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International Researcher IDs

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Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Fen Bil. Enst. Md. Lüğü, Turkey 2004 - 2010

Undergraduate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, Turkey 1990 - 1994

Foreign Languages

English, C1 Advanced

Research Areas

Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Uçak Mühendisliği, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Failure analysis of aircraft main landing gear cylinder support
DİLTEMİZ S. F.
Engineering Failure Analysis, vol.129, 2021 (SCI-Expanded)
- II. Oxidation and thermal shock behavior of thermal barrier coated 18/10CrNi alloy with coating modifications
GÜRGÜN S., Diltemiz S. F., KUŞHAN M. C.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.31, no.1, pp.149-155, 2017 (SCI-Expanded)
- III. Effect of dent geometry on fatigue life of aircraft structural cylinder part
Diltemiz S. F., Uzunonat Y., Kushan M. C., ÇELİK O. N.
ENGINEERING FAILURE ANALYSIS, vol.16, no.4, pp.1203-1207, 2009 (SCI-Expanded)
- IV. Failure analysis of an aircraft propeller

Articles Published in Other Journals

- I. **Havacılık Kompozit Malzemelerinde Mikroskopik Teknikler Kullanılarak Yapısal Sağlık İzleme Uygulamaları**
DİLTEMİZ S. F., Mustafaoğlu S., KAYA F.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.11, 2023 (Peer-Reviewed Journal)
- II. **Evaluation Of Foreign Object Damage On The Fan Blades with Microscopic Techniques**
Kirca A. İ., DİLTEMİZ S. F., Yumrukaya S., Batar A.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.11, 2023 (Peer-Reviewed Journal)
- III. **Inspection of Surface Damage in Composite Materials with Different Techniques**
DİLTEMİZ S. F., Eroğlu E., Batar A., Yumrukaya S.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.11, 2023 (Peer-Reviewed Journal)
- IV. **Thermographic Testing of Composite Materials Used in Rail System Vehicles**
DİLTEMİZ S. F., EROĞLU E.
Demiryolu Mühendisliği, no.17, pp.186-198, 2023 (Peer-Reviewed Journal)
- V. **Development of a low-cost wire arc additive manufacturing system**
Navarro M., Matar A., DİLTEMİZ S. F., Eshraghi M.
Journal of Manufacturing and Materials Processing, vol.6, no.1, 2022 (ESCI)
- VI. **Diesel Lokomotif Ağır Hizmet Motorunda Kullanılan Egzoz Supap Bagası Hasarları**
ÖZDEMİR Y., DİLTEMİZ S. F., Kandemir G.
Demiryolu Mühendisliği, vol.0, pp.75-83, 2022 (Peer-Reviewed Journal)
- VII. **Electron Beam Welding Varestraint Test of ALLVAC 718 Plus™ for Aviation Technology**
ÇEVİK S., Huijun L., KUŞHAN M. C., Ma Y., UZUNONAT Y., DİLTEMİZ S. F.
Advanced Science Letters, vol.13, no.1, pp.831-832, 2012 (Peer-Reviewed Journal)
- VIII. **The Effect of Laser Glazing on High Temperature Oxidation Resistance of Thermal Barrier Coatings**
DİLTEMİZ S. F., KUŞHAN M. C.
Advanced Materials Research, vol.433440, pp.315-318, 2012 (Peer-Reviewed Journal)
- IX. **The effect of laser glazing process on microstructure of plasma sprayed thermal barrier coatings**
Kuşhan M. C., Diltemiz S. F.
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY -A, vol.12, no.2, pp.105-110, 2011 (Peer-Reviewed Journal)
- X. **State-of-Art Technology ALLVAC 718 Plus Superalloy for Gas Turbine Engine Parts**
ÇEVİK S., UZUNONAT Y., DİLTEMİZ S. F., KUŞHAN M. C., Ölmez R.
Advanced Materials Research, vol.213, pp.131-135, 2011 (Peer-Reviewed Journal)
- XI. **MoS₂/sub Composites for High Temperature Structural Applications**
UZUNONAT Y., ÇEVİK S., DİLTEMİZ S. F., KUŞHAN M. C., Ölmez R.
Advanced Materials Research, vol.214, pp.103-107, 2011 (Peer-Reviewed Journal)
- XII. **Cyclic Oxidation Behaviour of MoS₂/sub and MoS₂/sub-Si₃N₄/sub Composites for Aircraft Gas Turbine Elements**
UZUNONAT Y., ÇEVİK S., DİLTEMİZ S. F., KUŞHAN M. C.
Advanced Materials Research, vol.214, pp.349-353, 2011 (Peer-Reviewed Journal)
- XIII. **CHARACTERIZATION OF 6061 T651 ALUMINUM PLATES SUBJECTED TOHIGH-VELOCITY IMPACT LOADS**
ÖZSAHİN E., DİLTEMİZ S. F., TOLUN S.
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY -A, vol.12, no.1, pp.65-74, 2011 (Peer-Reviewed Journal)
- XIV. **THE EFFECT OF LASER GLAZING PROCESS ON MICROSTRUCTURE OFPLASMA SPRAYED THERMAL**

BARRIER COATINGS

KUŞHAN M. C., DİLTEMİZ S. F.

ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY -A, vol.12, no.2, pp.105-110, 2011 (Peer-Reviewed Journal)

Books & Book Chapters

I. Fatigue failure in aircraft structural components

Gürgen S., Kuşhan M. C., Diltemiz S. F.

in: Handbook of Materials Failure Analysis With Case Studies from the Aerospace and Automotive Industries, Abdel Salam Hamdy Makhlof,Mahmood Aliofkhazraei, Editor, Elsevier Science, Oxford/Amsterdam , Illinois, pp.261-277, 2015

II. Superalloys for Super Jobs

Diltemiz S. F., Zhang S. (Editor)

in: Aerospace Materials Handbook, S Zhang,D Zhao, Editor, CRC, New York , New York, pp.1-76, 2013

III. Potential of MoSi₂ and MoSi₂-Si₃N₄ Composites for Aircraft Gas Turbine Engines

KUŞHAN M. C., UZUNONAT Y., ÇEVİK S., DİLTEMİZ S. F.

in: Recent Advances in Aircraft Technology, Agarwal Ramesh K., Editor, InTech, pp.97-115, 2012

IV. Allvac 718 Plus Superalloy for Aircraft Engine Applications

KUŞHAN M. C., ÇEVİK S., UZUNONAT Y., DİLTEMİZ S. F.

in: Recent Advances in Aircraft Technology, Agarwal Ramesh K., Editor, InTech, pp.75-96, 2012

Refereed Congress / Symposium Publications in Proceedings

I. Uçak Motor Bakımında Yağ Sistem Elemanlarındaki Hasarların Erken Tespiti Amacıyla Kullanılan Manyetik Çip Dedektörler

DİLTEMİZ S. F., ALTUN Ö.

X. Uluslararası Katılımlı Bakım Teknolojileri Kongresi ve Sergisi, Denizli, Turkey, 20 - 22 October 2022

II. The Effect of Laser Glazing on High Temperature Oxidation Resistance of Thermal Barrier Coatings

DİLTEMİZ S. F., KUŞHAN M. C.

International Conference on Materials Science and Information Technology (MSIT 2011), Singapore, Singapore, 16 - 18 September 2011, pp.315-316

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