkstoffe auf die Schweißbarkeit von der Aluminiumlegierung AlZnMg beim Wolfram-Inertgasschweissen**
KARAASLAN A.

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- LXIV. **Tensile Strength and Impact Toughness of an AA 7075-T6 Alloy Effects of Aging Temperature and Time During Retrogression Treatment**
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- LXV. **Crack Avoidance by Using Titanium as Filler Material for Laser Welding of a Chromium Steel with a Nickel Alloy**
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- LXVII. **Einfluss des Laserverfahrens auf Geometrie der Spuren beim Laserschweißen von Ni-Resist-Sphaeroguss mit hitzebeständigem Stahl**
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- LXVIII. **Crack avoidance during powder metallurgy of a SiC particel reinforced aluminium alloy A 6063**
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- LXIX. **Modellierung der mikrostrukturellen Aenderungen in heterogenen Verbindungen**
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- LXX. **Wolfram-Inertgasschweißen der Aluminiumlegierung AlMgSi1 mit und ohne Zusatzwerkstoff**
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- LXXII. **Schweißen von Reintitanblechen: Laserstrahlschweißen und WIG-Schweißen von kommerziellen Reintitanblech**
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- LXXV. **Joinning of S 6-5-2 and 4140 steel with flash welding**
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- LXXVI. **Heißrissbildung beim Schweißen: Charakterisieren heterogener Lichtbogenschweißverbindungen**
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4. Studententag des Hüttenwesens, Deutschland, 01 April 1996

Supported Projects

KARAASLAN A., TUBITAK Project, Milli Entegre Taktik Tekerlekli Araç, 2018 - Continues

KARAASLAN A., TUBITAK Project, Otomotiv Sektöründe Enerji Verimliliği Yüksek Laser Nokta Kaynağı Prosesinin Geliştirilmesi, 2018 - Continues

KARAASLAN A., TUBITAK Project, Otomotiv Sektöründe Çelik İle Alüminyum Sac Malzemelerin Birleştirilmesinde Sürtünme Karıştırma Kaynağı ve Laser Kaynağının Kullanımının Geliştirilmesi, 2018 - Continues

Karaaslan A., Kısasöz A., TUBITAK Project, Dupleks Paslanmaz Çeliklerde Sigma Fazı Oluşumunu Ortaya Koyan Johnson Mehl Avrami Kolmogorov Eşitliğinin Geliştirilmesi, 2019 - 2021

KARAASLAN A., ÖZTÜRK K., Project Supported by Higher Education Institutions, Alüminyum Matrisli Melez Takviyeli Kompozit Üretimi ve Karakterizasyonu, 2018 - 2020

KARAASLAN A., GECÜ R., Project Supported by Higher Education Institutions, Bimetal Kompozitlerin Metal Talaşlarıyla Üretimi ve Karakterizasyonu, 2017 - 2019

KISASÖZ A., ACAR S., GECÜ R., KARAASLAN A., GÜLER K. A., Project Supported by Higher Education Institutions, Isıya Dayanıklı 2.4879 Alaşımının Yüksek Sıcaklık Uygulamalarındaki Özellik Değişimlerinin Belirlenmesi, 2017 - 2019

KARAASLAN A., ACAR S., GECÜ R., KISASÖZ A., GÜLER K. A., Project Supported by Higher Education Institutions, Geri Dönüştürülebilir Metal Takviyeler Kullanılarak Üretilen Alüminyum Matrisli Metal-Metal Kompozitlerin Aşınma Özelliklerinin Belirlenmesi, 2017 - 2019

KARAASLAN A., ACAR S., KISASÖZ A., GECÜ R., GÜLER K. A., Project Supported by Higher Education Institutions, Çift Fazlı Paslanmaz Çelikte Ferrit-Östenit Faz Dengesinin 475 °C Kırılma Noktasındaki Etkisinin İncelenmesi, 2017 - 2019

KARAASLAN A., TUBITAK Project, İkiz Merdaneli Sürekli Döküm Yöntemiyle Üretilen Alüminyum Alaşımının Farklı Termomekanik Proseslere Bağlı Olarak Elektrik İletkenliğinin Değişiminin İncelenmesi ve Sayısal Olarak Modellenmesi, 2017 - 2018

DUYGULU N., EKERİM A., KARAASLAN A., TUBITAK Project, Sıçratma Yöntemiyle Üretilen, Pürüzlendirilmiş Çinko Oksit Cam Kaplamalara Katkı Elementlerinin Etkisinin İncelenmesi ve Fotovoltaik Uygulamalarının Geliştirilmesi, 2017 - 2017

KARAASLAN A., Project Supported by Higher Education Institutions, AA7075 Alüminyum Alaşımında Yaşlandırma ve RRA İşlemleri ile Özelliklerin Değişimlerinin İncelenmesi, 2016 - 2017

GÜLER K. A., KISASÖZ A., KARAASLAN A., Project Supported by Higher Education Institutions, Alüminyum Alaşımaları İçin Düşük Üst Isılı Dökümle Bağlantılı Yarı-Katı Dövme Yönteminin Araştırılması, 2015 - 2017

ÇİÇEK B., KARAASLAN A., TUBITAK Project, Atıkların Kullanımı İle Metal-Cam Seramik Kompozit Sırların Geliştirilmesi, 2015 - 2016

KARAASLAN A., KISASÖZ A., Project Supported by Higher Education Institutions, Savunma Sanayiinde Kullanılan Dupleks Paslanmaz Çeliğin Kaynağında Isıl Girdilerin Modellenmesi ve Deneysel Verilerin Eldesi, 2013 - 2016

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KARAASLAN A., TUBITAK Project, Araç Yakıt Deposunun Alt ve Üst Saclarının Laser Kaynak İle Birleştirilmesi, 2013 - 2015

KARAASLAN A., KISASÖZ A., Project Supported by Higher Education Institutions, Dupleks Paslanmaz Çeliklerde Oluşan σ ve χ Fazlarının Etkilerinin Isıl Yöntemler ile Giderilmesi, 2012 - 2015

KARAASLAN A., Deniz Araçları İçin Pervane, 2012 - 2014

KARAASLAN A., TUBITAK Project, Tek Fazlı İnverter Ark Kaynak Makinalarında Kaynak Algoritmalarının Geliştirilmesi, 2012 - 2013

Karaaslan A., Kerti I., Çiğdem M., TUBITAK Project, Aşınmaya Dirençli Alüminyum Matrisli B4C Takviyeli (min %15) Hafif

Kompozit Malzemelerin Geliştirilmesi, 2007 - 2011

KARAASLAN A., Other International Funding Programs, Sıkıştırılmalı Döküm Yöntemi İle Al Matrisli Hibrid Takviyeli Kompozit Üretimi ve Karakterizasyonu, 2007 - 2009

KARAASLAN A., Project Supported by Higher Education Institutions, Kalıp malzemesi olarak kullanılan Al-7075 alaşımının döküm kusurlarının sıcak şekillendirme ile giderilmesi, 2004 - 2005

KARAASLAN A., Askeri Fabrikada Üretilen Taşıtlarda Ekonomik Malzeme Seçimi, 2002 - 2004

KARAASLAN A., Other International Funding Programs, Termo-Reaktif Difüzyon Yöntemi İle Çelik Yüzeylerine Karbür Kaplama, 2002 - 2004

KARAASLAN A., Other International Funding Programs, Materialauswahl und Laserschweißgeeignet für das Getriebe, 1997 - 1999

KARAASLAN A., Other International Funding Programs, Materialauswahl und Laserschweißgeeignet für die Gasmotoren, 1997 - 1998

KARAASLAN A., Other International Funding Programs, Laserschweißenvon Gußeisen mit Konstruktionswerkstoffe, 1994 - 1997

KARAASLAN A., Other International Funding Programs, Gaz Enjeksiyon Sistemi ile Alüminyum Matrisli Kompozit Malzeme Üretimi, 1994 - 1996

KARAASLAN A., Other International Funding Programs, Kupol Curuflarından Aşındırıcı Malzeme Üretimi, APK Projesi (Y.T.Ü.), Proje Araştırma Elemanı, 1993-1994., 1993 - 1994

Activities in Scientific Journals

Journal of Engineering, Editor, 2016 - Continues

Peer Reviews in Scientific Publications

Uluslararası Kırılma Konferansı, SCI Journal, Continues

Uluslararası Kaynak Teknolojileri Konferansı ve Sergisi, SCI Journal, May 2014

Isıl İşlemler Sempozyumu, National Scientific Refreed Journal, November 2013

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Publication: 175

Citation (WoS): 386

Citation (Scopus): 667

H-Index (WoS): 11

H-Index (Scopus): 15

Congress and Symposium Activities

Isıl İşlemler, Session Moderator, İstanbul, Turkey, 2016

Non Academic Experience

Yıldız Teknik Üniversitesi, Öğretim Üyesi