

Prof. EMEL TABAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-5226-2018

ScopusID: 24068114300

Yoksis Researcher ID: 153165

Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 2004 - 2007

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 2002 - 2004

Undergraduate, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1998 - 2002

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Yapısal Uygulamalar İçin Geliştirilen Modifiye 12 Cr Ferritik Paslanmaz Çeliğinin Özellikleri ve Kaynak Kabiliyeti (Weldability and Properties of Modified 12 Cr Ferritic Stainless Steel for Structural Applications)- Tez, Erasmus değişim öğrencisi olarak Belçika Gent Üniversitesi'nde bulunmam ve tez eş danışmanının Prof. Dhooge olması nedeniyle o dönemki FBE yönetmeliği gereği hem İngilizce hem Türkçe dillerinde yazılmış ve İngilizce olarak savunulmuştur., Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2007

Postgraduate, 5xxx Serisi Alüminyum Alaşımlarının TIG, MIG ve Sürtünen Eleman ile Birleştirme (FSW) Kaynaklı Bağlantılarının Mekanik ve Mikroyapısal Özelliklerinin İncelenmesi (Investigation on Mechanical and Microstructural Properties of TIG, MIG and Friction Stir Welded 5xxx Series Aluminum Alloys), Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2004

Research Areas

Non-traditional manufacturing methods, Welding Methods, Material, Engineering and Technology

Academic Titles / Tasks

Professor, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2018 - Continues

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2012 - 2018

Academic and Administrative Experience

IAESTE (International Association for the Exchange of Students for Technical Experience) Kocaeli Üniversitesi

Koordinatörü, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2015 - Continues

Deputy Director of the Center, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2012 - Continues

Erasmus Coordinator, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2016 - 2019

Farabi Coordinator, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2015 - 2019

Courses

Postgraduate

Modern Kaynak Yöntemleri, Postgraduate, 2017 - 2018

Kaynağın Fiziksel Metalurjisi, Postgraduate, 2017 - 2018

Undergraduate

Final Project, Undergraduate, 2019 - 2020

Mechanical Engineering Lab., Undergraduate, 2019 - 2020

Mechanical Design Project, Undergraduate, 2019 - 2020

Çelik Üretim Teknolojisindeki Gelişmeler ve Yeni Nesil Çelikler, Undergraduate, 2017 - 2018

Supervised Theses

Taban E., T, Postgraduate, H.Nüman(Student), 2018

Taban E., T, Postgraduate, B.Gülşah(Student), 2018

Taban E., T, Doctorate, O.Oladimeji(Student), 2016

Taban E., T, Postgraduate, E.Ünel(Student), 2016

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Trakya Üniversitesi, January, 2025

Post Graduate, Post Graduate, Kocaeli Üniversitesi, January, 2025

Associate Professor Exam, Associate Professor Exam, Pamukkale Üniversitesi, January, 2025

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, November, 2024

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, November, 2024

Doctorate, Doctorate, Kocaeli Üniversitesi, July, 2024

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, April, 2024

Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, April, 2024

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kahramanmaraş Sütçü İmam Üniversitesi, January, 2024

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Erzincan Binali Yıldırım Üniversitesi, January, 2024

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Universitat de Barcelona, September, 2023

Post Graduate, Post Graduate, Türk-Alman Üniversitesi, July, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kocaeli Üniversitesi, May, 2023

Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, May, 2023
Associate Professor Exam, Associate Professor Exam, Aydın Adnan Menderes Üniversitesi, May, 2023
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Konya Teknik Üniversitesi, March, 2022
Associate Professor Exam, Associate Professor Exam, Konya Teknik Üniversitesi, February, 2022
Committee Of Expert, Committee Of Expert, Kocaeli University, January, 2022
Associate Professor Exam, Associate Professor Exam, Kocaeli Üniversitesi, December, 2020
Associate Professor Exam, Associate Professor Exam, Erciyes Üniversitesi, December, 2020
Associate Professor Exam, Associate Professor Exam, Mersin Üniversitesi, November, 2020
Associate Professor Exam, Associate Professor Exam, Karabük Üniversitesi, September, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Defects and post-manufacturing processes of additively manufactured steels: A Review (Part 2)**
Ojo O. O., TABAN E.
MATERIALS TESTING, vol.62, no.8, pp.835-848, 2020 (SCI-Expanded)
- II. **Effect of inoculant type and treatment material quantity on properties of vermicular graphite cast iron rail vehicle brake discs**
Er O., KALUÇ E., TABAN E., ÖZSARAÇ U.
MATERIALS TESTING, vol.61, no.12, pp.1197-1207, 2019 (SCI-Expanded)
- III. **Dissimilar robotic cold metal transfer (CMT) welding of an aluminum alloy to galvanized steel**
Numan H., TABAN E.
Materialpruefung/Materials Testing, vol.61, no.1, pp.91-96, 2019 (SCI-Expanded)
- IV. **Effect of residual Alclad on friction stir spot welds of AA2219 alloys**
Ojo O. O., Taban E., Kaluç E.
Materialpruefung/Materials Testing, vol.60, pp.979-988, 2018 (SCI-Expanded)
- V. **Hybrid multi-response optimization of friction stir spot welds: failure load, effective bonded size and flash volume as responses**
Ojo O. O., TABAN E.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.43, no.6, 2018 (SCI-Expanded)
- VI. **Properties and optimization of friction stir spot welded aluminum alloy 3003-H14**
Taban E., Gun D., Kaluç E., Baynal K.
Materialpruefung/Materials Testing, vol.60, pp.367-372, 2018 (SCI-Expanded)
- VII. **Loop travel-path of fibre laser welded Alclad AA2219-0 alloy**
Ojo O. O., Taban E., Kaluç E.
Journal of Materials Processing Technology, vol.251, pp.118-126, 2018 (SCI-Expanded)
- VIII. **Properties and optimization of dissimilar aluminum steel CMT welds**
Unel E., TABAN E.
WELDING IN THE WORLD, vol.61, no.1, pp.1-9, 2017 (SCI-Expanded)
- IX. **Understanding the role of welding parameters and tool profile on the morphology and properties of expelled flash of spot welds**
Oladimeji O. O., Taban E., Kaluç E.
Materials and Design, vol.108, pp.518-528, 2016 (SCI-Expanded)
- X. **Trend and innovations in laser beam welding of wrought aluminum alloys**
Oladimeji O. O., Taban E.
Welding in the World, vol.60, no.3, pp.415-457, 2016 (SCI-Expanded)
- XI. **Properties, weldability and corrosion behavior of supermartensitic stainless steels for on-and offshore applications**
TABAN E., KALUÇ E., Ojo O. O.
Materialpruefung/Materials Testing, vol.58, no.6, pp.501-518, 2016 (SCI-Expanded)

- XII. **Friction stir spot welding of aluminum alloys: A recent review**
Ojo O. O., Taban E., Kaluç E.
Materialpruefung/Materials Testing, vol.57, pp.609-627, 2015 (SCI-Expanded)
- XIII. **Mechanical, fatigue and microstructural properties of friction stir welded 5083-H111 and 6082-T651 aluminum alloys**
Gungor B., Kaluç E., Taban E., Sik A.
MATERIALS & DESIGN, vol.56, pp.84-90, 2014 (SCI-Expanded)
- XIV. **Effect of the purging gas on properties of 304H GTA welds**
TABAN E., KALUÇ E., Aykan T.
Welding Journal, vol.93, no.4, 2014 (SCI-Expanded)
- XV. **Mechanical and microstructural properties of robotic Cold Metal Transfer (CMT) welded 5083-H111 and 6082-T651 aluminum alloys**
Gungor B., Kaluç E., Taban E., Sik Ş.Ş A.
Materials and Design, vol.54, pp.207-211, 2014 (SCI-Expanded)
- XVI. **Effect of the purging gas on properties of Ti stabilized AISI 321 stainless steel TIG Welds**
Taban E., Kaluç E., Aykan T. S.
Materialpruefung/Materials Testing, vol.56, pp.950-957, 2014 (SCI-Expanded)
- XVII. **Effect of the consumable on the properties of gas metal arc welded EN 1.4003-type stainless steel**
TABAN E., Dhooge A., KALUÇ E., Deleu E.
Welding Journal, vol.91, no.8, 2012 (SCI-Expanded)
- XVIII. **Welding behaviour of duplex and superduplex stainless steels using laser and plasma arc welding processes**
Taban E., Kaluç E.
Welding in the World, vol.55, pp.48-57, 2011 (SCI-Expanded)
- XIX. **Dissimilar friction welding of 6061-T6 aluminum and AISI 1018 steel: Properties and microstructural characterization**
TABAN E., Gould J. E., Lippold J. C.
Materials and Design, vol.31, no.5, pp.2305-2311, 2010 (SCI-Expanded)
- XX. **Characterization of 6061-T6 aluminum alloy to AISI 1018 steel interfaces during joining and thermo-mechanical conditioning**
Taban E., Gould J. E., Lippold J. C.
Materials Science and Engineering A, vol.527, pp.1704-1708, 2010 (SCI-Expanded)
- XXI. **Hybrid (plasma + gas tungsten arc) weldability of modified 12% Cr ferritic stainless steel**
TABAN E., KALUÇ E., Dhooge A.
Materials and Design, vol.30, no.10, pp.4236-4242, 2009 (SCI-Expanded)
- XXII. **POSSIBILITIES AND LIMITATIONS TO IMPROVE THE WELDABILITY OF LOW CARBON 12Cr FERRITIC STAINLESS STEEL FOR EXPANDED INDUSTRIAL APPLICATIONS**
DELEU E., DHOOGHE A., TABAN E., KALUÇ E.
WELDING IN THE WORLD, vol.53, 2009 (SCI-Expanded)
- XXIII. **Laser welding of modified 12% Cr stainless steel: Strength, fatigue, toughness, microstructure and corrosion properties**
Taban E., Deleu E., Dhooge A., Kaluç E.
Materials and Design, vol.30, pp.1193-1200, 2009 (SCI-Expanded)
- XXIV. **Plasma Arc Welding of Modified 12%Cr Stainless Steel**
TABAN E., DHOOGHE A., KALUÇ E.
MATERIALS AND MANUFACTURING PROCESSES, vol.24, no.6, pp.649-656, 2009 (SCI-Expanded)
- XXV. **Evaluation of dissimilar welds between ferritic stainless steel modified 12% Cr and carbon steel S355**
Taban E., Deleu E., Dhooge A., Kaluç E.
Welding Journal (Miami, Fla), vol.87, 2008 (SCI-Expanded)
- XXVI. **Joining of duplex stainless steel by plasma arc, TIG, and plasma arc+TIG welding processes**

- TABAN E.
Materials and Manufacturing Processes, vol.23, no.8, pp.871-878, 2008 (SCI-Expanded)
- XXVII. **Submerged arc welding of thick ferritic martensitic 12Cr stainless steel with a variety of consumables**
Taban E., Deleu E., Dhooge A., Kaluç E.
Science and Technology of Welding and Joining, vol.13, pp.327-334, 2008 (SCI-Expanded)
- XXVIII. **Toughness and microstructural analysis of superduplex stainless steel joined by plasma arc welding**
TABAN E.
Journal of Materials Science, vol.43, no.12, pp.4309-4315, 2008 (SCI-Expanded)
- XXIX. **Comparison between microstructure characteristics and joint performance of 5086-H32 aluminium alloy welded by MIG, TIG and friction stir welding processes**
Taban E., Kaluç E.
Kovove Materialy, vol.45, pp.241-248, 2007 (SCI-Expanded)
- XXX. **Gas metal arc welding of modified X2CrNi12 ferritic stainless steel**
Taban E., Deleu E., Dhooge A., Kaluç E.
Kovove Materialy, vol.45, pp.67-74, 2007 (SCI-Expanded)
- XXXI. **Microstructural and mechanical properties of double-sided MIG, TIG and friction stir welded 5083-H321 aluminium alloy**
Taban E., Kaluç E.
Kovove Materialy, vol.44, pp.25-33, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Laser Welding of Aluminum to Copper: Properties of The Welded Joints and Optimization of Parameters**
Şahin F., Taban E.
Bulletin of materials and metallurgy, vol.1, no.3, pp.7-15, 2024 (Scopus)
- II. **Enhancement of material properties of SS 316 L base metal by TIG cladding process**
Varun Kumar A., Pradeep Krishna R., TABAN E.
Journal of Alloys and Metallurgical Systems, vol.8, 2024 (Scopus)
- III. **Enhancement of material properties of SS 316 L base metal by TIG cladding process**
Taban E., Kumar V., Krishna R. P.
Journal of Alloys and Metallurgical Systems, vol.8, pp.100121, 2024 (Peer-Reviewed Journal)
- IV. **Assessment of effective nugget size, nugget rotation and failure mode of friction stir spot welds of AA2219-O alloy**
Taban E., Ojo O. O.
FUTA JOURNAL OF ENGINEERING AND ENGINEERING TECHNOLOGY, no.12, pp.42-53, 2018 (Peer-Reviewed Journal)
- V. **Alüminyum ve Alüminyum Alaşımlarının Ark Kaynak Yöntemleri ile Birleştirilmesi**
Kaluç E., Taban E.
Metal Dünyası, no.174, pp.130-162, 2007 (Peer-Reviewed Journal)
- VI. **Yapısal Uygulamalar İçin Geliştirilen Modifiye 12 Cr Ferritik Paslanmaz Çeliğinin Tozaltı Kaynaklı Bağlantılarının Özellikleri**
Taban E., Kaluç E., Deleu E., Dhooge A.
Mühendis ve Makina, vol.48, no.573, pp.3-10, 2007 (Peer-Reviewed Journal)
- VII. **Sürtünen Eleman ile Kaynak (FSW) Yöntemi Makinaları Bölüm 2.- Özel Geliştirilmiş FSW Makinaları**
Taban E., Kaluç E.
MakinaTEK, no.111, pp.68-73, 2007 (Non Peer-Reviewed Journal)
- VIII. **Microstructural Analysis and Structure-Property Relationship of SMAW Welded 12 Cr Stainless Steel**
Taban E., Deleu E., Dhooge A., Kaluç E.

Deformasyon Sac İşleme (International Forming and Sheet Metal Technologies), no.4, pp.60-64, 2007 (Peer-Reviewed Journal)

- IX. **Sürtünen Eleman ile Kaynak (FSW) Yöntemi Makinaları Bölüm 1.- Alışılmış FSW Makinaları**
Taban E., Kaluç E.
MakinaTEK, no.110, pp.100-105, 2007 (Peer-Reviewed Journal)
- X. **Alüminyum ve Alaşımlarının Plazma Ark Kaynağındaki Gelişmeler**
Kaluç E., Taban E.
Metal Dünyası, no.164, pp.104-112, 2007 (Peer-Reviewed Journal)
- XI. **Havacılık, Uzay, Taşıt ve Gemi Yapım Endüstrilerinde Kullanılan Sürtünen Eleman ile Birleştirme (FSW) Kaynak Yönteminin Esasları**
Taban E., Kaluç E.
MakinaTek, no.112, pp.52-57, 2006 (Peer-Reviewed Journal)
- XII. **Havacılık, Uzay, Taşıt ve Gemi Yapım Endüstrilerinde Kullanılan Sürtünen Eleman ile Birleştirme (FSW) Kaynak Yönteminin Esasları**
Taban E., Kaluç E.
MakinaTEK, no.12, pp.52-57, 2006 (Peer-Reviewed Journal)
- XIII. **Krom-Nikelli Paslanmaz Çelikler ve Modifiye Edilmiş Türleri**
Kaluç E., Taban E.
Metal Dünyası, no.163, pp.124-133, 2006 (Peer-Reviewed Journal)
- XIV. **Alüminyum ve Alüminyum Alaşımlarının Kaynağı İçin Kaynak Ağızlarının Hazırlanması- Bölüm 2**
Taban E., Kaluç E.
MakinaTek, Ağustos, 116- 121 (2006)., no.111, pp.116-121, 2006 (Peer-Reviewed Journal)
- XV. **Alüminyum ve Alüminyum Alaşımlarının Kaynağı İçin Kaynak Ağızlarının Hazırlanması- Bölüm 1", MakinaTek, Temmuz, 106- 110 (2006).**
Kaluç E., Taban E.
MakinaTek, Temmuz, 106- 110 (2006)., no.110, pp.106-110, 2006 (Peer-Reviewed Journal)
- XVI. **Alüminyum ve Alüminyum Alaşımlarının TIG Kaynağı- Bölüm 2**
Taban E., Kaluç E.
MakinaTEK, no.102, pp.122-126, 2006 (Peer-Reviewed Journal)
- XVII. **Paslanmaz Çeliklerin Laser Kaynağı**
Taban E., Kaluç E.
Metal Dünyası, no.157, pp.96-103, 2006 (Peer-Reviewed Journal)
- XVIII. **Alüminyum ve Alüminyum Alaşımlarının TIG Kaynağı- Bölüm 1**
Taban E., Kaluç E.
MakinaTEK, no.101, pp.118-124, 2006 (Peer-Reviewed Journal)
- XIX. **Elektrocüruf Kaynağı ve Endüstriyel Uygulamaları**
Taban E., Kaluç E., Dhooge A.
Metal Dünyası, no.156, pp.100-106, 2006 (Peer-Reviewed Journal)
- XX. **Termit Kaynağı ve Uygulama Alanları**
Kaluç E., Taban E.
MakinaTEK, no.96, pp.116-121, 2005 (Peer-Reviewed Journal)
- XXI. **Alüminyum ve Alüminyum Alaşımlarının MIG Kaynağı**
Kaluç E., Taban E.
Metal Dünyası, no.144, pp.130-141, 2005 (Peer-Reviewed Journal)
- XXII. **Doğalgaz Boru Hatlarında Kullanılan Polietilen Boruların Kaynağı- Bölüm 2: Alın ergitme ve ekstrüzyon Kaynağı**
Kaluç E., Taban E.
MakinaTEK, no.96, pp.118-124, 2005 (Peer-Reviewed Journal)
- XXIII. **Doğalgaz Boru Hatlarında Kullanılan Polietilen Boruların Kaynağı- Bölüm 1: Elektro ergitme Kaynağı**
Kaluç E., Taban E.
MakinaTEK, no.96, pp.118-125, 2005 (Peer-Reviewed Journal)

- XXIV. **Alüminyum ve Alüminyum Alaşımlarının Kaynak Kabiliyeti**
Kaluç E., Taban E.
Metal Dünyası, no.143, pp.154-162, 2005 (Peer-Reviewed Journal)
- XXV. **Alüminyum ve Alüminyum Alaşımların Standard Gösterimleri**
Kaluç E., Taban E.
MakinaTEK, no.90, pp.178-185, 2005 (Peer-Reviewed Journal)
- XXVI. **Alüminyum ve Alüminyum Alaşımları- Endüstriyel Uygulama Alanları**
Taban E., Kaluç E.
Metal Dünyası, no.141, pp.107-114, 2005 (Peer-Reviewed Journal)
- XXVII. **EN AW-5083-H321 Alüminyum Alaşımının MIG, TIG ve Sürtünen Eleman ile Birleştirme (FSW) Kaynaklı Bağlantılarının Mekanik ve Mikroyapısal Özellikleri**
Taban E., Kaluç E.
Mühendis ve Makina, vol.46, no.541, pp.40-51, 2005 (Peer-Reviewed Journal)
- XXVIII. **Sürtünen Eleman ile Birleştirme (FSW) Kaynaklı EN AW-5083- EN AW-5086 Alüminyum Alaşımı Bağlantılarının Mekanik ve Mikroyapısal Özellikleri**
Taban E., Kaluç E.
Metal Dünyası, no.140, pp.84-90, 2005 (Peer-Reviewed Journal)
- XXIX. **Katı Oksit Yakıt Pillerindeki Gelişmeler**
Taban E., Kaluç E.
Metal Dünyası, no.139, pp.95-101, 2004 (Peer-Reviewed Journal)
- XXX. **Yakıt Pilleri ve Endüstriyel Uygulamaları**
Taban E., Kaluç E.
MakinaTEK, no.86, pp.120-127, 2004 (Peer-Reviewed Journal)
- XXXI. **Plazma Arkı ile Kaynak ve Endüstriyel Uygulamaları” Bölüm II**
Kaluç E., Taban E.
MakinaTEK, no.83, pp.97-101, 2004 (Peer-Reviewed Journal)
- XXXII. **Sürtünen Eleman ile Birleştirme (FSW) Kaynaklı EN AW-5086 Alüminyum Alaşımı Bağlantılarının Mekanik ve Mikroyapısal Özellikleri**
Taban E., Kaluç E.
Metal Dünyası, no.138, pp.63-68, 2004 (Peer-Reviewed Journal)
- XXXIII. **Sürtünen Eleman ile Birleştirme (FSW) Kaynaklı EN AW-5083 Alüminyum Alaşımı Bağlantılarının Mekanik ve Mikroyapısal Özellikleri**
Taban E., Kaluç E.
Metal Dünyası, no.137, pp.125-130, 2004 (Peer-Reviewed Journal)
- XXXIV. **Plazma Arkı ile Kaynak ve Endüstriyel Uygulamaları” Bölüm 1**
Kaluç E., Taban E.
MakinaTEK, no.82, pp.116-123, 2004 (Peer-Reviewed Journal)
- XXXV. **Petrol ve Doğalgaz Boru Hatlarının Yapımında Kullanılan Süpermartenzitik Paslanmaz Çelikler ve Kaynak Edilebilirliği**
Taban E., Kaluç E.
Mühendis ve Makina, vol.45, no.536, pp.26-37, 2004 (Peer-Reviewed Journal)
- XXXVI. **Alüminyum ve Alüminyum Alaşımlarının Sürtünen Eleman ile Birleştirme Kaynağında (FSW) Kaynak Bölgesinin Mikroyapısal Özellikleri**
Taban E., Kaluç E.
Metal Dünyası, no.136, pp.131-140, 2004 (Peer-Reviewed Journal)
- XXXVII. **Laser Işını ile Kaynak Yöntemi**
Kaluç E., Taban E.
MakinaTEK, no.80, pp.76-85, 2004 (Peer-Reviewed Journal)
- XXXVIII. **Alüminyum ve Alüminyum Alaşımlarının Sürtünen Eleman ile Birleştirme (FSW) Kaynağı ve Endüstriyel Uygulamaları**
Taban E., Kaluç E.

- Metal Dünyası, no.135, pp.79-84, 2004 (Peer-Reviewed Journal)
- XXXIX. **Elektron Işın Kaynağındaki Gelişmeler**
Kaluç E., Taban E.
MakinaTEK, pp.102-110, 2004 (Peer-Reviewed Journal)
- XL. **Süpermartenzitik Paslanmaz Çelikler, Kaynak Kabiliyetleri ve Korozyon Davranışları**
Taban E., Kaluç E.
Metal Dünyası, no.133, pp.117-125, 2004 (Peer-Reviewed Journal)
- XLI. **Elektron Işın Kaynağındaki Gelişmeler**
Kaluç E., Taban E.
MakinaTek, no.6, pp.102-110, 2004 (Peer-Reviewed Journal)
- XLII. **"Petrol ve Doğalgaz Boru Hatlarının Yapımında Kullanılan Süpermartenzitik Paslanmaz Çelikler ve Kaynak Edilebilirliği**
Taban E., Kaluç E.
Metal Dünyası, vol.12, no.132, pp.77-83, 2004 (Peer-Reviewed Journal)

Books

- I. **Paslanmaz Çelikler Geliştirilen Yeni Türleri ve Kaynak Edilebilirlikleri Erdinç KALUÇ Emel TABAN**
KALUÇ E., TABAN E.
TMMOB Makina Mühendisleri Odası, Ankara, 2007
- II. **SÜRTÜNEN ELEMEN İLE KAYNAK (FSW) YÖNTEMİ (SÜRTÜNME KARIŞTIRMA KAYNAĞI)**
Kaluç E., Taban E.
TMMOB Makine Mühendisleri Odası Yayınları, Ankara, 2007
- III. **Paslanmaz Çelikler, Geliştirilen Yeni Türleri ve Kaynak Edilebilirlikleri**
Kaluç E., Taban E.
TMMOB Makine Mühendisleri Odası Yayınları, Ankara, 2007
- IV. **İleri Kaynak Teknolojisi Ders Notları**
Kaluç E., Taban E.
Kocaeli Üniversitesi Yayını, Kocaeli, 2003

Papers Published in Refereed Scientific Meetings

- I. **Purge Gas for Welding of Stainless Steel Pipes: Must or Luxury?**
Taban E.
WAM 2024- 2. International Conference and Exhibition- Advances in Welding and Metal Additive Manufacturing Technologies, İstanbul, Turkey, 21 - 22 November 2024, pp.1-2
- II. **Dissimilar Welding: A Growth Area or a Challenge**
Taban E.
12th Int. Congress on Engineering and Technology Management, İstanbul, Turkey, 8 - 10 November 2024
- III. **Laser Welding of Aluminum to Copper: Properties of the Welded Joints and Optimization of Parameters**
Şahin F., Taban E.
IMMC2024- 22nd International Metallurgy and Materials Congress, İstanbul, Turkey, 19 - 21 September 2024, pp.587-588
- IV. **TIG Kaynağı ve Özlü Tel ile Ark Kaynağı Yöntemleri ile Birleştirilen X1CrNiMoCuN20-18-7 (SMO254) Malzemesinin Mekanik ve Mikroyapı Özelliklerinin İncelenmesi**
Taban E., Satroğlu C. C.
13. Ulusal Kaynak teknolojileri Kongre ve Sergisi, TIG Kaynağı ve Özlü Tel ile Ark Kaynağı Yöntemleri ile Birleştirilen X1CrNiMoCuN20-18-7 (SMO254) Malzemesinin Mekanik ve Mikroyapı Özelliklerinin İncelenmesi, ,

Ankara, Turkey, 17 - 18 November 2023, pp.284-297

- V. **Joining Dissimilar Materials: Understanding Aluminum to Steel Interfaces During Joining and Beyond**
Taban E.
International Hybrid Conference WAM 2023, İstanbul, Turkey, 30 - 31 October 2023, pp.1-2
- VI. **Overcoming Challenges: Beyond Aluminum Welds**
Taban E.
1st International Conference on Sustainable Technologies and Advances in Automation, Aerospace and Robotics (STAAAR-2022), Bhopal, India, 16 - 17 December 2022
- VII. **Properties of Laser Welded 3003 Aluminum Alloy**
Cebeci A., Taban E.
IMMC2022- 21st International Metallurgy and Materials Congress, İstanbul, Turkey, 6 - 08 October 2022, pp.613-617
- VIII. **Design of High Strength and High Torque Resistance Wire Rope**
Duman F., Taban E., Esen S. G.
IMMC2022- 21st International Metallurgy and Materials Congress, İstanbul, Turkey, 6 - 08 October 2022, pp.595-599
- IX. **Challenges in aluminum welding: Comparative appraisal of friction stir spot welded and laser beam welded aluminium alloy sheets**
Taban E., Ojo O. O.
ICMERE 2021- International Conference in Mechanical Engineering and Renewable Energy, Chittagong Division, Bangladesh, 12 - 13 December 2021, pp.1-2
- X. **TIG (GTAW) Kaynaklı Ostenitik Paslanmaz Çelik Borularda Kök Koruma Gazının Mekanik, Mikroyapı, Tokluk ve Korozyon Özellikleri Üzerine Etkileri**
Taban E., Kaluç E., Aykan S.
Kaynak Teknolojisi 12. Ulusal Kongre ve Sergisi, Ankara, Turkey, 19 - 20 November 2021, pp.247-257
- XI. **Recent Developments in Welding and Weldability of Stainless Steels: Modified 12 %Cr Stainless Steels and Beyond”, ETMARE 2021, Emerging Trends in Mechanical, Aerospace and Robotics Engineering, amongs the 9 eminent speakers all over the World, 07- 09 Temmuz 2021, Day 2, session 2D, invited as Keynote speaker.**
Taban E.
ETMARE 2021, Emerging Trends in Mechanical, Aerospace and Robotics Engineering, Velluru, India, 7 - 09 July 2021
- XII. **TIG (GTAW) Kaynak Yönteminde Son Gelişmeler ve Endüstriyel Uygulamaları**
Kaluç E., Taban E.
Kaynak Kongresi 11. Ulusal Kongre ve Sergisi, Ankara, Turkey, 15 - 16 November 2019, pp.53-63
- XIII. **Raylı Araç Fren Disklerinin Dökümünde Tretman Malzemesi Miktarının Mekanik Özellikler ve Havalandırma Sistem Tasarımının Soğutma Performansı Üzerine Etkilerinin İncelenmesi**
Er O., Kaluç E., Taban E., Öz Saraç U.
4. Uluslararası Raylı Sistemler Mühendisliği Sempozyumu (ISERSE), Karabük, Turkey, 10 - 12 October 2018, pp.99-110
- XIV. **SA 387 Gr 11 C1 2 13CrMo4 5 Yüksek Sıcaklık Dayanımlı Çeliğin Tekrarlı Isıl İşlem Koşullarında Dayanım Özelliklerinin Değişimi**
Barbaros G., Taban E.
Kaynak Kongresi IX. Ulusal Kongre ve Sergisi, Ankara, Turkey, 20 - 21 November 2015, pp.291-299
- XV. **Alüminyum Çelik CMT Kaynaklı Bağlantılarının Özellikleri ve Optimizasyonu**
Erdem Ü., Taban E.
7. Alüminyum Sempozyumu, İstanbul, Turkey, 7 - 08 October 2015, pp.601-610
- XVI. **Properties and Optimization of Dissimilar Aluminum Steel CMT Welds**
Erdem Ü., Taban E.
Annual Assembly of International Institute of Welding Commission II Meeting, Helsinki, Finland, 29 June - 03 July 2015

- XVII. **Similar and Dissimilar Friction Stir and Cold Metal Transfer Welds of 5083 H111 and 6082 T651 aluminum alloys**
Güngör B., Taban E., Kaluç E., Şık A.
IIW 2015 ANNUAL MEETING, İstanbul, Turkey, 2 - 05 March 2015
- XVIII. **A New Potential for Welded Structures in Modified X2CrNi12: Characterization of Dissimilar Arc Weld with S355 Steel**
Taban E., Kaluç E., Dhooge A., Deleu E.
Fabrication and Economy of Welded Structures, Miskolc, Hungary, 24 - 26 April 2008, vol.1, pp.511-518
- XIX. **Study of the Weld Zone of Friction Welded C45/1.3344PM Dissimilar Steel Joints**
Kaluç E., Taban E.
Design, Fabrication and Economy of Welded Structures Design, Fabrication and Economy of Welded Structures, Miskolc, Hungary, 24 - 26 April 2008, vol.1, pp.469-475
- XX. **Mechanical, Microstructural and Fracture Properties of MIG, TIG and Friction Stir Welded 5086 Aluminium Alloy**
Taban E., Kaluç E.
11th. International Denizli Materials Symposium 2006, Proceedings Book, Denizli, 922- 927, Türkiye, 2006., Denizli, Turkey, 25 October 2006, pp.920-927
- XXI. **Investigation on Mechanical and Microstructural Properties of Welded X2CrNi12 Ferritic Stainless Steel**
Taban E., Deleu E., Dhhoge A., Kaluç E.
DVS- Schweißen und Schneiden 2006 , Aachen, Germany, 20 - 22 September 2006, pp.74-79
- XXII. **MECHANICAL, MICROSTRUCTURAL AND TOUGHNESS PROPERTIES OF WELDED X2CrNi12 FERRITIC STAINLESS STEEL**
Taban E., Deleu E., Dhooge A., Kaluç E.
11. International Materials Symposium, Denizli, Turkey, 19 - 21 April 2006, pp.918-921
- XXIII. **Investigation on Mechanical and Microstructural Properties of TIG, MIG and FS Welded 5083-5086 Aluminium Alloys**
Kaluç E., Taban E.
DVS Annual Welding Conference , Essen, Germany, 12 - 14 September 2005, pp.49-54
- XXIV. **Süpermartenzitik Paslanmaz Çelikler, Kaynak Kabiliyetleri ve Korozyon Davranışları**
Taban E., Kaluç E.
10. Denizli Malzeme Sempozyumu ve Sergisi, Denizli, Turkey, 14 - 16 April 2004, pp.989-999
- XXV. **Petrol ve Doğalgaz Boru Hatlarının Yapımında Kullanılan Süpermartenzitik Paslanmaz Çelikler ve Kaynağı**
Taban E., Kaluç E.
Kaynak Teknolojisi IV. Ulusal Kongresi,, Kocaeli, Turkey, 24 - 25 October 2003, no.339, pp.257-267

Supported Projects

Taban E., Toksöz Y., TUBITAK Project, Sıcak Preslenmiş ve 980 MPa Çift Fazlı Sacların Kaynağı için Fiber Lazerli Punta Kaynağı Tabancasının Hücresinin Prosesinin Geliştirilmesi ve Lazer Spot Kaynağı Parametre Seti Oluşturulması, 2019 - 2022

TABAN E., Project Supported by Higher Education Institutions, ALÜMİNYUM ALAŞIMININ SÜRTÜNME KARIŞTIRMA NOKTA KAYNAĞI VE LAZER IŞIN KAYNAĞI İLE YAPILAN BAĞLANTILARINI MEKANİK VE MİKRO YAPISAL ÖZELLİKLERİNİN İNCELENMESİ VE PROSES PARAMETRELERİNİN OPTİMİZASYONU, 2015 - 2016

TABAN E., KALUÇ E., Industrial Thesis Project, Raylı Taşıtlarda Kullanılan Fren Disklerinin Vermiküler Grafitli Dökme Demir Olarak Üretimi ile Mekanik Özelliklerinin İyileştirilmesi, 2014 - 2016

Taban E., TUBITAK Project, Alüminyum alaşımı ile galvanize çeliğin soğuk metal transferi (CMT) yöntemi ile birleştirilmesinde mekanik ve mikroyapısal özelliklerinin incelenmesi ve parametrelerin optimizasyonu, 2015 - 2015

Taban E., Kaluç E., Company, Petrokimya Endüstrisinde Kullanılan Paslanmaz Çelik Boruların Kaynak Özelliklerinin

Geliştirilmesi, 2011 - 2013

Taban E., Project Supported by Private Organizations in Other Countries, Joining Dissimilar Materials: Understanding Aluminum to ferrous alloy interfaces during joining and thermomechanical conditioning, 2008 - 2009

Taban E., Dhooge A., Universities of Other Countries Supported Project, Stainless steel type X2CrNi12 for structural applications- weldability, welding technology and properties of welded joints, 2005 - 2006

Activities in Scientific Journals

Jiens- Journal of International Engineering and Natural Science, Editor, 2021 - Continues

Metal Dünyası- Kaynak Teknolojisi Editörü, Editor, 2019 - Continues

Memberships / Tasks in Scientific Organizations

Kaynak Teknolojisi 14. Kongre ve Sergisi, Member of Science Committee, 2025 - Continues, Turkey

Tübitak Teydeb Yürütme Kurul Üyeliği, Executive Board Member, 2024 - Continues, Turkey

Kaykon-Kaynak Teknolojisi 13. Ulusal Kongre ve Sergisi, Member of Science Committee, 2023 - Continues, Turkey

IMMC2024- 22nd International Metallurgy and Materials Congress, Member of Science Committee, 2023 - Continues, Turkey

GEVKATEK Ulusal Kaynak Kongresi Bilim Kurul Üyeliği, Member of Science Committee, 2023 - Continues, Turkey

Uluslararası Kaynak Enstitüsü Ulusal Yetkili Kurum Sınav Kurulu Üyeliği (IIW TR-ANB Examination Board Membership), Member of Science Committee, 2020 - Continues, Turkey

Uluslararası Kaynak Enstitüsü Ulusal Yetkili Kurum Yönetim Kurulu Üyeliği (IIW TR-ANB Board Membership), Board Member, 2019 - Continues, Turkey

Türk Kaynak Tekn. Akademisi, Member of Science Committee, 2014 - Continues

Turkey Delegate of International Institute of Welding Technical Commission II (Arc Welding), Member of Science Committee, 2013 - Continues

Turkey Delegate of International Institute of Welding Technical Commission IX (Weldability and Welding metallurgy), Member of Science Committee, 2013 - Continues

Turkey Delegate of International Institute of Welding Technical Commission IV (High energy welding processes), Member of Science Committee, 2013 - Continues

Türk Standartları Enstitüsü Kaynak Komisyonu, Member, 2012 - Continues

Authorized National Body of Turkey- International Institute of Welding, Board Member, 2011 - Continues

German Welding Society, Member, 2005 - Continues

American Welding Society, Member, 2004 - Continues

21. Uluslararası Metalurji ve Malzeme Kongresi, Member of Science Committee, 2022 - 2022, Turkey

Peer Reviews in Scientific Publications

Gazi University Journal of Science Part A: Engineering and Innovation, Journal Indexed in SCI-E, January 2025

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART C: JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, May 2024

Turkish Journal of Engineering, Journal Indexed in SCI-E, April 2024

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART C: JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, March 2024

WELDING IN THE WORLD, LE SOUDAGE DANS LE MONDE, National Scientific Refreed Journal, January 2024

WELDING IN THE WORLD, LE SOUDAGE DANS LE MONDE, Journal Indexed in SCI-E, January 2024

WELDING IN THE WORLD, LE SOUDAGE DANS LE MONDE, Journal Indexed in SCI-E, January 2024

13. Ulusal Kaynak Tekn. Kongre Ve Sergisi Bildiri Tam Metin Değerlendirme 2, Conference Paper (Full Text), October

2023

13. Ulusal Kaynak Tekn. Kongre ve Sergisi Bildiri tam metin değerlendirme 1, Conference Paper (Full Text), October 2023

13. Ulusal Kaynak Tekn. Kongre Ve Sergisi Bildiri Tam Metin Değerlendirme 3, Conference Paper (Full Text), October 2023

Kaynak Teknolojisi 13. Ulusal Kongre ve Sergisi Bildiri Tam metin değerlendirme 5, Conference Paper (Full Text), September 2023

Kaynak Teknolojisi 13. Ulusal Kongre ve Sergisi Bildiri Tam metin değerlendirme 4, Conference Paper (Full Text), September 2023

JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, Journal Indexed in SCI-E, July 2023

MATERIALS AND DESIGN, Journal Indexed in SCI-E, June 2023

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, National Scientific Refreed Journal, April 2023

MATERIALS AND DESIGN, Journal Indexed in SCI-E, April 2023

METALLOGRAPHY, MICROSTRUCTURE, AND ANALYSIS, Journal Indexed in SCI-E, January 2023

WELDING IN THE WORLD, LE SOUDAGE DANS LE MONDE, Journal Indexed in SCI-E, December 2022

Advances in Industrial and Manufacturing Engineering, Journal Indexed in SCI-E, November 2022

MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, Journal Indexed in SCI-E, November 2022

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, September 2022

WELDING IN THE WORLD, LE SOUDAGE DANS LE MONDE, Journal Indexed in SCI-E, September 2022

Metallography Microstructure and Analysis, Journal Indexed in ESCI, July 2022

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, July 2022

WELDING IN THE WORLD, SCI Journal, July 2022

VACUUM, Journal Indexed in SCI-E, July 2022

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, June 2022

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, December 2021

WELDING IN THE WORLD, Journal Indexed in SCI-E, October 2021

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART C: JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, October 2021

Welding International, Other Indexed Journal, September 2021

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, September 2021

WELDING IN THE WORLD, Journal Indexed in SCI-E, August 2021

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, July 2021

JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, Journal Indexed in SCI-E, July 2021

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, July 2021

FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES, Journal Indexed in SCI-E, July 2021

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, July 2021

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, July 2021

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, July 2021

materials research, Journal Indexed in ESCI, May 2021

ECS Journal of Solid State Science and Technology, Other Indexed Journal, May 2021

Materials Research, Journal Indexed in ESCI, May 2021

WELDING IN THE WORLD, Journal Indexed in SCI-E, April 2021

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, April 2021

Metallography, Microstructure and Analysis, Other Indexed Journal, April 2021

Advances in Industrial and Manufacturing Engineering, Other Indexed Journal, April 2021

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Journal Indexed in SCI-E, March 2021

Advances in Industrial and Manufacturing Engineering, Other Indexed Journal, March 2021

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, February 2021
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, February 2021
Metal Dünyası, Other Journals, February 2021
Metal Dünyası, Other Journals, January 2021
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, December 2020
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, November 2020
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, September 2020
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, SCI Journal, August 2020
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, SCI Journal, July 2020
DEFENCE TECHNOLOGY, Journal Indexed in SCI-E, January 2020
DEFENCE TECHNOLOGY, Journal Indexed in SCI-E, January 2020
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, January 2020
CORROSION SCIENCE, SCI Journal, December 2019
DEFENCE TECHNOLOGY, Journal Indexed in SCI-E, December 2019
DEFENCE TECHNOLOGY, Journal Indexed in SCI-E, December 2019
metallography Microstructure and Analysis, Other Indexed Journal, November 2019
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, SCI Journal, November 2019
CORROSION, Journal Indexed in SCI-E, October 2019
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, October 2019
JOURNAL OF ALLOYS AND COMPOUNDS, Journal Indexed in SCI-E, June 2019
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, Journal Indexed in SCI-E, May 2019
KOVOLVE MATERIALY-METALLIC MATERIALS, Journal Indexed in SCI-E, May 2019
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, December 2018

Scientific Project Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, March 2025
TÜBİTAK International Multi-Cooperation Project, ERA.NET Project, February 2025
TÜBİTAK International Multi-Cooperation Project, ERA.NET Project, February 2025
TÜBİTAK International Multi-Cooperation Project, ERA.NET Project, February 2025
Project Supported by Other Official Institutions, January 2025
Project Supported by Higher Education Institutions, BAP Research Project, September 2024
Project Supported by Other Official Institutions, July 2024
TUBİTAK Project, 1501 - Industry R & D Projects Support Program, December 2023
TUBİTAK Project, 1501 - Industry R & D Projects Support Program, December 2023
TUBİTAK Project, 1501 - Industry R & D Projects Support Program, December 2023
TUBİTAK Project, 2237 - Program for Supporting Project Training Activities, November 2023
TUBİTAK Project, 1501 - Industry R & D Projects Support Program, October 2023
Project Supported by Other Official Institutions, September 2023
Project Supported by Other Official Institutions, April 2023
TUBİTAK Project, 2244 - Industrial Phd. Program Project, April 2023
Project Supported by Other Official Institutions, April 2023
TUBİTAK Project, My support program is not listed (Old), April 2023
TUBİTAK Project, 1501 - Industry R & D Projects Support Program, April 2023
TUBİTAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, October 2021

Project Supported by Higher Education Institutions, BAP Research Project, June 2021
Project Supported by Higher Education Institutions, BAP Research Project, May 2021
TUBITAK Project, 1002 - Quick Support Program, May 2021
Project Supported by Other Official Institutions, May 2021
TUBITAK Project, 1002 - Quick Support Program, May 2021
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, April 2021
TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), March 2021
TUBITAK Project, 1002 - Quick Support Program, March 2021
TUBITAK Project, 1002 - Quick Support Program, January 2021
TUBITAK Project, 1002 - Quick Support Program, December 2020
Project Supported by Other Official Institutions, November 2020
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, October 2020
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, October 2020
TUBITAK Project, 1505 - University-Industry Cooperation Support Program, July 2020
TUBITAK Project, 1501 - Industry R & D Projects Support Program, December 2019
Project Supported by Higher Education Institutions, BAP Research Project, December 2019
TUBITAK Project, 1501 - Industry R & D Projects Support Program, August 2019

Scientific Consultations

Toyotetsu, Ermaksan, Project Consultancy, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey, 2019 - 2022

Metrics

Publication: 103
Citation (WoS): 952
Citation (Scopus): 1234
H-Index (WoS): 16
H-Index (Scopus): 20

Congress and Symposium Activities

Annual Assembly and Conference of International Institute of Welding, Working Group, Helsinki, Finland, 2015
Annual Assembly and Conference of International Institute of Welding, Working Group, Seoul, South Korea, 2014
Intermediate Meetings of Commissions II and IX of International Institute of Welding, Working Group, Berlin, Germany, 2014
AWS Professional Program, 2013 Fabtech Show, Working Group, Illinois, United States Of America, 2013
Intermediate Meetings of Commissions II and IX of International Institute of Welding, Working Group, Graz, Austria, 2013
Intermediate Meetings of Technical Commissions II and IX of International Institute of Welding, Working Group, London, United Kingdom, 2012
IIW-IIS International Conference on Welded Structures- Design, Fabrication and Economy, Working Group, Budapest, Hungary, 2008
Schweissen und Schneiden, DVS GST 2006, Working Group, Aachen, Germany, 2006
Schweissen und Schneiden, DVS GST 2005, Working Group, Essen, Germany, 2005

Invited Talks

Sert Lehimlemede Gelişmeler, Seminar, Hans Berg Metal, Turkey, June 2022
Alüminyum ve Alaşımlarının Kaynağında Gelişmeler, Seminar, Kırpart Otomotiv, Turkey, April 2022
Mühendislikte Kadın Paneli- Moderatörlük, Workshop, Kocaeli Üniversitesi, Turkey, March 2022
Paslanmaz Çelikler, Yeni Türleri ve Kaynak Kabiliyeti, Seminar, Mercedes Benz Otobüs Fabrikası, Turkey, January 2022
Overcoming Challenges: Weldability of Aluminum Alloys, Conference, IIW-India Mumbai, India, January 2022
Challenges in Aluminum Welding: Comparative Appraisal of FSSW and Laser Beam Welding of Aluminum Alloy, Conference, ICMERE 2021, Bangladesh, December 2021
Recent Trends in Welding and Weldability: Stainless Steels and Beyond, International Workshop on Emerging Trends in Mechanical, Aerospace and Robotics Engineering, Workshop, As Eminent Speaker invited by Vellore Institute of Technology, India, July 2021

Scholarships

Project research principal investigator, University, 2008 - 2009
Yurtdışı doktora bursu, TUBITAK, 2005 - 2006
Research project researcher, Official Institutions of Foreign Countries, 2005 - 2006

Awards

Taban E., Elsevier'da yayınlanan ve Stanford Üniv. araştırmacıları tarafından hazırlanan "2022 yılında Dünyanın En Etkili (Yüzde 2 Dilimde) Bilim İnsanları Listesine Giriş" (12 Ekim 2022) (Yıllık etki ve kariyer boyu etki listelerinde), Stanford Üniversitesi Araştırmacıları Tarafından Elsevier'da Yayınlanan Çalışma, September 2024
Taban E., AD Rankings World Scientists Listesine giriş, Ad Rankings World Scientist List, October 2023
Taban E., Elsevier'da yayınlanan ve Stanford Üniv. araştırmacıları tarafından hazırlanan "2022 yılında Dünyanın En Etkili (Yüzde 2 Dilimde) Bilim İnsanları Listesine Giriş" (Yıllık etki ve kariyer boyu etki listelerinde), Elsevier , January 2023
Taban E., Kariyer Boyu etki kategorisinde Elsevier tarafından yayınlanan ve Stanford Üniv. araştırmacıları tarafından hazırlanan "2022 yılında Dünyanın En Etkili (Yüzde 2 Dilimde) Bilim İnsanları Listesine Giriş" (12 Ekim 2022), Elsevier, October 2022
Taban E., 2023 Dünya Bilim İnsanları ve Üniversite Sıralamaları Listesine giriş (1 Ekim 2022), Ad Rankings- World Scientist And University Rankings 2023, October 2022
Taban E., Elsevier'da yayınlanan ve Stanford Üniv. araştırmacıları tarafından hazırlanan "2022 yılında Dünyanın En Etkili (Yüzde 2 Dilimde) Bilim İnsanları Listesine Giriş" (12 Ekim 2022) (Yıllık etki ve kariyer boyu etki listelerinde), Elsevier , October 2022
Taban E., World Scientist and University Rankings 2022 listesine giriş, Ad Rankings For Scientists, May 2022
Taban E., Avrupa'da en çok atf alan 6. makale ve Dünyada en çok atf alan 28. makalenin sorumlu yazarı olarak listede yer almak, Ad Scientific Rankings, December 2021
Taban E., Türkiye'de ilk 10.000 Bilim İnsanı Listesine giriş (Top 10.000 Scientists in Turkey), Ad Scientific Rankings, December 2021
Taban E., Elsevier tarafından yayınlanan ve Stanford Üniv. araştırmacıları tarafından hazırlanan "2021 yılında Dünyanın En Etkili (Yüzde 2 Dilimde) Bilim İnsanları Listesine Giriş" (19 Ekim 2021)
Elsevier.Digitalcommansdata.Com/Datasets/Btchxktzyw/3 , Elsevier , October 2021
Taban E., Türkiye'nin en çok atf alan ve H indeksi en yüksek akademisyenleri içinde ilk 3.000 arasında yer almak, Research Gate, February 2021
Taban E., Plos Biology Dergisinde Yayınlanan Makaleye Göre 2020 yılında Dünyanın En Etkili (Yüzde 2 Dilimde) Bilim İnsanları Listesinde Yer Alma (<https://journals.plos.org/plosbiology/article?id=10.1371%2Fjournal.pbio.3000918>), Plos Biology Dergisi, December 2020
Taban E., Prof. Dr. Baki Komsuoğlu Bilim Teşvik Ödülü (Teknoloji alanı), Kocaeli Üniversitesi, April 2014

Taban E., Kalu E., "McKay Helm Award, American Welding Society, For The Best Contribution To The Advancement Of Knowledge Of Stainless Steel Welding, Involving The Use, Development And Testing Of These Materials As Represented By The Article "Effect Of Consumable On The Properties Of GMA Welded EN 1.4003 Type Stainless Steel" Printed In Aug 2012 Issue Of Welding Journal. ", American Welding Society (Aws)-, November 2013

Taban E., Mc-Kay Helm Award, American Welding Society- Amerikan Kaynak Cemiyeti, November 2013

Non Academic Experience

The Ohio State University, Doktora sonrası arařtırmacı

Belika Kaynak Teknolojisi Enstitüsü, Misafir arařtırmacı ve doktora öđrencisi