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Education Information

Doctorate, University of Ulster, Mühendislik, Makina, United Kingdom 1989 - 1994

Undergraduate, Middle East Technical University, Faculty Of Engineering, Makina, Turkey 1979 - 1985

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, INFLUENCE OF PROCESS-INDUCED STRESSES ON THE MECHANICAL BEHAVIOUR AND DIMENSIONAL STABILITY OF THERMOPLASTIC INJECTION MOULDINGS, University Of Ulster, Mühendislik Fakültesi, Makina Bölümü, 1994

Research Areas

Technical Sciences, Mechanical Engineering, Construction and Manufacturing, Machine Elements, Metallurgical and Materials Engineering, Material science and engineering, Polymeric Materials

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Department of Mechanical Engineering, 2009 - Continues

Associate Professor, Erciyes University, Mühendislik Fakültesi, Department of Mechanical Engineering, 2004 - 2009

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Department of Mechanical Engineering, 1995 - 2004

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

- I. INVESTIGATION OF THE WEAR BEHAVIOUR OF CRANKSHAFT JOURNAL BEARINGS AND BUSHING WITH RESPECT TO PROCESS PARAMETERS
ÖZDEN S., NAİR F., Kara K.
JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, vol.17, no.2, pp.192-205, 2011 (Journal Indexed in SCI)
- II. The Stabilization of Bisphenol-A Based Polycarbonate by Phosphine Oxide
ÖZDEN S., SHAOV A. K. , CHARAEV A. M.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.116, no.3, pp.1475-1482, 2010 (Journal Indexed in SCI)

- III. **Synthesis and Modification of Aromatic Polyesters with Chloroacetyl 3,5-Dibromo-p-hydroxybenzoic Acid**
ÖZDEN S., CHARAYEV A. M. , BAZHEVA R. C.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.111, no.4, pp.1755-1762, 2009 (Journal Indexed in SCI)
- IV. **Inhibition of thermal oxidation destruction of PBT/HDPE blends by organic compounds of five-valent phosphorus**
ÖZDEN S., BORUKAYEV T. A. , SHAOV A. K.
INTERNATIONAL POLYMER PROCESSING, vol.23, no.3, pp.339-344, 2008 (Journal Indexed in SCI)
- V. **The synthesis of block copolyetherketones based on 4,4 '-dichlorodiphenylketone, phenolphthaleine, and bisphenol A and investigation of their properties**
ÖZDEN S., CHARAYEV A. M. , SHAOV A. H. , BAZHEVA R. C.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.107, no.4, pp.2459-2465, 2008 (Journal Indexed in SCI)
- VI. **The Influence of Fe/FeO Mixture on the Molecular Fluctuation Networks of Polybutyleneterephthalate**
ÖZDEN S., BORUKAYEV T. A.
POLYMERS & POLYMER COMPOSITES, vol.16, no.6, pp.389-394, 2008 (Journal Indexed in SCI)
- VII. **Compositions based on aromatic polycarbonate and metallic phosphinic acids**
Ozden S., SHAOV A. H. , CHARAYEV A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.104, no.6, pp.3628-3636, 2007 (Journal Indexed in SCI)
- VIII. **Investigation of impact behaviour of aluminium based SiC particle reinforced metal-matrix composites**
Ozden S., Ekici R., Nair F.
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, vol.38, pp.484-494, 2007 (Journal Indexed in SCI)
- IX. **The conditions of minimum potential energy and Castigliano's functional in a non-linear media**
Oshhkunov M., Ozden S.
INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, vol.38, no.1, pp.71-77, 2003 (Journal Indexed in SCI)
- X. **Synthesis of block copolyetherether ketones and investigations of their properties**
Ozden S., CHARAYEV A., SHAOV A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.85, no.3, pp.485-490, 2002 (Journal Indexed in SCI)
- XI. **The improvement of the fracture behaviour of polybutyleneterephthalate modified by highly dispersed metals**
Ozden S., BORUKAYEV T., MASHUKOV N., MIKITAYEV A.
POLYMERS & POLYMER COMPOSITES, vol.10, no.3, pp.249-255, 2002 (Journal Indexed in SCI)
- XII. **High impact thermally stable block copolyethers**
Ozden S., CHARAYEV A., SHAOV A.
JOURNAL OF MATERIALS SCIENCE, vol.36, no.18, pp.4479-4484, 2001 (Journal Indexed in SCI)
- XIII. **The effects of p-butoxyphenylcyclohexyl-phosphinic acid on the properties of PC based on bisphenol A**
Ozden S., SHAOV A., CHARAYEV A., GURDALIYEV X.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.80, no.11, pp.2113-2119, 2001 (Journal Indexed in SCI)
- XIV. **Aromatic flock copolyesters stabilised with metallic salts of phosphinic acid**
Ozden S., SHAOV A., CHARAYEV A., MIKITAEV A., BEDANOKOV A.
POLYMERS & POLYMER COMPOSITES, vol.9, no.3, pp.213-219, 2001 (Journal Indexed in SCI)
- XV. **Mechanisms of stabilisation of high density polyethylene against oxidation using highly dispersed Fe-FeO mixtures**
Ozden S., HATSUKOVA M., MASHUKOV H., KOZLOV G.
PLASTICS RUBBER AND COMPOSITES, vol.29, no.5, pp.212-215, 2000 (Journal Indexed in SCI)
- XVI. **The synthesis of polyetheretherketones and investigations of their properties**
Ozden S., CHARAYEV A., SHAOV A.

- JOURNAL OF MATERIALS SCIENCE, vol.34, no.11, pp.2741-2744, 1999 (Journal Indexed in SCI)
- XVII. **Synthesis and assessment of the properties of polyetherketones (PEK) based on olygoketonephenolphthaleines (OKPP)-polyester block copolymers**
Ozden S., CHARAYEV A., SHAOV A., SHUSTOV G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.68, no.6, pp.1013-1017, 1998 (Journal Indexed in SCI)
- XVIII. **Stabilising the structure of HDPE by the use of highly-dispersed mixture of Fe/FeO**
Ozden S.
INTERNATIONAL POLYMER PROCESSING, vol.13, no.1, pp.23-26, 1998 (Journal Indexed in SCI)
- XIX. **Compositions based on aromatic block copolyester and p-butoxyphenyl cyclohexyl phosphinic acid**
Ozden S., SHAOV A., CHARAYEV A., BIDANIKOV A.
POLYMERS & POLYMER COMPOSITES, vol.6, no.2, pp.103-107, 1998 (Journal Indexed in SCI)
- XX. **Assessment of thermal stresses in injection moulded polycarbonate**
Akay M., Ozden S.
Plastics, Rubber and Composites Processing and Applications, vol.25, no.3, pp.145-151, 1996 (Journal Indexed in SCI Expanded)
- XXI. **An assessment of thermal stresses in injection moulded ABS copolymer**
AKAY M., Ozden S.
INTERNATIONAL POLYMER PROCESSING, vol.11, no.2, pp.179-187, 1996 (Journal Indexed in SCI)
- XXII. **Prediction of process-induced warpage in injection molded thermoplastics**
AKAY M., Ozden S., TANSEY T.
POLYMER ENGINEERING AND SCIENCE, vol.36, no.13, pp.1839-1846, 1996 (Journal Indexed in SCI)
- XXIII. **THE INFLUENCE OF RESIDUAL-STRESSES ON THE MECHANICAL AND THERMAL-PROPERTIES OF INJECTION-MOLDED ABS COPOLYMER**
AKAY M., OZDEN S.
JOURNAL OF MATERIALS SCIENCE, vol.30, no.13, pp.3358-3368, 1995 (Journal Indexed in SCI)
- XXIV. **MEASUREMENT OF RESIDUAL-STRESSES IN INJECTION-MOLDED THERMOPLASTICS**
AKAY M., OZDEN S.
POLYMER TESTING, vol.13, no.4, pp.323-354, 1994 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Influence of residual stresses on mechanical and thermal properties of injection moulded polycarbonate**
AKAY M., Ozden S.
Plastics, Rubber and Composites Processing and Applications, vol.25, no.3, pp.138-144, 1996 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **The Importance of the Taguchi Experimental Desingne on The Determination of the Affective Factors of teh Journal Bearing**
CANBULUT F., ÖZDEN S., SİNANOĞLU C.
The First Mediterranean Tribology Conference, Jerusalem, Israel, 8 - 09 November 2000
- II. **The effects of lubricating oil onthe internal combustion engine**
SİNANOĞLU C., CANBULUT F., ÖZDEN S.
The first mediterranean tribology canference, 8 - 09 November 2000, vol.1
- III. **The Effects of Lubricating oil on the Internal Combustion Engine**
Sinanoğlu C., CANBULUT F., Özden S.
The First Mediterranean Tribology Conference, Jurusalem, Israel, 12 June 2000 - 14 June 0200, vol.1, pp.12-16

Supported Projects

CANBULUT F., SİNANOĞLU C., ÖZDEN S., Project Supported by Higher Education Institutions, YÜKSEK HIZ VE DÜŞÜK YÜKLERDE YAĞLAYICI OLARAK KULLANILAN GAZLARIN YATAK PERFORMANSINA ETKİLERİNİN DENEYSEL OLARAK ARAŞTIRILMASI, 2005 - 2007

ÖZDEN S., ÖZARSLAN B., Project Supported by Higher Education Institutions, KOMPOZİT MALZEMELERİN MEKANİK DAVRANIŞLARININ İYİLEŞTİRİLMESİ, 2004 - 2005

ÖZDEN S., Project Supported by Higher Education Institutions, KARBON FİBER DESTEKLİ KOMPOZİT MALZEMELERİN ÜRETİMİ SIRASINDA DİKİŞLE DİKİLMESİ İLE MEKANİK ÖZELLİKLERİNİN GELİŞTİRİLMESİ., 2002 - 2005

Citations

Total Citations (WOS):320

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