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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAZ-8756-2020

ScopusID: 12761236400

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Konstrüksiyon ve İmalat, Turkey 1995 - 2003

Postgraduate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Konstrüksiyon, Turkey 1990 - 2001

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Robotik, Turkey 1991 - 1995

Undergraduate, Yıldız Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği, Turkey 1986 - 1990

Dissertations

Doctorate, Oransal valf ve hidrolik silindirden oluşan bir sistemin tanılanması ve konum kontrolü, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2003

Postgraduate, Servo sistemli hidrolik hareketlendiricilerin modellenmesi, sayısal benzetimi ve dinamik davranışlarının analizi, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, 2001

Postgraduate, Elektrohidrolik bir servo-sistemin simülasyonu, Istanbul Technical University, Fen Bilimleri Enstitüsü, 1995

Research Areas

Mechanical Engineering, Construction and Manufacturing, Tribology, Machine Design, Computer Aided Design and Manufacturing, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Yıldız Technical University, Faculty Of Mechanical Engineering, Machine, 2011 - Continues

Lecturer PhD, Yıldız Technical University, Faculty Of Mechanical Engineering, Machine, 2003 - 2011

Research Assistant, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 1992 - 2003

Academic and Administrative Experience

Deputy Director of Continuing Education Center, Yildiz Technical University, -----, YILDIZ SEM, 2005 - 2020

Courses

KONSTRÜKSİYON ELEMANLARI, Undergraduate, 2019 - 2020

BİLGİSAYAR DESTEKLİ TASARIM, Undergraduate, 2019 - 2020

KATI MODELLEME VE HIZLI PROTOTİPLEME, Undergraduate, 2019 - 2020

GÜÇ İLETİMİ, Postgraduate, 2019 - 2020

Advising Theses

İstif İ., Kompozit Zırhların Geometrisinin Balistik Dayanma Etkisinin İncelenmesi, Postgraduate, M.ORHAN(Student), 2023

İstif İ., Manufacturing of carbon nanotube reinforced polymers used in fused deposition modelling, characterization and modelling of mechanical and wear behaviors, Doctorate, K.FERATOĞLU(Student), 2023

İstif İ., OTOMOTİV GÖVDE PARÇALARI İÇİN KAYNAK FİKSTÜRÜ TASARIM OPTİMİZASYONU, Postgraduate, K.ÖZER(Student), 2021

İstif İ., Pin on Disk Test Düzeneği İle Aşınma Karakteristiklerinin Modellenmesi, Doctorate, M.TUNÇ(Student), 2020

İstif İ., Üç Boyutlu Yazıcıda Çoklu Filaman Kullanımı İçin Alternatif Malzeme Değiştirici Tasarımı, Postgraduate, K.BOYALI(Student), 2019

İstif İ., GRAFEN KATKILI ALÜMİNYUM MATRİSLİ KOMPOZİTLERİN KURU SÜRTÜNME Lİ AŞINMA ÖZELLİKLERİNİN DENEYSEL OLARAK İNCELENMESİ, Postgraduate, T.AKKAYA(Student), 2019

İstif İ., Deneysel aşınma modeli verileri için uygun parametre seçimi, Postgraduate, F.SİREK(Student), 2015

Designed Lessons

İstif İ., KONSTRÜKSİYON ELEMANLARI, Undergraduate, 2018 - 2019

İstif İ., BİLGİSAYAR DESTEKLİ TASARIM, Undergraduate, 2018 - 2019

İstif İ., KATI MODELLEME ve HIZLI PROTOTİPLEME, Undergraduate, 2018 - 2019

Taught Courses And Trainings

Sandalcı T., İstif İ., Adli Trafik Kusur, Hasar ve Değer Kaybı, 2020 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of Carbon Nanotube Reinforcement on Creep and Recovery Behavior of Additively Manufactured Polymers: An Experimental and Prediction Study**
Feratoğlu K., İSTİF İ., Gümüş Ö. Y., Türkeş E.
Arabian Journal for Science and Engineering, vol.49, no.11, pp.14927-14948, 2024 (SCI-Expanded)
- II. **Wear prediction of 3D-printed acrylonitrile butadiene styrene-carbon nanotube nanocomposites at elevated temperatures**
Feratoğlu K., İstif İ., Gumus O. Y.
JOURNAL OF POLYMER ENGINEERING, vol.43, no.4, pp.318-332, 2023 (SCI-Expanded)
- III. **Identification of tensile behaviour of polylactic acid parts manufactured by fused deposition**

modelling under heat-treated conditions using nonlinear autoregressive with exogenous and transfer function models

Karabeyoglu S. S., Eksi O., İstif İ., Feratoglu K.

JOURNAL OF POLYMER ENGINEERING, vol.42, no.10, pp.1004-1016, 2022 (SCI-Expanded)

IV. Investigation of Tensile, Viscoelastic, and Viscoplastic Behavior of Polylactic Acid Manufactured by Fused Deposition Modeling

İstif İ., Feratoglu K., Colak Ö. Ü., Acar A.

JOURNAL OF TESTING AND EVALUATION, vol.49, no.4, pp.2831-2839, 2021 (SCI-Expanded)

V. Dry sliding wear behavior of aluminum graphene nanoplatelet (GNP) composites

İstif İ., Tuncel M. T.

MATERIALS TESTING, vol.58, pp.640-643, 2016 (SCI-Expanded)

VI. Non-Linear Modelling of PM Brake Lining Wear Behaviour

İstif İ., Isin O., Uzunsoy E., Uzunsoy D.

MATERIALS TESTING, vol.54, pp.45-48, 2012 (SCI-Expanded)

VII. Linear Model for PM Brake Lining Material Wear Behaviour

İstif İ., Isin O., Uzunsoy E., Uzunsoy D.

MATERIALS TESTING-MATERIALS AND COMPONENTS TECHNOLOGY AND APPLICATION, vol.52, pp.795-799, 2010 (SCI-Expanded)

Articles Published in Other Journals

I. Identification of Dry Sliding Wear Behaviour of PLA Parts Manufactured by Fused Deposition Modelling

İstif İ.

Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.12, no.2, pp.275-283, 2021 (Peer-Reviewed Journal)

II. Investigation of Wear Behavior of Aluminum Alloy Reinforced with Carbon Nanotubes

Uzunsoy D., Peng T., Chang I., İstif İ.

SAE International Journal of Materials and Manufacturing, vol.7, 2014 (ESCI)

III. Oransal valf kontrollü hidrolik silindir sisteminin konum kontrolü

İstif İ., Kutlu K.

İTÜ Dergisi Seri D: Mühendislik, vol.3, no.5, pp.77-86, 2004 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Optimum Torque Distribution During Regenerative Braking in A Fully Electrical Vehicle Via Dynamic Programming

Ergün Ö., Çaycı N. O., Dinçmen E., İstif İ.

7th International Symposium on Multidisciplinary Studies and Innovative Technologies- ISMSIT2023, Ankara, Turkey, 26 - 28 October 2023

II. Effect of Carbon Nanotube Reinforcement and Porosity on Mechanical and Viscoelastic Properties of Polylactic Acid in Material Extrusion Additive Manufacturing

FERATOĞLU K., İSTİF İ.

3RD INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE - ICELIS 2023, Trabzon, Turkey, 20 - 22 September 2023, pp.102

III. Tribological Performance Enhancement of Epoxy Composites Using Graphene Additives

FERATOĞLU K., İSTİF İ., TUNÇEL M. T.

5. ULUSLARARASI DİCLE BİLİMSEL ARAŞTIRMALAR VE İNOVASYON KONGRESİ, Diyarbakır, Turkey, 9 - 10 September 2023, pp.400-407

- IV. **Kompozit Zırhların Geometrisinin Balistik Dayanıma Etkisinin İncelenmesi**
Şenaslan M. O., İstif İ.
5TH INTERNATIONAL CONFERENCE ON APPLIED ENGINEERING AND NATURAL SCIENCES ICAENS 2023, Konya, Turkey, 10 - 12 July 2023, vol.1, pp.759-763
- V. **Improvement and Optimization of Composite Materials For Ballistic Armor**
Şenaslan M. O., İstif İ.
3th International Congress of Engineering and Natural Sciences (ICENSS-2023), Ankara, Turkey, 24 May 2023
- VI. **INVESTIGATION DESIGN OF WELDING FIXTURE AND JIG PARTS FOR TOPOLOGY OPTIMISATION**
Özer K., İstif İ., Barut E.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, İstanbul, Turkey, 17 - 19 December 2019, pp.2352-2363
- VII. **FDM 3B YAZICI İÇİN MALZEME DEĞİŞTİRME MEKANİZMASININ KAVRAMSAL VE NESNEL TASARIMI**
İstif İ., Boyalı K.
4th International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry 2019, Antalya, Turkey, 11 - 14 April 2019, pp.1396-1407
- VIII. **INVESTIGATION OF MECHANICAL BEHAVIOURS OF PLA PARTS MANUFACTURED BY FUSED DEPOSITION MODELING**
İstif İ., Feratoğlu K., Acar A.
56th ISC of the University of Ruse'17, Ruse, Bulgaria, 26 October 2017, pp.1-6
- IX. **Pin on disk test for aluminum graphene metal matrix composites**
İstif İ., Tunçel M., Dalkılıç A. S.
International Conference on Mechanical and Aeronautical Engineering, Bangkok, Thailand, 13 - 14 July 2016, pp.58-61
- X. **Non Linear ARX Modelling of Wear Properties of Aluminum Graphene Composite**
İstif İ., Tunçel M. T., Uzunsoy D.
International Congress on Natural and Engineering Sciences, Sarajevo, Bosnia And Herzegovina, 09 September 2015, pp.27
- XI. **Linear Modelling of Wear Properties of Aluminum Graphene Composite**
Tunçel M. T., İSTİF İ., Uzunsoy D.
International Congress on Natural and Engineering Sciences, Saraybosna, Bosnia And Herzegovina, 09 September 2015, pp.40
- XII. **Prediction of wear behavior of aluminum alloy reinforced with carbon nanotubes using nonlinear identification**
İstif İ., Işın Ö., Uzunsoy D., Peng T., Chang I.
SAE 2014 World Congress and Exhibition, Detroit, MI, United States Of America, 8 - 10 April 2014, vol.1
- XIII. **A comparison and identification study of dry sliding wear behaviour of Al/B4CP and Mg/B4CP composites for automobile disk brakes**
Işın Ö., İstif İ., Uzunsoy D., Guleryuz F.
SAE 2014 World Congress and Exhibition, Detroit, MI, United States Of America, 8 - 10 April 2014, vol.1
- XIV. **Accuracy comparison of ARX and ANFIS model of PM brake lining wear behavior**
Işın Ö., İstif İ., Uzunsoy E., Uzunsoy D.
SAE 2013 World Congress and Exhibition, Detroit, MI, United States Of America, 16 - 18 April 2013, vol.2
- XV. **Identification of dry sliding wear behavior of B4CP particulate reinforced Mg matrix composites for automobile disk brakes**
İstif İ., Işın Ö., Uzunsoy E., Uzunsoy D.
SAE 2013 World Congress and Exhibition, Detroit, MI, United States Of America, 16 - 18 April 2013, vol.2
- XVI. **Correlation Among Engineering Students' Perceived Computer Self-Efficacy, Attitudes Toward Technology and Academic Achievement**
KARATAŞ H., ALCI B., İSTİF İ., GANI S.
IEEC 2012 : 2nd International Engineering Education Conference, Antalya, Turkey, 31 October 2012, pp.1-6
- XVII. **Prediction of Wear Behavior Characteristics of PM Brake Lining Using Non Linear Modeling**

Istif İ., Işın Ö., Uzunsoy E., Uzunsoy D.

14th INTERNATIONAL CONFERENCE ADVANCES IN MATERIAL & PROCESSING TECHNOLOGIES AMPT 2011, İstanbul, Turkey, 13 July 2011, pp.179

XVIII. Elektrohidrolik bir sistemin doğrusal tanılanması

İstif İ., Kutlu K. R., Bölüt B.

TOK 09 OTOMATİK KONTROL ULUSAL TOPLANTISI, İstanbul, Turkey, 13 - 16 October 2009, vol.1, pp.343-347

XIX. Strategies for Controlling Elevator Group Systems

BOLAT B., İSTİF İ., ALIŞVERİŞÇİ M.

TMT 2007, Hammamet, Tunisia, 05 September 2007, vol.1, pp.775-778

XX. A simulation study for the application of two different neural network control algorithms on an electro-hydraulic system

İSTİF İ.

Environmentally Conscious Manufacturing V, Boston, MA, United States Of America, 23 - 24 October 2005, vol.5997

XXI. NEURAL NETWORK PREDICTIVE CONTROL OF A SERVOVALVE DRIVEN HYDRAULIC MOTOR

İstif İ., Kongar N. E.

35th International Conference on COMPUTERS & INDUSTRIAL ENGINEERING, İstanbul, Turkey, 19 June 2005, vol.1, pp.1011-1015

XXII. EFFICIENT SUPPLY CHAIN VIA AGILE. PERFORMANCE EVALUATION (ESCAPE)

KONGAR N. E., İSTİF İ.

35th International Conference on COMPUTERS & INDUSTRIAL ENGINEERING, İstanbul, Turkey, 19 June 2005, vol.2, pp.1191-1196

XXIII. BOND GRAPH MODELING and POSITION CONTROL of AN ELECTROHYDRAULIC ELEVATOR

İstif İ., Sağırılı A., Kutlu K. R.

ESDA 2002 6th Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Turkey, 08 July 2002, pp.1-6

XXIV. Servovalf kontrollü bir hidrolik motor sisteminin modellenmesi ve konum kontrolü

İstif İ., Kutlu K. R., Sağırılı A.

UMTS 2001 10. ULUSAL MAKİNA TEORİSİ SEMPOZYUMU, Konya, Turkey, 12 September 2001, vol.2, pp.451-458

XXV. Elektrohidrolik Bir Servos Sistemin PD Kontrolü

İstif İ., Kutlu K. R.

7. ULUSAL MAKİNA TEORİSİ SEMPOZYUMU, İstanbul, Turkey, 20 September 1995, vol.2, pp.509-515

Supported Projects

Dinçmen E., İstif İ., Eşkil M. T., TUBİTAK Project, Sürücü Davranışı, Çevresel Koşullar Ve Araç Koşullarını Göz Önüne Alarak Rejeneratif Frenleme Performansını En İyileyen Derin Öğrenme Kontrol Algoritmasının Geliştirilmesi, 2023 - 2025

Türkeş E., Feratoğlu K., Gümüş Ö. Y., İstif İ., Project Supported by Higher Education Institutions, Eriyik Yığıma Modelleme (EYM) teknolojisi ile Karbon Nanotüp takviyeli polimer filamanlar kullanılarak üretilen numunelerin aşınma ,mekanik, viskoelastik ve viskoplastik özelliklerinin araştırılması, 2022 - 2023

İSTİF İ., TUNCEL M. T., Project Supported by Higher Education Institutions, PİN ON DİSK TEST DÜZENEĞİ İLE AŞINMA KARAKTERİSTİKLERİNİN MODELLENMESİ, 2015 - 2020

Karataş H., Yurtseven N., Alcı B., İstif İ., TUBİTAK Project, YILDIZ GİRİŞİMCİLİK AKADEMİSİ, 2014 - 2017

Scientific Refereeing

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, May 2022

COMPOSITES PART B: ENGINEERING, SCI Journal, February 2022

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, March 2021

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, February 2021
COMPOSITES PART B: ENGINEERING, SCI Journal, June 2019
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, May 2017
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, April 2016
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, February 2016
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, February 2015
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, October 2012
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, May 2012

Metrics

Publication: 35
Citation (WoS): 14
Citation (Scopus): 23
H-Index (WoS): 3
H-Index (Scopus): 3

Non Academic Experience

ADALET BAKANLIđI
TÜBİTAK
TOSFED - Türkiye Otomobil Sporları Federasyonu