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Advising Theses

- GÜRBÜZ R., Fatigue behavior of welded API 5L X70 pipeline steel, Post Graduate, Ş.Özlem(Student), 2020
- GÜRBÜZ R., Effect of hydrogen on fatigue behavior of a cadmium coated high strength steel, Post Graduate, Ü.Başak. (Student), 2019
- GÜRBÜZ R., The effects of chromic acid anodizing on fatigue behavior of (AMS4050) 7050 T7451 aluminum alloy, Post Graduate, Ç.İLHAN(Student), 2019
- GÜRBÜZ R., The effects of heat treatment on microstructure, hardness and fatigue behavior of (AMS5659) 15-5 precipitation hardenable stainless steel, Post Graduate, Ş.GÖREN(Student), 2018
- TOPKAYA Y. A. , GÜRBÜZ R., Solvent extraction of scandium from pregnant leach solution of nickel laterites, Post Graduate, E.FERİZOĞLU(Student), 2017
- ÖGEL B., GÜRBÜZ R., Determination of fracture and fatigue behaviours of 4340 steel, Post Graduate, G.ŞEN(Student), 2015
- YURTIŞIK K., GÜRBÜZ R., AN INVESTIGATION ON FATIGUE CRACK PROPAGATION IN GAS METAL AND HYBRID PLASMA-GAS METAL ARC WELDMENTS OF AA5083-H111, Post Graduate, K.OKAN(Student), 2015
- GÜRBÜZ R., Fracture and fatigue crack growth characterization of conventional and head hardened railway rail steels, Post Graduate, A.MOTAMENI(Student), 2014
- GÜRBÜZ R., Mode II fatigue crack growth behavior and mode II fracture toughness of 7050 aluminium alloy in two orientations, Post Graduate, M.Ender(Student), 2013
- GÜRBÜZ R., Kinetics and microstructural analysis of fatigue fracture progress in weld joints of duplex stainless steel grade 2205, Doctorate, K.YURTIŞIK(Student), 2013
- GÜRBÜZ R., Mode II fatigue crack growth behavior and mode II fracture toughness of 7050 aluminum alloy in two orientations, Post Graduate, E.YURTOĞLU(Student), 2013
- GÜRBÜZ R., GÜR C. H. , Microstructural and mechanical characterization of duplex stainless steel grade 2205 joined by hybrid plasma and gas metal arc welding, Post Graduate, B.TOLUNGÜÇ(Student), 2012
- GÜRBÜZ R., Evaluation of effect of fillet rolling process on the fatigue performance of a diesel engine crankshaft, Doctorate, G.ÇEVİK(Student), 2012
- GÜRBÜZ R., KAYRAN A., Determination of stress intensity factors in cracked panels reinforced with riveted stiffeners, Post Graduate, M.BURAK(Student), 2012
- BATIGÜN C., GÜRBÜZ R., Microstructural and mechanical characterization of metal active gas welded joint between cast iron and low carbon steel, Post Graduate, M.TOLGA(Student), 2011
- BATIGÜN C., GÜRBÜZ R., Effect of welding parameters on the hot cracking behavior of 7039 aluminum-zinc alloy, Post Graduate, M.AKKUŞ(Student), 2010
- GÜRBÜZ R., Fatigue crack growth behaviour of AA6013 aluminum alloy at different aging conditions, Post Graduate, A.EGEMEN(Student), 2006
- GÜRBÜZ R., Effect of retrogression and reaging heat treatment on corrosion fatigue crack growth behavior of AA7050 alloy, Post Graduate, N.AKGÜN(Student), 2004
- GÜRBÜZ R., Effect of temperature on fatigue properties of DIN 35 NiCrMoV 12 5 steel, Post Graduate, O.UMUR(Student), 2003
- GÜRBÜZ R., Study of salt-water cracking behavior of 7050 T73651 aluminum alloy through slow strain rate testing under potentiostatic control, Post Graduate, E.KUŞ(Student), 2002

ÖGEL B., GÜRBÜZ R., A Study on flexural strength of layered Al-SiCp composites produced by powder metallurgy methods, Post Graduate, S.TİRKEŞ(Student), 2002

ÖGEL B., GÜRBÜZ R., A study on flexural strength of layered al-sic composites produced by powder metallurgy methods, Post Graduate, S.Tirkeş(Student), 2002

ÖGEL B., GÜRBÜZ R., Hot pressing studies in Al-Cu-Mg-SiC system, Post Graduate, F.MUAZZEZ(Student), 2000

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GÜRBÜZ R., Effect of loading spectrum on the fatigue crack growth kinetics of an Al-Zn-Mg-Cu alloy, Post Graduate, Ç.DÜNDAR(Student), 1995

GÜRBÜZ R., The effect of stress ratio on fatigue crack growth kinetics of AISI 4340 steel, Post Graduate, Ş.ÇADIRCI(Student), 1995

GÜRBÜZ R., Effect of copper on the fatigue crack growth behaviour of ductile cast irons, Post Graduate, A.Hakan(Student), 1994

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GÜRBÜZ R., Effect of aging on the fatigue crack kinetics of Al-Zn-Mg-Cu alloy, Post Graduate, P.S.(Student), 1993

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

- I. **Biomechanical Evaluation of a Novel Apatite-Wollastonite Ceramic Cage Design for Lumbar Interbody Fusion: A Finite Element Model Study**
BOZKURT C., ŞENKÖYLÜ A., Aktas E., SARIKAYA B., SİPAHİOĞLU S., GÜRBÜZ R., Timucin M.
BIOMED RESEARCH INTERNATIONAL, vol.2018, 2018 (Journal Indexed in SCI)
- II. **A Pilot Study of Joint Stability at the Zirconium or Titanium Abutment/Titanium Implant Interface**
Cavusoglu Y., AKÇA K., GÜRBÜZ R., ÇEHRELİ M. C.
INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS, vol.29, no.2, pp.338-343, 2014 (Journal Indexed in SCI)
- III. **Characterization of Duplex Stainless Steel Weld Metals Obtained by Hybrid Plasma-Gas Metal Arc Welding**
YURTIŞIK K., TİRKEŞ S., Dykhno I., GÜR C. H. , GÜRBÜZ R.
SOLDAGEM & INSPECAO, vol.18, no.3, pp.207-216, 2013 (Journal Indexed in SCI)
- IV. **Evaluation of fatigue performance of a fillet rolled diesel engine crankshaft**
Cevik G., Gurbuz R.
ENGINEERING FAILURE ANALYSIS, vol.27, pp.250-261, 2013 (Journal Indexed in SCI)
- V. **Fatigue Resistance of 2 Different CAD/CAM Glass-Ceramic Materials Used for Single-Tooth Implant Crowns**
Cavusoglu Y., Sahin E., GÜRBÜZ R., AKÇA K.
IMPLANT DENTISTRY, vol.20, no.5, pp.374-378, 2011 (Journal Indexed in SCI)
- VI. **Structure and mechanical properties of Cresco-Ti laser-welded joints and stress analyses using finite element models of fixed distal extension and fixed partial prosthetic designs**

- Uysal H., Kurtoglu C., Gurbuz R., Tutuncu N.
JOURNAL OF PROSTHETIC DENTISTRY, vol.93, no.3, pp.235-244, 2005 (Journal Indexed in SCI)
- VII. **Effect of copper alloying on fatigue life and fatigue crack growth behaviour of ductile cast irons**
GURBUZ R., Kalkanli A., GONENC H.
CANADIAN METALLURGICAL QUARTERLY, vol.43, no.1, pp.137-144, 2004 (Journal Indexed in SCI)
- VIII. **Fatigue crack growth behaviour in aluminium alloy 7475 under different aging conditions**
Gurbuz R., Sarioglu F.
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- IX. **Microstructural characterization and tensile properties of hot pressed Al-SiC composites prepared from pure Al and Cu powders**
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- X. **THE EFFECT OF COARSE 2ND PHASE PARTICLES ON FATIGUE-CRACK PROPAGATION OF AN AL-ZN-MG-CU ALLOY**
GURBUZ R., ALPAY S.
SCRIPTA METALLURGICA ET MATERIALIA, vol.30, no.11, pp.1373-1376, 1994 (Journal Indexed in SCI)
- XI. **EFFECT OF AGING ON THE FATIGUE-CRACK GROWTH-KINETICS OF AN AL-ZN-MG-CU ALLOY IN 2 DIRECTIONS**
ALPAY S., GURBUZ R.
SCRIPTA METALLURGICA ET MATERIALIA, vol.30, no.4, pp.423-427, 1994 (Journal Indexed in SCI)
- XII. **EFFECT OF SALT-WATER FOG ON FATIGUE CRACK-GROWTH BEHAVIOR OF 7050-ALUMINUM ALLOY IN DIFFERENT ORIENTATIONS**
GURBUZ R., DORUK M., SCHUTZ W.
JOURNAL OF MATERIALS SCIENCE, vol.26, no.4, pp.1032-1038, 1991 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Fatigue Behavior of Welded API 5L X70 Steel Used in Pipelines**
Turhan S. O. , Motameni A., GÜRBÜZ R.
JOURNAL OF FAILURE ANALYSIS AND PREVENTION, vol.20, no.5, pp.1554-1567, 2020 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of Fillet Rolling Load on the Fatigue Performance of a Micro-Alloy Steel Diesel Engine Crankshaft**
Cevik G., Gurbuz R.
6th International Conference on Fracture Fatigue and Wear (FFW), Porto, Portugal, 26 - 27 July 2017, vol.843

Supported Projects

- GÜRBÜZ R., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016
- GÜRBÜZ R., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015
- GÜRBÜZ R., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015
- GÜRBÜZ R., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ,

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ÖGEL B., GÜRBÜZ R., Project Supported by Higher Education Institutions, MİKROALAŞIMLI ÇELİKLERDE BEYNİT OLUŞUMU VE BUNA BAĞLI MEKANİK ÖZELLİKLERDEKİ DEĞİŞİMİN İNCELENMESİ, 2014 - 2014

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GÜRBÜZ R., MOTAMENİ TABATABAEI A., Project Supported by Higher Education Institutions, DETERMINATION OF MODE II FATIGUE CRACK GROWTH BEHAVIOR IN RAILWAY STEELS, 2013 - 2013

Citations

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