

Asst. Prof. Hacı Abdullah Taşdemir

Personal Information

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Education Information

Doctorate, Nagoya University, Makine Bilimi Ve Mühendisliüğü, Japan 2011 - 2014

Postgraduate, Purdue University, Makine Mühendisliğı, United States Of America 2009 - 2011

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliğı Bölümü, Turkey 2002 - 2007

Foreign Languages

German, B1 Intermediate

English, C1 Advanced

Dissertations

Doctorate, Boundary lubrication mechanisms of diamond-like carbon coatings with oil additives, Nagoya Üniversitesi, Makine Bilimi Ve Mühendisliüğü, 2014

Research Areas

Mechanical Engineering, Construction and Manufacturing, Tribology, Machine Elements, Machine Design, Material, Mechanical, Mechanical Properties, Composites, Polymeric Materials, Plating, Material Characterization, Mechanical Metallurgy, Metallic Materials, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, Makina, Makina Mühendisliğı, 2018 - Continues

Assistant Professor, Istanbul Technical University, Makina, Makina Mühendisliğı, 2015 - 2018

Research Assistant, Istanbul Technical University, Makina, Makina Mühendisliğı, 2014 - 2015

Academic and Administrative Experience

Deputy Head of Department, Istanbul Technical University, Makina, Makina Mühendisliğı, 2017 - 2020

İstanbul Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliğı Bölümü, 2016 - 2016

Courses

Machine Design, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2020 - 2021

ENGINEERING MATHEMATICS, Postgraduate, 2018 - 2019, 2019 - 2020, 2020 - 2021

Engineering Mechanics, Undergraduate, 2018 - 2019, 2020 - 2021
Probability and Statistics, Undergraduate, 2019 - 2020, 2020 - 2021
Makina Elemanları II, Undergraduate, 2016 - 2017
PROJE TASARIM ESASLARI, Undergraduate, 2015 - 2016, 2016 - 2017
Atölye, Undergraduate, 2016 - 2017
Project Design Principles, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of ZnDTP tribofilm's morphology on friction behaviors of DLC coatings: Tribofilm characterization by 3D scanning electron microscope observation**
Aboua K. A. M. , Umehara N., Kousaka H., Tokoroyama T., Murashima M., Taşdemir H. A. , Mabuchi Y., Higuchi T.
JOURNAL OF ADVANCED MECHANICAL DESIGN SYSTEMS AND MANUFACTURING, vol.12, no.7, 2018 (Journal Indexed in SCI)
- II. **Effect of carbon diffusion on friction and wear properties of diamond-like carbon in boundary base oil lubrication**
ABOUA K. A. M. , Umehara N., Kousaka H., DENG X., TAŞDEMİR H. A. , Mabuchi Y., HIGUCHI T., KAWAGUCHI M.
Tribology International, vol.113, pp.389-398, 2017 (Journal Indexed in SCI Expanded)
- III. **The effect of oil temperature and additive concentration on the wear of non-hydrogenated DLC coating**
Tasdemir H. A. , Wakayama M., Tokoroyama T., Kousaka H., Umehara N., MABUCHI Y., HIGUCHI T.
TRIBOLOGY INTERNATIONAL, vol.77, pp.65-71, 2014 (Journal Indexed in SCI)
- IV. **Influence of zinc dialkyldithiophosphates tribofilm formation on the tribological performance of self mated diamond like carbon contacts under boundary lubrication**
Taşdemir H. A. , Tokoroyama T., Kousaka H., Umehara N., Mabuchi Y.
Thin Solid Films, vol.562, pp.389-397, 2014 (Journal Indexed in SCI Expanded)
- V. **Wear behaviour of tetrahedral amorphous diamond-like carbon (ta-C DLC) in additive containing lubricants**
Tasdemir H. A. , Wakayama M., Tokoroyama T., Kousaka H., Umehara N., MABUCHI Y., HIGUCHI T.
WEAR, vol.307, pp.1-9, 2013 (Journal Indexed in SCI)
- VI. **Ultra-low friction of tetrahedral amorphous diamond-like carbon (ta-C DLC) under boundary lubrication in poly alpha-olefin (PAO) with additives**
Tasdemir H. A. , Wakayama M., Tokoroyama T., Kousaka H., Umehara N., MABUCHI Y., HIGUCHI T.
TRIBOLOGY INTERNATIONAL, vol.65, pp.286-294, 2013 (Journal Indexed in SCI)

Citations

Total Citations (WOS):153

h-index (WOS):5