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International Researcher IDs

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Publons / Web Of Science ResearcherID: X-6276-2018

ScopusID: 18036408400

Yoksis Researcher ID: 31560

Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Physics, Turkey 2018 - 2023

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Turkey 2005 - 2008

Undergraduate, Kocaeli University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 1999 - 2004

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Platform-independent web-based real-time LiDAR, Kocaeli University, Fen Bilimleri Enstitüsü, Physics, 2023

Postgraduate, Carbon-fibre reinforced composites and determination of laser parameters for holes on polycarbonate materials, Kocaeli University, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, 2008

Research Areas

Experimental High Energy Physics Studies, Laser scanning, Lidar, Physics, Optics, Sensors / Electrooptics Technologies, Natural Sciences

Academic Titles / Tasks

Lecturer PhD, Kocaeli University, REKTÖRLÜK, Lazer Teknolojileri Arş.ve Uyg.Arş.Merk., 2009 - Continues

Academic and Administrative Experience

Assistant Manager of Research and Application Center, Kocaeli University, REKTÖRLÜK, Lazer Teknolojileri Arş.ve Uyg.Arş.Merk., 2024 - Continues

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Kocaeli University, REKTÖRLÜK, Lazer Teknolojileri Arş.ve Uyg.Arş.Merk., 2020 - Continues

Taught Courses And Trainings

Kayahan E., Candan L., Advanced Laser Safety Education, 2020 - 2020

Kayahan E., Candan L., Laser Material Processing, 2020 - 2020

Kayahan E., Candan L., Laser Safety and Laser Material Processing, 2019 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Laser Welding of Ti6Al4V Titanium Alloy in Air and a Water Medium**
Alhajhamoud M., Özbey S., Ilgaz M. A., Candan L., Çınar İ., Vukotić M., Čorović S., Miljavec D., Kayahan E.
MATERIALS, vol.15, no.24, pp.1-16, 2022 (SCI-Expanded)
- II. **Laser Welding of 316L Austenitic Stainless Steel in an Air and a Water Environment**
Alhajhamoud M., Candan L., Ilgaz M. A., Cinar I., Ozbey S., Čorović S., Miljavec D., Kayahan E.
Materials, vol.15, no.6, pp.1-16, 2022 (SCI-Expanded)
- III. **Influence of laser parameters in surface texturing of polyphenylene sulfide composites**
CANEL T., KAYAHAN E., CANDAN L., FİDAN S., SINMAZÇELİK T.
Journal of Applied Polymer Science, vol.136, no.38, 2019 (SCI-Expanded)
- IV. **Surface Cleaning of Metals Using Low Power Fiber Lasers**
KAYAHAN E., CANDAN L., ARAS M., GÜNDOĞDU Ö.
ACTA PHYSICA POLONICA A, vol.134, no.1, pp.371-373, 2018 (SCI-Expanded)
- V. **Functionalized Hybrid Coatings on ABS Surfaces by PLD and Dip Coatings**
Kaçar E., Erdem A., Sanlı M. M., Kayan A., Candan L., Yıldız U., Demir A.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.26, pp.895-906, 2016 (SCI-Expanded)
- VI. **Characterization of the drilling alumina ceramic using Nd:YAG pulsed laser**
KAÇAR E., MUTLU M., AKMAN E., DEMİR A., CANDAN L., CANEL T., GUNAY V., SINMAZÇELİK T.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.209, no.4, pp.2008-2014, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Methodology of Real-Time 3D Point Cloud Mapping with UAV LiDAR**
Candan L., Kaçar E.
INTERNATIONAL JOURNAL OF ENGINEERING AND GEOSCIENCES, vol.8, no.3, pp.301-309, 2023 (ESCI)
- II. **LAZER KULLANILAN İŞYERLERİNDE Lazer Güvenliği Ve Risk Değerlendirmesi**
KARAKUŞ BAŞAK F., CANDAN L., KAYAHAN E.
makinaTek, no.238, 2017 (Peer-Reviewed Journal)
- III. **Progresses on the Theoretical and Experimental Studies in Laser Technologies Research and Application Center In Kocaeli**
AKMAN E., ATALAY B., CANDAN L., CANEL T., DEMİR A., DEMİR P., ERTÜRK S., GENÇ ÖZTOPRAK B., KAÇAR E., KENAR N., et al.
American Institute of Physics, vol.899, pp.331-332, 2007 (Peer-Reviewed Journal)

- IV. **Effect of pulsed Nd YAG laser powers on 304 stainless steel welding**
CANDAN L., DEMİR A., AKMAN E.
FRONTIERS OF FUNDAMENTAL AND COMPUTATIONAL PHYSICS, pp.311-312, 2007 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **REAL-TIME 3D POINT CLOUD MAPPING WITH UAV LIDAR**
Candan L., Aktan B. F., Kaçar E.
INTERNATIONAL SYMPOSIUM ON APPLIED GEOINFORMATICS, Riga, Latvia, 2 - 03 December 2021, pp.1-3
- II. **Control of LRF and Two DC Motors with Pattern Recognition Approach Based on Mental Tasks**
Gezgez C., Candan L., Kaçar E.
Turkish Physical Society 36th International Physics Congress, Muğla, Turkey, 1 - 05 September 2020, vol.02, no.1, pp.3-7
- III. **Usage of Air Balloon Based LiDAR in Spatial Analysis and Real Time Mapping**
Candan L., Arslan E., Kaçar E.
VI. INTERNATIONAL EARTHQUAKE SYMPOSIUM KOCAELI 2019, Kocaeli, Turkey, 25 - 27 September 2019, pp.99
- IV. **SURFACE MODIFICATION OF 316 L STAINLESS STEEL MATERIALS WITH LASER**
Aykaç E., TÜRKMEN M., KAYAHAN E., CANDAN L.
3rd International Conference on Material Science and Technology in Cappadocia (IMSTEC'18), 17 September - 19 July 2018, pp.272-276
- V. **Lazerle Metallerde Farklı Yüzey Uygulamaları**
KAYAHAN E., CANDAN L., ARAS M., ALHAJ HAMOUD M., GÜNDOĞDU Ö.
FOTONİK 2018, Ankara, Turkey, 14 September 2018, pp.120
- VI. **The Determination Of Laser Drilling Parameters Of High Density Polymer Materials (PE 1000)**
ARAS M., MEHTAP T., KAYAHAN E., CANDAN L., GÜNDOĞDU Ö.
International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017, pp.2516
- VII. **The Determination Of The Welding Process Parameters By Laser On Ti6Al4V Alloy**
ARAS M., KAYAHAN E., CANDAN L., GÜNDOĞDU Ö.
International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017, pp.2518
- VIII. **CAM ELYAF TAKVİYELİ POLİMERİK KOMPOZİT MALZEMELERDE LAZERLİ KESME VE DELME PARAMETRELERİNİN BELİRLENMESİ**
TURKMEN M., KAYAHAN E., CANDAN L., CANSUN A., BASUT S.
5. Uluslararası Polimerik Kompozitler Sempozyumu ve Çalıştayı, 2 - 04 November 2017
- IX. **Lazerle Farklı Kalınlıktaki Titanyum Flanş Kaynağı**
ARAS M., CANDAN L., KAYAHAN E., GÜNDOĞDU Ö.
FOTONİK 2017, İstanbul, Turkey, 29 September 2017, pp.67
- X. **Hava Balonu Temelli LiDAR ın Mekânsal Analizlerde Kullanımı ve Web Üzerinden Gerçek Zamanlı Haritalama**
CANDAN L., ARSLAN E., KAÇAR E.
16. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştayı-FOTONİK, Turkey, 05 September 2014, pp.31
- XI. **Hava Balonu Temelli LiDAR Uygulaması**
CANDAN L., ARSLAN E., KAÇAR E.
15. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştayı, Ankara, Turkey, 06 September 2013, pp.46
- XII. **HAVA BALONU TEMELLİ LIDAR UYGULAMASI**
CANDAN L., ARSLAN E., KAÇAR E.
INTERNATIONAL PHYSICS CONGRESS, İstanbul, Turkey, 2 - 05 September 2013, pp.99
- XIII. **Hava Balonu Temelli LIDAR Uygulaması**
CANDAN L., ARSLAN E., KAÇAR E.

Turkish Physical Society 30th International Physics Congress, İstanbul, Turkey, 2 - 05 September 2013

- XIV. **Laser pulse shape effects on the hardness of steel**
AKMAN E., CANDAN L., ZEREN M., KAÇAR E., DEMİR A.
17th International Conference on Advanced Laser Technologies ALT09, Antalya, Turkey, 26 September - 01 October 2009
- XV. **Lazer Teknolojileri Araştırma ve Uygulama Merkezinde Gerçekleştirilen Nanosaniye Milisaniye ve Femtosaniye Nd YAG Lazerler ile Malzeme İşleme Çalışmaları**
AKMAN E., CANDAN L., MESURE M., BABUR S., GENÇ ÖZTOPRAK B., AKKAN Ç. K., SİPAHİOĞLU S., DEMİR A., DEMİR KUZU P., CANEL T., et al.
10. Ulusal Optik, Elektro-Optik ve Fotonik Toplantısı, Kocaeli Üniversitesi, Kocaeli, Turkey, 17 October 2008
- XVI. **The effect of the laser wavelength on PC drilled by using Nd YAG Laser**
CANDAN L., CANEL T., AKMAN E., DEMİR A., KAÇAR E.
Türk Fizik Derneği 25. Uluslararası Fizik Kongresi, Muğla, Turkey, 25 - 29 August 2008
- XVII. **Ti ve Mg Alaşımların Lazer Etkileşimli Plazma Spektroskopisi ile Analizi**
GENÇ ÖZTOPRAK B., AKMAN E., CANDAN L., KAÇAR E., DEMİR A.
SAVTEK2008, Ankara, Turkey, 26 - 28 June 2008
- XVIII. **The effect of the vacuum with different pressure on laser drilled PC**
AKMAN E., CANDAN L., CANEL T., DEMİR A., KAÇAR E.
9th International Symposium on Laser Precision Microfabrication, 16 - 20 June 2008
- XIX. **Effect of pulsed Nd : YAG laser powers on 304 stainless steel welding**
Candan L., Demir A., Akman E.
6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.311-312
- XX. **Progresses on the theoretical and experimental studies in Laser Technologies Research and Application Center in Kocaeli**
AKMAN E., ATALAY B., CANDAN L., CANEL T., DEMİR A., DEMİR P., ERTÜRK S., GENC B., KAÇAR E., KENAR N., et al.
6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.331-332

Supported Projects

CANDAN L., KAYAHAN E., SINMAZ DURMUŞ M. A., ÖNAL TAYYAR D., Project Supported by Higher Education Institutions, 2 Boyutlu Dikalkojenitlerin Lazer Optiği Bileşeni Olarak Kullanım Potansiyeli, 2024 - Continues

KAYAHAN E., CANDAN L., KOL S., ORAL A. Y., Project Supported by Higher Education Institutions, TNT Tabanlı Patlayıcıların Tespiti için Lazerle İndüklenmiş Grafen Sensörlerin Geliştirilmesi, 2024 - Continues

KAYAHAN E., GÜNDOĞDU Ö., ARAS M., CANDAN L., MERAY D., OĞUZ F. E., Project Supported by Higher Education Institutions, Lazerle İşlenen Biyometal Yüzeylerinin Korozyon Dayanımlarının İncelenmesi, 2020 - 2021

Candan L., Kayahan E., Gündoğdu Ö., TUBİTAK Project, FİBER OPTİK LAZERLE KALIP YÜZEYLERİNİN İŞLEME SONRASI YÜZEY PÜRÜZLÜKLERİNİN İYİLEŞTİRİLMESİ, 2019 - 2021

KAYAHAN E., GÜNDOĞDU Ö., GENÇ ÖZTOPRAK B., AKMAN E., CANDAN L., Project Supported by Higher Education Institutions, NANOGÖZENEKLİ SİLİSYUM TABANLI GÜNEŞ PİLİ TASARIMI, 2016 - 2018

Canel T., Kaçar E., Candan L., Genç Öztoprak B., Akman E., Project Supported by Higher Education Institutions, Uzun Milisaniye Ve Kısa Atımlı Nanosaniye Lazerler Kullanarak Polimer Ve Takviyeli Kompozit Polimerler Üzerinde Açılan Mikro Ölçekli Deliklerin Optimum Parametrelerinin Belirlenmesi, 2008 - 2009

Scientific Refereeing

OPTICAL ENGINEERING, Journal Indexed in SCI-E, August 2024

OPTICAL ENGINEERING, Journal Indexed in SCI-E, February 2024

PHOTOGRAMMETRIC ENGINEERING AND REMOTE SENSING, SCI Journal, February 2023
PHOTOGRAMMETRIC ENGINEERING AND REMOTE SENSING, SCI Journal, November 2022
PHOTOGRAMMETRIC ENGINEERING AND REMOTE SENSING, SCI Journal, August 2022

Metrics

Publication: 31

Citation (WoS): 112

Citation (Scopus): 141

H-Index (WoS): 4

H-Index (Scopus): 5