

Assoc. Prof. Yüksel PALACI

Personal Information

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Biography

He graduated from the Metallurgical Engineering Department of the Middle East Technical University in 1990. He got his master's degree in 1994 and his PhD in 2001 from Istanbul Technical University. He started professional work as a researcher in TUBITAK Marmara Research Center (MAM) Materials Department. He worked as deputy manager at Material Research Institute in his 13 years of MAM working life. In 2016-2017, He has been a consultant for laser material interaction for 1 year in Electro-optics Laboratory TÜBİTAK-BİLGEM UEKAE. Currently he is member of TÜBİTAK TEYDEB METATEG Board.

He conducted his researches at different universities(Gent University in Belgium, TNO-CTK research center in Eindhoven University in the Netherlands, Iowa State University, PENSTATE University PM / LAB9.

He worked as Assistant Prof. in Mechanical Engineer department, Niğde Ömer Halis Demir University in between 2010 and 2013. He has been working as an associate professor in the Department of Shipbuilding and Ship Mechanics at Yıldız Technical University Since the beginning of the year of 2015.

He produced many commercial ceramic products to defense industry, universities and many national and international companies His work has recently been concentrated on the additive manufacturing technologies and for technical ceramics.

Education Information

Doctorate, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fak/Fen Bilimleri Ens., Metalurji Müh. Malzeme Anabilim Dalı, Turkey 1994 - 2001

Post Graduate, İstanbul Teknik Üniversitesi, Kimya-Metalurji Müh. Fak/Fen Bilimleri Enstitüsü, Metalurji Mühendisliği, Turkey 1990 - 1994

Under Graduate, Orta Doğu Teknik Üniversitesi, Mühendislik Bilimleri Fak., Metalurji Mühendisliği Ve Malzeme Bilimi, Turkey 1985 - 1990

Foreign Languages

English, B2 Upper Intermediate

German, A1 Beginner

Certificates, Courses and Trainings

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Ceramic Materials, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Yıldız Teknik Üniversitesi, Naval Architecture and Maritime Faculty, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, 2015 - Continues

Assistant Professor, Niğde Ömer Halis Demir Üniversitesi, Mühendislik Fakültesi, Makina, 2010 - 2013

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Economical and technical comparison of valve ceramics available in Turkish market**
PALACI Y.
International Journal of Applied Ceramic Technology, vol.17, pp.1959-1965, 2020 (Journal Indexed in SCI)
- II. **Effects of boric acid addition and sintering temperature on the thermal conductivity of perlite-based insulation materials**
PALACI Y.
MATERIALS TESTING, vol.62, pp.408-412, 2020 (Journal Indexed in SCI)
- III. **THE EFFECTS OF DIFFERENT ENGINE MATERIAL PROPERTIES ON THE PERFORMANCE OF A DIESEL ENGINE AT MAXIMUM COMBUSTION TEMPERATURES**
PALACI Y., GONCA G.
THERMAL SCIENCE, vol.24, pp.183-191, 2020 (Journal Indexed in SCI)
- IV. **Glass fiber reinforced sealants for solid oxide fuel cells**
Timurkutluk B., Altan T., Celik S., Timurkutluk C., PALACI Y.
International Journal of Hydrogen Energy, vol.44, pp.18308-18318, 2019 (Journal Indexed in SCI)
- V. **Performance investigation into a diesel engine under effective efficiency-power-power density conditions**
GONCA G., PALACI Y.
SCIENTIA IRANICA, vol.26, pp.843-855, 2019 (Journal Indexed in SCI)
- VI. **Design and fabrication of stair-step-type electrolyte structure for solid oxide fuel cells**
Palaci Y., TIMURKUTLUK B.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.37, pp.631-637, 2013 (Journal Indexed in SCI)
- VII. **High-field grain boundary transport in semiconducting BaTiO₃ ceramics**
CHAO C., CANN D., GALL R., Palaci Y.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.37, pp.416-421, 2004 (Journal Indexed in SCI)
- VIII. **The effect of oxide addition on the wear performance of the alumina based nozzles**
Palaci Y., CIMENOGLU H., KAYALI E.
EURO CERAMICS VIII, PTS 1-3, pp.805-808, 2004 (Journal Indexed in SCI)
- IX. **A NEW CERAMIC THREAD-GUIDE COMPOSITION VIA LOW-PRESSURE INJECTION-MOLDING**
TOY C., PALACI Y., BAYKARA T.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.51, pp.211-222, 1995 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **BORİK ASİT KATKISI VE SİNERLEME SICAKLIĞININ ALÜMİNA VE SEPİYOLİTİN ISIL İLETKENLİĞE ETKİSİNİN İNCELENMESİ**
PALACI Y.
Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, 2020 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Ceramic prototype manufacturing methods**
PALACI Y.
IV. Uluslararası Seramik, Cam, Emaye, Sır ve Boya Kongresi (SERES'xx18), 10 - 12 October 2018
- II. **Performance Characteristics of a Diesel Engine Manufactured of Different Engine Materials**
GONCA G., PALACI Y.
INTNAM 2018, 24 - 25 April 2018
- III. **HIZLI PROTOTİP METAL VE SERAMİK ÜRETİMİ ARAŞTIRMA ÖNERİSİ**
ALNIAK M. O. , PALACI Y.
İleri Teknolojiler V. Çalıştayı, Turkey, 23 October 2017, pp.1-4
- IV. **ÇELİK-ALÜMİNYUM İNTİKAL EKLEMLERİ**
OLGUN M., PALACI Y.
İleri Teknolojiler V. Çalıştayı, Turkey, 23 October 2017, pp.1-16
- V. **New Materials for High Pressurized Hydrogen Storage**
ALNIAK M. O. , PALACI Y., GÜNEŞ İ.
II. International Hydrogen Energy Congress Exhibition, 13 July 2006 - 15 July 2007
- VI. **The effect of oxide addition on the wear performance of the alumina based nozzles**
Palacı Y., Çimenoğlu H., Kayalı E.
Proceedings of the 8th Conference and Exhibition of the European Ceramic Society, İstanbul, Turkey, 29 June - 03 July 2003, pp.805-808

Episodes in the Encyclopedia

- I. **Mekatronik Temel Bilgileri(5M2E Manufuture)**
ALNIAK M. O. , PALACI Y., KILIÇER M., TÜRKOĞLU İ., DURKAL D.
NETCOPY, pp., 2017

Supported Projects

PALACI Y., TUBITAK Project, Yerli Seramik Kartuş Geliştirilmesi, 2016 - 2017
Alniak M. O. , Okutan M., Yalçın Ş., Palacı Y., Güngör A., Ata A., Industrial Thesis Project, Yüksek Basınca Dayanıklı İleri Teknoloji Kompozit Hidrojen Tüpü İmalatı, 2007 - 2009
PALACI Y., EU Framework Program Project, Paslanmaz Çelik Toz Metalurjisi, 2001 - 2002

Memberships / Tasks in Scientific Organizations

TEYDEB METATEG Kurulu, Member, 2018 - 2019

Scientific Consultations

Agena Bilişim ve Savunma Teknolojileri San. Tic. Ltd Şri, Scientific Consultancy, Yıldız Teknik Üniversitesi, Naval

Architecture and Maritime Faculty, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey, 2018 - 2018

Invited Congress and Symposium Activities

IV. Uluslararası Seramik, Cam, Emaye, Sır ve Boya Kongresi (SERES'18), Invited Speaker, Eskişehir, Turkey, 2018

IV. Uluslararası Seramik, Cam, Emaye, Sır ve Boya Kongresi (SERES'18), Attendee, Eskişehir, Turkey, 2018

INT-NAM 2018 3rd International Symposium on Naval Architecture and Maritime, Attendee, İstanbul, Turkey, 2018

İleri Teknolojiler V. Çalıştayı (İTÇ-2017), Attendee, Turkey, 2017

Citations

Total Citations (WOS):13

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