

Prof. TANJU TEKER

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International Researcher IDs

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Education Information

Doctorate, Firat University, Institute Of Science, Turkey 2004 - 2010

Postgraduate, Firat University, Institute Of Science, Turkey 2002 - 2004

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Turkey 1993 - 1997

Dissertations

Doctorate, AISI 430/AISI 1040 çelik çiftinin anahtar deliği plazma kaynak yöntemi ile birleştirilmesi, mikroyapı ve mekanik özelliklerin araştırılması, Firat University, Institute Of Science, 2010

Postgraduate, Kurşun-kalay-bakır alışımlı yatak malzemelerinin mikro yapı ve mekanik özelliklerinin araştırılması, Firat University, Institute Of Science, 2004

Research Areas

Metallurgical and Materials Engineering

Academic Titles / Tasks

Professor, Sivas Cumhuriyet University, Teknoloji Fakültesi, İmalat Mühendisliği Bölümü, 2021 - Continues

Associate Professor, Adiyaman University, Faculty Of Engineering, Department Of Materials Engineering, 2014 - 2021

Assistant Professor, Adiyaman University, Faculty Of Engineering, Department Of Materials Engineering, 2012 - 2014

Academic and Administrative Experience

Head of Department, Sivas Cumhuriyet University, Teknoloji Fakültesi, İmalat Mühendisliği Bölümü, 2021 - Continues

Head of Department, Adiyaman University, Faculty Of Engineering, Department Of Materials Engineering, 2014 - 2021

Head of Department, Adiyaman University, Faculty Of Engineering, Department Of Materials Engineering, 2013 - 2021

Director of Vocational School, Adiyaman University, Technical Sciences Vocational School, 2015 - 2019

Head of Department, Adiyaman University, Faculty Of Engineering, Department Of Materials Engineering, 2013 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

1. Mechanical performance and weldability of HARDOX 450/AISI 430 grade joined by TIG double-sided

arc welding

TEKER T., Gencdogan D.

MATERIALS TESTING, vol.64, no.11, pp.1606-1613, 2022 (SCI-Expanded)

- II. **INVESTIGATION OF SURFACE PROPERTIES AND FeB-Fe₂B LAYER FORMATION IN PACK BORONIZING OF CEMENTATION STEEL**
TEKER T., Sari M.
SURFACE REVIEW AND LETTERS, vol.29, no.09, 2022 (SCI-Expanded)
- III. **Metallurgical properties of boride layers formed in pack boronized cementation steel**
TEKER T., Sari M.
MATERIALS TESTING, vol.64, no.9, pp.1332-1339, 2022 (SCI-Expanded)
- IV. **Microstructure and mechanical properties of AISI 304/DUROSTAT 500 steel double-sided TIG welds**
TEKER T., Gunes A.
MATERIALS TESTING, vol.64, no.8, pp.1162-1171, 2022 (SCI-Expanded)
- V. **Effect of thermomechanical processing on the mechanical properties of CuZn10 alloy**
YILMAZ S. O. , TEKER T., Batmaz Y. O. , YÜKSEL Ç.
MATERIALS TESTING, vol.64, no.7, pp.1026-1032, 2022 (SCI-Expanded)
- VI. **METALLOGRAPHIC STUDY AND WEAR BEHAVIOR OF Cu-BASED FeTi-REINFORCED COMPOSITES**
YILMAZ S. O. , TEKER T., KARABEYOĞLU S. S.
SURFACE REVIEW AND LETTERS, vol.29, no.04, 2022 (SCI-Expanded)
- VII. **Effect of FeTi-FeB inoculation on the shape of carbide reinforcements in hypoeutectic high chromium white cast iron**
TEKER T., Yilmaz S. O. , Dalmis S.
MATERIALS TESTING, vol.64, no.3, pp.363-370, 2022 (SCI-Expanded)
- VIII. **Microstructure and fatigue performance of Cu-based M7C3-reinforced composites**
YILMAZ S. O. , TEKER T., KARABEYOĞLU S. S.
MATERIALS TESTING, vol.64, no.2, pp.177-185, 2022 (SCI-Expanded)
- IX. **Effect of austempering treatment on metallurgical structure of Ce inoculated X210Cr12 cold work tool steel**
TEKER T., Yilmaz S. O. , Eruslu S. O.
MATERIALS TESTING, vol.64, no.1, pp.78-87, 2022 (SCI-Expanded)
- X. **Friction welding of high Cr white cast iron to AISI 1030 steel with Ni interlayer**
Teker T., Karakurt E. M.
MATERIALS TESTING, vol.63, no.11, pp.1012-1017, 2021 (SCI-Expanded)
- XI. **Metallurgical and Mechanical Characteristics of Friction Welded Joint of 27 wt.%CrWCI/AISI 1040 Steel**
Teker T., Ozaslan M.
TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS, vol.74, no.11, pp.2739-2749, 2021 (SCI-Expanded)
- XII. **Heat affected zone and weld metal analysis of HARDOX 450 and ferritic stainless steel double sided TIG-joints**
TEKER T., Gencdogan D.
MATERIALS TESTING, vol.63, no.10, pp.923-928, 2021 (SCI-Expanded)
- XIII. **Effect of rotary friction welding on mechanical properties of 6060 Al alloy**
TEKER T., Soysal T., Akgun G.
REVISTA DE METALURGIA, vol.57, no.4, 2021 (SCI-Expanded)
- XIV. **Characterization of mechanically alloyed Fe based and MoNiAl+Al₂O₃ reinforced composites**
YILMAZ S., Teker T., Eker H.
MATERIALS TESTING, vol.63, no.4, pp.368-372, 2021 (SCI-Expanded)
- XV. **Metallurgical characterization of mechanically alloyed MoNiAl-WC reinforced Fe matrix composite**
Teker T., Yilmaz S. O.
MATERIALS TESTING, vol.62, no.12, pp.1199-1204, 2020 (SCI-Expanded)
- XVI. **Investigation on mechanical properties of solution strengthened and austempered ferritic ductile**

irons

Yilmaz S. O. , Teker T.

INTERNATIONAL JOURNAL OF MATERIALS RESEARCH, vol.111, no.12, pp.976-982, 2020 (SCI-Expanded)

- XVII. **Synthesis and structural characterization of Fe based Ti+Ni3Al+Al2O3 reinforcement composite produced by mechanical alloying**
Teker T., Yilmaz S. O.
REVISTA DE METALURGIA, vol.56, no.4, 2020 (SCI-Expanded)
- XVIII. **Investigation of the weldability of AISI304 and AISI1030 steels welded by friction welding**
Teker T., Karakurt E. M. , OEzabaci M., Gueleryuez Y.
METALLURGICAL RESEARCH & TECHNOLOGY, vol.117, no.6, 2020 (SCI-Expanded)
- XIX. **Effect of carbides on the wear resistance of white cast iron alloyed with 12.7 wt.-% Cr and nickel**
Yilmaz S. O. , Teker T.
MATERIALS TESTING, vol.62, no.8, pp.788-792, 2020 (SCI-Expanded)
- XX. **Effect of Alloy Content in Hardox450+FeW Composites Alloyed by PTAW on Wear Characteristic**
Teker T.
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.56, no.3, pp.584-590, 2020 (SCI-Expanded)
- XXI. **Examination of mechanical properties of high chromium white cast iron/AISI1030 steel welded by friction welding with nickel interlayer**
Teker T., Karakurt E. M.
SCIENCE AND TECHNOLOGY OF WELDING AND JOINING, vol.25, no.2, pp.150-156, 2020 (SCI-Expanded)
- XXII. **Characterization of the boron layer formed by pack boronizing of binary iron-niobium alloys**
Teker T., Karakurt E. M.
MATERIALS TESTING, vol.61, no.9, pp.875-879, 2019 (SCI-Expanded)
- XXIII. **Effect of TiBAl inoculation on abrasive wear resistance of high Cr white cast iron**
Teker T., Yilmaz S. O. , Kerkut E.
MATERIALS TESTING, vol.61, no.7, pp.690-694, 2019 (SCI-Expanded)
- XXIV. **Effect of heat treatment on the wear behavior of GX200Cr13Ni6WMoMn**
Teker T., Dalmis I. S. , Yilmaz R.
MATERIALS TESTING, vol.61, no.5, pp.441-447, 2019 (SCI-Expanded)
- XXV. **Properties and chemical composition of plasma arc welded Hardox450+FeW coatings**
Teker T., Typal A.
MATERIALS TESTING, vol.61, no.1, pp.35-40, 2019 (SCI-Expanded)
- XXVI. **Effect of Melt-In and Key-Hole Modes on the Structure and Mechanical Properties of AISI 430 Steel Welded Using Plasma Transfer Arc Welding**
Teker T.
PHYSICS OF METALS AND METALLOGRAPHY, vol.119, no.7, pp.669-677, 2018 (SCI-Expanded)
- XXVII. **Weld quality and productivity of AISI 4140 steel welded by unpulsed and pulsed GMAW**
KURŞUN T., Teker T.
MATERIALS TESTING, vol.60, no.2, pp.149-155, 2018 (SCI-Expanded)
- XXVIII. **Effect of different rotational speeds on mechanical and metallurgical properties of friction welded dissimilar steels**
Teker T., Yilmaz S. O. , Karakurt E. M.
MATERIALS TESTING, vol.60, no.2, pp.135-141, 2018 (SCI-Expanded)
- XXIX. **Wear behavior of GTA coated FeCrC based bond alloy on an AISI 1040 steel substrate**
Dalmis S., Teker T., Yilmaz S. O.
KOVOVE MATERIALY-METALLIC MATERIALS, vol.56, no.5, pp.339-348, 2018 (SCI-Expanded)
- XXX. **Sliding wear behavior of FeCrC reinforced and Ni-based composites produced by mechanical alloying technique**
Yilmaz S. O. , Demir F., Teker T.
KOVOVE MATERIALY-METALLIC MATERIALS, vol.56, no.1, pp.65-74, 2018 (SCI-Expanded)

- XXXI. **Mechanical property effects of symmetrical hour glass shapes formed during double-sided TIG keyhole arc welding of AISI1040 joints**
Teker T, Karakurt E. M. , Demir F.
MATERIALS TESTING, vol.59, no.6, pp.524-529, 2017 (SCI-Expanded)
- XXXII. **Effect of the manual (GMAW) and pulsed (P-GMAW) welding processes on impact strength and fracture behavior of AISI 304-AISI 1040 dissimilar steel joints fabricated by ASP316L austenitic stainless steel filler metal**
Teker T, KURŞUN T.
KOVVOVE MATERIALY-METALLIC MATERIALS, vol.55, no.2, pp.141-148, 2017 (SCI-Expanded)
- XXXIII. **Effect of TiBAl inoculation and heat treatment on microstructure and mechanical properties of hypereutectic high chromium white cast iron**
Yilmaz S. O. , Teker T.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.672, pp.324-331, 2016 (SCI-Expanded)
- XXXIV. **Effect of mechanical alloying on FeCrC reinforced Ni alloys**
Yilmaz S. O. , Teker T., Demir F.
MATERIALS TESTING, vol.58, no.4, pp.337-342, 2016 (SCI-Expanded)
- XXXV. **Wear behavior of iron boride coating on AISI 4140**
Yilmaz S. O. , Teker T., Karatas S.
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.52, no.1, pp.119-127, 2016 (SCI-Expanded)
- XXXVI. **Experimental research on mechanism and process of direct iron making reduction of mechanically milling scale with coal**
Yilmaz S. O. , Teker T.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.650, pp.741-747, 2015 (SCI-Expanded)
- XXXVII. **MICROSTRUCTURE AND WEAR PROPERTIES OF FeCrC, FeW AND FeTi MODIFIED IRON BASED ALLOY COATING DEPOSITED BY PTA PROCESS ON AISI 430 STEEL**
Teker T., Karatas S., Yilmaz S. O.
ARCHIVES OF METALLURGY AND MATERIALS, vol.59, no.3, pp.925-933, 2014 (SCI-Expanded)
- XXXVIII. **Weldability of AA6063 alloys by using Keyhole Gas Tungsten Arc Welding technique**
Teker T, KURŞUN T.
KOVVOVE MATERIALY-METALLIC MATERIALS, vol.52, no.4, pp.237-242, 2014 (SCI-Expanded)
- XXXIX. **The effect of austenitic interlayer on microstructure and mechanical behaviors in keyhole plasma transfer arc welding of ferritic stainless steel couple**
Teker T.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.69, pp.1833-1840, 2013 (SCI-Expanded)
- XL. **CoNiCrMo, FeCrNi, NiCr and FeNiAlMo modified iron based alloy coating deposited by plasma transferred arc process**
Yilmaz S. O. , Teker T.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.15, pp.1010-1019, 2013 (SCI-Expanded)
- XLI. **Evaluation of the metallurgical and mechanical properties of friction-welded joints of dissimilar metal combinations AISI2205/Cu**
Teker T.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.66, pp.303-310, 2013 (SCI-Expanded)
- XLII. **The coating of FeB, FeTi, FeW powders on AISI 430 stainless steel by PTA**
Teker T., Karatas S., Yilmaz S. O.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.15, pp.284-293, 2013 (SCI-Expanded)
- XLIII. **EFFECT OF SYNERGIC CONTROLLED PULSED AND MANUAL GAS METAL ARC WELDING PROCESSES ON MECHANICAL AND METALLURGICAL PROPERTIES OF AISI 430 FERRITIC STAINLESS STEEL**
Teker T.

- ARCHIVES OF METALLURGY AND MATERIALS, vol.58, no.4, pp.1029-1035, 2013 (SCI-Expanded)
- XLIV. **The effect of nozzle orifice diameter on penetration depth and mechanical properties of AISI 430/AISI 1040 dissimilar steel joined by keyhole PTA welding process**
Teker T., Ozdemir N.
KOVOVE MATERIALY-METALLIC MATERIALS, vol.51, no.4, pp.241-249, 2013 (SCI-Expanded)
- XLV. **The role of TiB₂, Fe₂B reinforcements on the wear rate of the coated AISI 430 stainless steel surface by PTA**
Teker T.
KOVOVE MATERIALY-METALLIC MATERIALS, vol.51, no.6, pp.373-381, 2013 (SCI-Expanded)
- XLVI. **Weldability and joining characteristics of AISI 430/AISI 1040 steels using keyhole plasma arc welding**
Teker T., Ozdemir N.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.63, pp.117-128, 2012 (SCI-Expanded)
- XLVII. **Effects of Co and Cr particles additions on phase transformation temperature of a Pb-Sn based alloy**
Teker T., Kaplan M.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.13, pp.422-424, 2011 (SCI-Expanded)
- XLVIII. **Study to evaluate the abrasive wear resistant behavior of materials coated with Fe-Cr-Si-C**
Yaz M., Yilmaz S. O. , Teker T.
KOVOVE MATERIALY-METALLIC MATERIALS, vol.49, no.4, pp.297-306, 2011 (SCI-Expanded)
- XLIX. **Weldability of AISI 430/AISI 1030 Steel Couples via the Synergic Controlled Pulsed (GMAW-P) and Manual Gas Metal Arc (GMAW) Welding Techniques**
Teker T., KURŞUN T.
MATERIALS AND MANUFACTURING PROCESSES, vol.26, no.7, pp.926-932, 2011 (SCI-Expanded)
- L. **The effects of Co and Cr particles additions on microstructure and wear behaviour of Pb-Sn based alloy**
Teker T., Kaplan M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.484, pp.510-513, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **An Aesthetic Solution to Solid Waste Use: Ancient Mosaic Production from Marble Waste in Adıyaman Province**
Tanrıverdi Y., Akça E., Ezer S., Dolaş O., Ak H., Teker T.
Avrupa Bilim ve Teknoloji Dergisi, vol.27, pp.407-411, 2021 (Peer-Reviewed Journal)
- II. **Investigation of deformation and element diffusion in joint interface of mild carbon steel and HCrWCI welded by friction welding**
Teker T., Özaslan M.
Cumhuriyet Science Journal, vol.42, no.2, pp.502-507, 2021 (Peer-Reviewed Journal)
- III. **Phase and chemical structure characterization in double sided TIG arc welding of HARDOX 450 and AISI 430 steel**
Teker T., Gençdoğan D.
Cumhuriyet Science Journal, vol.41, no.4, pp.987-994, 2020 (Peer-Reviewed Journal)
- IV. **Türkiye’de Kaynakçılık Mesleğinde Meydana Gelen İş Kazaları ve Güvenlik Önlemleri**
Teker T., Gençdoğan D.
Adıyaman Üniversitesi, Mühendislik Bilimleri Dergisi, vol.7, no.12, pp.34-44, 2020 (Peer-Reviewed Journal)
- V. **YKBDD / Orta Karbonlu Çelik Çiftinin Nikel Ara Tabaka Kullanarak Sürtünme Kaynak Yöntemiyle Birleştirilmesi**
Teker T., Karakurt E. M.
Adıyaman Üniversitesi, Mühendislik Bilimleri Dergisi, vol.6, no.11, pp.86-94, 2019 (Peer-Reviewed Journal)

- VI. **Demir-Niyobyum İkili Alaşımların Kutu Borlmasında Artan İşlem Sıcaklığının Borür Tabakasının Oluşumu Üzerindeki Etkisi**
Teker T., Karakurt E. M.
Adıyaman Üniversitesi, Mühendislik Bilimleri Dergisi, vol.4, no.6, pp.13-19, 2017 (Peer-Reviewed Journal)
- VII. **Applications of Corneal Foreign Body Patients and Safety Eyewear Usage Rates**
Şimşek A., Teker T., Karakurt E. M. , Yalçın A.
Adıyaman Üniversitesi Sağlık Bilimleri Dergisi, vol.2, no.2, pp.265-271, 2016 (Peer-Reviewed Journal)
- VIII. **Şimşek A., Teker T., Karakurt E. M. , Yalçın A.**
Adıyaman Üniversitesi Sağlık Bilimleri Dergisi, vol.2, no.1, pp.187-196, 2016 (Peer-Reviewed Journal)
- IX. **AISI 1040 Çelik Çiftinin KPTA Kaynağında Plazma Gaz Debisinin Nüfuziyet Üzerine Etkisi**
Teker T., Özdemir N.
Selçuk Üniversitesi, Teknik Bilimler Meslek Yüksekokulu, Teknik Online Derg, vol.11, no.1, pp.48-59, 2012 (Peer-Reviewed Journal)
- X. **Effect on Microstructure and Hardness of Synergic Controlled Pulsed (MIG-P) and Manual (MIG) Welding of AISI430/AISI1030 Steel Couples**
Teker T., Kurşun T.
Teknolojik Araştırmalar Dergisi, Makine Teknolojileri Elektronik Dergisi, vol.8, no.3, pp.27-37, 2011 (Peer-Reviewed Journal)
- XI. **Effect on Microstructure and Hardness of Synergic Controlled Pulsed (MIG-P) and Manual (MIG) Welding of AISI430/AISI1030 Steel Couples**
Teker T., Kurşun T.
Teknolojik Araştırmalar Dergisi, Makine Teknolojileri Elektronik Dergisi, vol.8, no.3, pp.27-37, 2011 (Peer-Reviewed Journal)
- XII. **Comparasion Of Grain Morfology In The Synergic Controlled Pulsed (GMAW-P) And Manual Gas Metal Arc (GMAW) Welding Of AISI 1030 Steel Couples Abstract**
Teker T., Kurşun T.
Teknolojik Araştırmalar Dergisi, Makine Teknolojileri Elektronik Dergisi, , vol.7, no.4, pp.39-45, 2010 (Peer-Reviewed Journal)
- XIII. **Influence Of Heat Input On Microstructure Of the Synergic Controlled Pulsed (GMAW-P) And Manual Gas Metal Arc (GMAW) Welded AISI 430 Steel Couples**
Teker T., Kurşun T.
Teknolojik Araştırmalar Dergisi, Makine Teknolojileri Elektronik Dergisi , vol.7, no.2, pp.35-43, 2010 (Peer-Reviewed Journal)
- XIV. **Comparasion of Grain Morfology In The Synergic Controlled Pulsed (GMAW-P) And Manual Gas Metal Arc (GMAW) Welding of AISI 1030 Steel Couples**
Teker T., Kurşun T.
Teknolojik Araştırmalar Dergisi, Makine Teknolojileri Elektronik Dergisi, vol.7, no.4, pp.39-45, 2010 (Peer-Reviewed Journal)
- XV. **AISI 430 Çelik Çiftinin Manuel (GMAW) ve Sinerjik Kontrollü (GMAW-P) Kaynağında Isı Girdisinin Mikroyapı Üzerindeki Etkisi**
Teker T., Kurşun T.
Teknolojik Araştırmalar Dergisi, Makine Teknolojileri Elektronik Dergisi , vol.7, no.2, pp.35-43, 2010 (Peer-Reviewed Journal)
- XVI. **Plasma Arc Welding of Hood Sheet Used in Automotive Industry**
Teker T.
Selçuk Üniversitesi, Teknik Bilimler Meslek Yüksekokulu, Teknik Online Dergi, vol.9, no.1, pp.67-78, 2010 (Peer-Reviewed Journal)
- XVII. **The Investigation of Microstructure and Mechanical Properties of Pb-Sn-Cu Alloy addition with Co and Cr Particulate addition**
Teker T., Kaplan M.
Makina Mühendisleri Odası, vol.46, no.549, pp.12-19, 2005 (Peer-Reviewed Journal)

Books & Book Chapters

I. Çelik Standartları

Teker T., Kurşun T.

in: Materials Technology, Prof. Dr. fehim FINDIK, Dr. Öğr. Ü. Turhan KURŞUN, Editor, Lisans Yayıncılık, İstanbul, pp.199-214, 2010

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of FeTi-FeB Additions on Wear Strength of 26.4 wt.% Cr Cast Iron**
TEKER T., YILMAZ S. O.
2nd International Conference on Engineering Technology and Applied Natural Sciences (ICEANS2022), Konya, Turkey, 15 - 18 October 2022, vol.1, pp.465-468
- II. **Investigation of Strength Properties of M7C3 Particulate Reinforced Epoxy Matrix Composites**
YILMAZ S. O., TEKER T., KAVAK S., BAYRAM B. E.
2nd International Conference on Engineering Technology and Applied Natural Sciences (ICEANS2022), Konya, Turkey, 15 - 18 October 2022, vol.1, pp.601-604
- III. **Analysis of Face and Interface Properties of AISI 304 and DUROSTAT 500 Steel Joined by Double-Sided TIG Arc Welding**
TEKER T., GÜNEŞ A.
6th International Conference on Welding Technologies and Exhibition (ICWET'21), Hatay, Turkey, 13 - 15 October 2021, vol.1, pp.97-103
- IV. **Study on Double Sided TIG Arc Welding of HARDOX 450 and Ferritic Stainless Steel,**
TEKER T., GENÇDOĞAN D.
6th International Conference on Welding Technologies and Exhibition (ICWET'21), Hatay, Turkey, 13 - 15 October 2021, vol.1, pp.97-103
- V. **Investigation on Continuous Drive Friction Welding of AISI 1040 Steel and High Chromium White Cast Iron Rods**
TEKER T., ÖZASLAN M., YILMAZ S. O.
6th International Conference on Welding Technologies and Exhibition (ICWET'21), Hatay, Turkey, 13 - 15 October 2021, vol.1, pp.104-110
- VI. **Metallurgical Studies in Double Sided TIG Arc Welding of AISI 430 / HARDOX 450 Steel,**
TEKER T., GENÇDOĞAN D.
2nd Eurasian Conference on Science, Engineering and Technology (Eurasiansciencetech 2020), Gaziantep, Turkey, 7 - 09 October 2020, vol.1, pp.806-810
- VII. **Effect of Cryogenic Treatment on the Structural Evolution of the As-Cast State of a HCrWCI,**
YILMAZ S. O., TEKER T.
2nd Eurasian Conference on Science, Engineering and Technology (Eurasiansciencetech 2020), Gaziantep, Turkey, 7 - 09 October 2020, vol.1, pp.381-385
- VIII. **Assessment of Weldability by Friction Welding Process of AISI1040 and High Chromium White Cast Iron**
TEKER T., KARAKURT E. M., ÖZASLAN M.
4. International Iron and Steel Symposium (UDCS'19), Karabük, Turkey, 4 - 06 April 2019, vol.1, pp.22-25
- IX. **A composite surface layer produced with semi-centrifugal casting**
YILMAZ S. O., TEKER T.
4. International Iron Steel Symposium (UDCS'19), Karabük, Turkey, 4 - 06 April 2019, vol.1, pp.36-38
- X. **Friction Welding of High Chromium White Cast Iron and AISI1030 Steel Couple with Nickel Interlayer**
TEKER T., KARAKURT E. M.
4. International Iron Steel Symposium (UDCS'19), Karabük, Turkey, 4 - 06 April 2019, vol.1, pp.26-28

- XI. **Influence of Additions of Titanium and Boron on the Structural Evolution of the As-Cast State of 27Cr High Chromium White Cast Iron**
YILMAZ S. O. , TEKER T.
4. International Iron Steel Symposium (UDCS'19), Karabük, Turkey, 4 - 06 April 2019, vol.1, pp.33-35
- XII. **Coating of Carburizing Steel with Pack Boronizing Method,**
TEKER T., SARI M., KARAKURT E. M.
International Boron Symposium, BORON2019, Nevşehir, Turkey, 15 - 18 April 2019, vol.1, pp.326-329
- XIII. **Surface properties of FeCrC alloy coating produced by powder feeding GTA cladding on AISI1040 steel**
YILMAZ S. O. , TEKER T., DALMIŞ İ. S.
5th International Conference on Welding Technologies and Exhibition (ICWET'18), Sarajevo, Bosnia And Herzegovina, 26 - 28 September 2018, vol.1, pp.178-186
- XIV. **Microstructural Properties of High Chromium White Cast Iron / AISI1030 Steel With Nickel Interlayer Welded by Friction Welding**
TEKER T., KARAKURT E. M.
5th International Conference on Welding Technologies and Exhibition (ICWET'18)26-28 September 2018, Sarajevo-Bosnia and Herzegovina, Sarajevo, Bosnia And Herzegovina, 26 - 28 September 2018, vol.1, pp.165-171
- XV. **The Investigation of Microstructure of Binary Iron Niobium Alloy Coating by Pack Boronizing Method**
TEKER T., KARAKURT E. M.
5th International Conference on Welding Technologies and Exhibition (ICWET'18)26-28 September 2018, Sarajevo-Bosnia and Herzegovina, Sarajevo, Bosnia And Herzegovina, 26 - 28 September 2018, vol.1, pp.172-177
- XVI. **Metallographic Study of Hardox450FeW Based Composite Alloy Cladding on AISI 1020 Steel by PTA Welding Tecnique**
TEKER T., KARAKURT E. M.
The Internatinal Conference on Materials Science Mechanical and Automotive Engineerings and Technology in Çeşme/İzmir (Imsmatec'18) /İzmir/Çeşme, İzmir, Turkey, 10 - 12 April 2018, vol.1, pp.150-156
- XVII. **Dry Sliding Wear of As-Cast and Heat Treated TiBAL alloyed hypereutectic HCrWCI**
YILMAZ S. O. , TEKER T., KARATAŞ S.
9th International Conference on Advanced Materials (ROCAM2017) Symposium, Bucharest, Romania, 11 - 14 July 2017
- XVIII. **Effect on the Boron Layer of The Increasing Niobium Amount in Pack Boronizing of Binary Iron-Niobium Alloys**
TEKER T., KARAKURT E. M.
THE 9th INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS, ROCAM 2017, Bükreş, Romania, 11 - 14 July 2017, vol.1, pp.72
- XIX. **Effects of Production Information System on Organisatinal Performance**
TEKER T., DULKADİR B.
6 th International Vocational Schools Symposium, Student-Centered Approaches in Vocational Education, Herzegovina, Bosnia And Herzegovina, 18 - 20 May 2017, vol.1, pp.199-206
- XX. **Effect on The Formation of Boride Layer of Increasing Amount of Niobium in Pure Iron**
TEKER T., YILMAZ S. O. , KARAKURT E. M.
3. International Iron Steel Symposium, Karabük, Turkey, 3 - 05 April 2017, vol.1, pp.318-320
- XXI. **Relation Between Microstructure and Hardness in HARDOX 450FeW Based Composite Coating Fabricated By Plasma Transferred Arc Cladding**
TEKER T., KARAKURT E. M.
3. International Iron Steel Symposium, Karabük, Turkey, 3 - 05 April 2017, vol.1, pp.321-325
- XXII. **The Tribological Properties of FeCrC Reinforced and Ni Based MMCs Fabricated Using The Mechanical Alloying Technique**
YILMAZ S. O. , TEKER T., DEMİR F.
16th International Materials Symposium IMSP'2016, Denizli, Turkey, 12 - 14 October 2016, vol.1, pp.1087-1095

- XXIII. **Effect on Penetration Deep of Current Intensity in TIG Keyhole Double Sided Arc Welding of AISI 1040 Steel Couple**
TEKER T., KARAKURT E. M. , YILMAZ S. O.
16th International Materials Symposium IMSP'2016, Denizli, Turkey, 12 - 14 October 2016, vol.1, pp.199-204
- XXIV. **Production of FeCrC Reinforced And Ni Based Metal Matrix Composites Fabricated Using The Mechanical Alloying Technique**
YILMAZ S. O. , DEMİR F., TEKER T.
16th International Materials Symposium IMSP'2016, Denizli, Turkey, 12 - 14 October 2016, vol.1, pp.1081-1086
- XXV. **Effect on The Corneal Structure of The Metal Particles Scattered from Cutting and Grinding**
ŞİMŞEK A., TEKER T., KARAKURT E. M.
International Science and Technology Conference ISTEC'xx16, Vienna, Austria, 13 - 15 July 2016, vol.1, pp.408-411
- XXVI. **Effects of The Synergic Controlled Pulsed MIG P and Manual MIG Welding Processes on Microstructure And Hardness in Welding Of AISI 4140 Steel Couple**
TEKER T., KURŞUN T.
4th International Conference on Welding Technologies and Exhibition (ICWET'16), Gaziantep, Turkey, 11 - 13 May 2016, vol.2, pp.1172-1179
- XXVII. **An Experimental Analysis of Rotational Speed in AISI1030 AISI420 Steel Couple Bonded by Friction Welding Method**
TEKER T., KARAKURT E. M.
4th International Conference on Welding Technologies and Exhibition (ICWET'16), Gaziantep, Turkey, 11 - 13 May 2016, vol.1, pp.52-57
- XXVIII. **Effect on the cornea structure of the ultraviolet emitted from the arc welding**
ŞİMŞEK A., TEKER T., KARAKURT E. M.
3. International Symposium on Innovative Technologies in Engineering and Science ISITES 2015, Valencia, Spain, 3 - 05 June 2015, vol.1, pp.1561-1566
- XXIX. **Electric Power Generation in the Solar Systems Comparisons of the Inorganic and Organic Solar Cells**
TEKER T., VARINCA K. B. , KARAKURT E. M. , AYLAZ G.
3. International Symposium on Innovative Technologies in Engineering and Science ISITES 2015, Valencia, Spain, 3 - 05 June 2015, vol.1, pp.1740-1747
- XXX. **An Analysis Experimental for Achieving High-Quality Keyhole Shape in The Plasma Transferred Arc Welding of AISI 304/AISI 1030 Steel**
TEKER T.
2. International Iron Steel Symposium IISS'15, Karabük, Turkey, 1 - 03 April 2015, vol.1, pp.317-320
- XXXI. **Effect of Mechanically Alloying on Direct Reduction of Iron from Steel Scale**
YILMAZ S. O. , TEKER T.
2. International Iron Steel Symposium IISS'15, Karabük, Turkey, 1 - 03 April 2015, vol.1, pp.45-48
- XXXII. **A quality evaluation of manuel (MIG) and Pulsed (P-MIG) welds of AISI304-AISI1040 steel couple**
TEKER T., KURŞUN T.
3rd International Conference on Welding Technologies and Exhibition ICWET'xx14, Manisa, Turkey, 21 - 23 May 2014, vol.1, pp.509-519
- XXXIII. **The Effect of Mechanical Alloying on M7C3 Reinforced NiAl Composites**
YILMAZ S. O. , DEMİR F., KARATAŞ S., TEKER T.
European Conference in Technology and Society, Eurotecs-2013, Sarajevo, Bosnia And Herzegovina, 27 - 28 June 2013, vol.1, pp.68-72
- XXXIV. **Hardness Changes of AISI 1020 Steel Surface Modified by HARDOX 450 and FeB Powder Mixture**
TEKER T., KARATAŞ S., YILMAZ S. O.
European Conference in Technology and Society, Eurotecs-2013, Sarajevo, Bosnia And Herzegovina, 27 - 28 June 2013, vol.1, pp.62-67
- XXXV. **Investigation Microstructure of Alloyed FeCrC, FeTi and FeW Mixed Powder on AISI 430 Stainless Steel by The Plasma Transferred Arc Welding**

- TEKER T., KARATAŞ S., YILMAZ S. O.
14th International Materials Symposium IMSP'2012, Denizli, Turkey, 10 - 12 October 2012, vol.1, pp.982-990
- XXXVI. **Effect of FeB Reinforcements on Wear Behavior of AISI 1040 Steel Coated by Flame Spray and Ni20cr Alloy Powders**
KARATAŞ S., TEKER T., YILMAZ S. O.
2. International Conference On Welding Technologies ICWET'12, Ankara, Turkey, 23 - 25 May 2012, vol.1, pp.479-484
- XXXVII. **Investigaton Microstruture of Alloyed FeCrC, FeW Mixed Powder on AISI 430 Stainless Steel by The Plasma Transferred Arc Weding**
TEKER T., KARATAŞ S., YILMAZ S. O.
2. International Conference On Welding Technologies ICWET'12, Ankara, Turkey, 23 - 25 May 2012, vol.1, pp.274-284
- XXXVIII. **Weldability Of Martensitic Stainless Steel To Medium Carbon Steel By Using Friction Welding**
KIRIK İ., ÖZDEMİR N., TEKER T.
International Iron Steel Symposium IISS'12, Karabük, Turkey, 2 - 04 April 2012, vol.1, pp.826-831
- XXXIX. **The effect of Current Intensity on Penetration Deep of AISI 430/ AISI 1040 Steel Couple Welded by Keyhole Plasma Transfer Arc Welding Process**
TEKER T., ÖZDEMİR N.
International Iron Steel Symposium IISS'12, Karabük, Turkey, 2 - 04 April 2012, vol.1, pp.762-768
- XL. **Effect of FeCr Reinforcements on Wear Behavior of AISI 1040 Steel Coated by Flame Spray and Ni20Cr Alloy Powders**
TEKER T., KARATAŞ S., YILMAZ S. O.
International Iron Steel Symposium IISS'12, Karabük, Turkey, 2 - 04 April 2012, vol.1, pp.728-733
- XLI. **The Effect of Heat Treatment temperature on The Microstructure of G.G.G-60 Acicular Sphero Cast Iron**
KARATAŞ S., TEKER T., YILMAZ S. O.
International Iron Steel Symposium IISS'12, Karabük, Turkey, 2 - 04 April 2012, vol.1, pp.544-550
- XLII. **Effect on Wear Behavior in Coated Surface by Thermal Spraying Processes and Ni-Al Alloy Of FeB Additioni**
KARATAŞ S., TEKER T., YILMAZ S. O.
I. International Surface Treatment Symposium (ISTS'11), İstanbul, Turkey, 15 - 18 June 2011, vol.1, pp.1024-1030
- XLIII. **Coating of FeCrC, FeTi, Powders on The Surface of AISI 430 Stainless Steel by Plasma Transferred Arc Welding Process**
TEKER T., YILMAZ S. O. , KARATAŞ S.
I. International Surface Treatment Symposium (ISTS'11, İstanbul, Turkey, 15 - 18 June 2011, vol.1, pp.1138-1144
- XLIV. **Microstructural Characteristic of Stellite 6 Reinforced Coatings on AISI 1010 Steel by Plasma Transferred Arc Weld**
YAZ M., TEKER T., KARATAŞ S.
I. International Surface Treatment Symposium (ISTS), İstanbul, Turkey, 15 - 18 June 2011, vol.1, pp.1173-1182
- XLV. **Surface Coating of X120Mn12 Steel by Using CoNiCrMo FeCrNi NiCr and FeNiAlMo Powders and PTA Process**
YILMAZ S. O. , KARATAŞ S., TEKER T.
I. International Surface Treatment Symposium (ISTS'11), İstanbul, Turkey, 15 - 18 June 2011, vol.1, pp.1145-1154
- XLVI. **Effect on Mechanical Properties of Current Input in The Joining by Keyhole Plasma Welding of AISI 430/AISI 1040 Steel Couples**
TEKER T., ÖZDEMİR N.
6. International Advenced Technologies Symposium (IATS'11), Elazığ, Turkey, 16 - 18 May 2011, vol.1, pp.253-258
- XLVII. **Investigation of Microstructure Characteristic of AISI 1040/AISI 430 Steel Couple Welded by Keyhole Plasma Arc Welding Technique**
TEKER T., ÖZDEMİR N.
6. International Advenced Technologies Symposium (IATS'11), Elazığ, Turkey, 16 - 19 May 2011, vol.1, pp.229-234

XLVIII. The Effect of Traverse Speed on The Mechanical Properties of Keyhole Plasma Arc Welded AISI 430/AISI 1040 Steel

TEKER T., ÖZDEMİR N.

1. International Conference On Welding Technologies ICWET'09, Ankara, Turkey, 11 - 13 June 2009, vol.1, pp.548-559

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Awards

Teker T., ADALAR İ., Yayın Teşvik, Tübitak, December 2020

Teker T., Yayın Teşvik, Tübitak, March 2016

Teker T., Yayın Teşvik, Tübitak, May 2015

Teker T., Yayın Teşvik, Tübitak, August 2014

Teker T., Yayın Teşvik, Tübitak, July 2014

Teker T., Yayın Teşvik, Tübitak, April 2014

Teker T., Yayın Teşvik, Tübitak, October 2013

Teker T., Yayın Teşvik, Tübitak, August 2013

Teker T., Yayın Teşvik, Tübitak, June 2013

Teker T., Yayın Teşvik, Tübitak, March 2012

Teker T., Yayın Teşvik, Tübitak, February 2009