

Assoc. Prof. MERVE ERDAL ERDOĞMUŞ

Personal Information

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Foreign Languages

English, C1 Advanced

Advising Theses

ERDAL ERDOĞMUŞ M., Experimental and numerical study of spring-in angle in corner shaped composite parts, Post Graduate, K.FURKAN(Student), 2014

ERDAL ERDOĞMUŞ M., Experimental investigation of particle filtration in compression resin transfer molding of advanced composites, Post Graduate, T.AYDİL(Student), 2014

ERDAL ERDOĞMUŞ M., KAYRAN A., Evaluation of effective elastic properties of honeycomb sandwich structures by optimization involving modal behavior, Post Graduate, O.ÇINAR(Student), 2014

ERDAL ERDOĞMUŞ M., Modeling of particle filled resin impregnation in compression resin transfer molding, Post Graduate, H.SİNEM(Student), 2010

ERDAL ERDOĞMUŞ M., Manufacturing and characterization of uniformly porous and graded porous polymeric structures via selective laser sintering, Post Graduate, Y.ABEİD(Student), 2009

ERDAL ERDOĞMUŞ M., Part cooling analysis by conformal cooling channels in injection molding, Post Graduate, M.EMİN(Student), 2007

ERDAL ERDOĞMUŞ M., Modeling of resin transfer molding for composites manufacturing, Post Graduate, H.İPEK(Student), 2005

GÖKLER M. İ. , ERDAL ERDOĞMUŞ M., Effects of production parameters on porosity and hole properties in laser sintering rapid prototyping process, Post Graduate, Ö.İLKGÜN(Student), 2005

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

- I. **Development of strain monitoring system for glass fiber reinforced composites via embedded electrically conductive pathways**
Tanabi H., Erdal M.
ADVANCED COMPOSITE MATERIALS, vol.28, pp.653-673, 2019 (Journal Indexed in SCI)
- II. **Effect of CNTs dispersion on electrical, mechanical and strain sensing properties of CNT/epoxy nanocomposites**
Tanabi H., ERDAL ERDOĞMUŞ M.
RESULTS IN PHYSICS, vol.12, pp.486-503, 2019 (Journal Indexed in SCI)
- III. **Experimental and numerical study of process-induced total spring-in of corner-shaped composite parts**
Cicek K. F. , Erdal Erdoğmuş M., Kayran A.
JOURNAL OF COMPOSITE MATERIALS, vol.51, pp.2347-2361, 2017 (Journal Indexed in SCI)
- IV. **Accurate equivalent models of sandwich laminates with honeycomb core and composite face sheets via optimization involving modal behavior**
Cinar O., ERDAL ERDOĞMUŞ M., KAYRAN A.

JOURNAL OF SANDWICH STRUCTURES & MATERIALS, vol.19, pp.139-166, 2017 (Journal Indexed in SCI)

V. Production of graded porous polyamide structures and polyamide-epoxy composites via selective laser sintering

Jande Y. A. C. , ERDAL ERDOĞMUŞ M., DAĞ S.

JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.33, pp.1017-1036, 2014 (Journal Indexed in SCI)

VI. Modeling of particle-resin suspension impregnation in compression resin transfer molding of particle-filled, continuous fiber reinforced composites

Sas H. S. , ERDAL ERDOĞMUŞ M.

HEAT AND MASS TRANSFER, vol.50, pp.397-414, 2014 (Journal Indexed in SCI)

VII. Proposal and evaluation of a KBE-RM selection system

Munguia J., Bernard A., ERDAL ERDOĞMUŞ M.

RAPID PROTOTYPING JOURNAL, vol.17, pp.236-246, 2011 (Journal Indexed in SCI)

VIII. Impregnation molding of particle-filled preceramic polymers: Process modeling

Erdal M., Guceri S., Danforth S.

JOURNAL OF THE AMERICAN CERAMIC SOCIETY, vol.82, pp.2017-2028, 1999 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

I. Experimental Investigation of Particle-Filler Distribution in Continuous Fiber-Reinforced Composites Produced via Liquid Molding

Aydil T., Tanabi H., ERDAL ERDOĞMUŞ M.

28th Technical Conference of the American-Society-for-Composites, Pennsylvania, United States Of America, 9 - 11 September 2013

II. Manufacturing of Functionally Graded Porous Products by Selective Laser Sintering

ERDAL ERDOĞMUŞ M., DAĞ S., Jande Y., Tekin C. M.

10th International Symposium on Multiscale, Multifunctional and Functionally Graded Materials, Sendai, Japan, 22 - 25 September 2008, pp.253-258

Supported Projects

ERDAL ERDOĞMUŞ M., Project Supported by Higher Education Institutions, Parçacık Dolgulu, Kesintisiz Elyaf Destekli İleri Kompozit Malzeme Üretiminde Reçine Emdirimi Sırasında Oluşan Parçacık Dağılımının Ölçülmesi, 2011 - 2011

ERDAL ERDOĞMUŞ M., Project Supported by Higher Education Institutions, Bakılı Reçine Transfer Kalıplama Yöntemiyle Parçacık Dolgulu İleri Kompozit Malzeme Üretiminin Modellenmesi, 2009 - 2009

Citations

Total Citations (WOS):84

h-index (WOS):6