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Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 2018 - Continues
Postgraduate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Yl) (Tezli), Turkey 2016 - 2018
Undergraduate, Pamukkale University, Faculty Of Engıneerıng, Department Of Mechanıcal Engıneerıng, Turkey 2008 - 2013

Dissertations

Postgraduate, YAPISAL SAĞLIK İZLEMEDE KULLANILAN PİEZOELEKTRİK SENSÖRLERİN SICAKLIK ETKİSİNİN İNCELENMESİ, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Yl) (Tezli), 2018

Research Areas

Mechanical Engineering, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Kafkas University, Faculty Of Engıneerıng-Archıtecture, Department Of Mechanıcal Engıneerıng, 2016 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Investigation of electromechanical impedance and residual stress relation for samples machined by hot ultrasonic-assisted turning**
SOFUOĞLU M. A., HAYDARLAR G., Kuşhan M. C., ORAK S., TEKKALMAZ M.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.236, no.8, pp.4180-4193, 2022 (SCI-Expanded)

II. **A statistical analysis of temperature compensation for piezoelectric sensor bonded to AISI-1080 material**
TEKKALMAZ M., HAYDARLAR G., SOFUOĞLU M. A.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART C: JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.235, no.20, pp.5093-5102, 2021 (SCI-Expanded)

III. **A statistical analysis of temperature compensation for piezoelectric sensor bonded to AISI-1080 material**
TEKKALMAZ M., HAYDARLAR G., SOFUOĞLU M. A.
Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, vol.235, no.20, pp.5093-5102, 2021 (SCI-Expanded)

Articles Published in Other Journals

I. **An electromechanical in situ viscosity measurement technique for shear thickening fluids**
HAYDARLAR G., SOFUOĞLU M. A., GÜRGEN S., KUŞHAN M. C., TEKKALMAZ M.
ADVANCED ENGINEERING FORUM, 2021 (Peer-Reviewed Journal)
II. **Curve/probabilistic fitting of damage metrics for Al-7075 materials behavior by using electromechanical impedance method**
HAYDARLAR G., TEKKALMAZ M., SOFUOĞLU M. A.
Journal of Polytechnic, vol.24, pp.481-494, 2021 (ESCI)
III. **Investigation of the R260 Rail Steel Behavior at Varying Temperatures by EMI Method**
TEKKALMAZ M., HAYDARLAR G., Umit E. R.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.22, no.4, pp.955-960, 2019 (ESCI)
IV. **Investigation of the Behavior of Piezoelectric Sensors Used in Structural Health Monitoring at Different Temperatures**
TEKKALMAZ M., HAYDARLAR G., SOFUOĞLU M. A.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.22, no.3, pp.597-606, 2019 (ESCI)
V. **Yapısal sağlık izlemede kullanılan piezoelektrik sensörlerin değişen sıcaklıklarda davranışının incelenmesi**
TEKKALMAZ M., HAYDARLAR G., SOFUOĞLU M. A.
Journal of Polytechnic, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Al-7075 alaşımının talaşlı işlenmesinde titreşim parametrelerinin yapısal sağlık izleme ile takibi**
ÇOBAN U., PARLAKTAŞ A., SANDUVAÇ E., ANAMASLI H., RAGİMOV Y., HAYDARLAR G., SOFUOĞLU M. A., TEKKALMAZ M., GÜL E.
3. Uluslararası İstanbul Modern Bilimsel Araştırmalar Kongresi, Turkey, 6 - 08 May 2022
II. **Duvarında Sinüzoidal Sıcaklık Dağılımı Olan Kapalı Kutularda Doğal Taşınım ve TermalRadyasyon ile Isı Geçişinin İncelenmesi**
TEKKALMAZ M., HAYDARLAR G.
22. Isı Bilimi ve Tekniği Kongresi, 11 - 14 September 2019
III. **Investigation of the Piezoelectric Charge Coefficients at VaryingTemperatures**
TEKKALMAZ M., HAYDARLAR G.
1st International Symposium on Innovative Approaches in Scientific Studies, 11 - 13 April 2018
IV. **An Experimental Investigation of the Temperature Effect onAntiResonance Frequency**
TEKKALMAZ M., HAYDARLAR G.
1st International Symposium on Innovative Approaches in Scientific Studies, 11 - 13 April 2018
V. **EMI Method Used in Structural Health Monitoring: A Literature Review**
HAYDARLAR G., TEKKALMAZ M.
1st International Symposium on Innovative Approaches in Scientific Studies, 11 - 13 April 2018
VI. **Effect of Temperature on Sensors Used in Structural Health Monitoring: A Literature Review**
TEKKALMAZ M., HAYDARLAR G.
1st International Symposium on Innovative Approaches in Scientific Studies, 11 - 13 April 2018

VII. **Assessment of Temperature Effect on Piezoelectric Wafer Active Sensors**
HAYDARLAR G., TEKKALMAZ M., KAMAŞ T.
INTERNATIONAL CONGRESS ON APPLIED SCIENCE AND TECHNOLOGY, 17 - 20 April 2017

VIII. **Experimental and Numerical Investigation of the Behavior of Shear Horizontal Piezoelectric Sensors**
HAYDARLAR G., TEKKALMAZ M., KAMAŞ T.
INTERNATIONAL CONGRESS ON APPLIED SCIENCE AND TECHNOLOGY, 17 - 20 April 2017

Metrics

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Citation (WoS): 8
Citation (Scopus): 9
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