

Prof. VOLKAN PARLAKTAŞ



Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: G-6148-2013

Yoksis Researcher ID: 124194



Education Information

Doctorate, Middle East Technical University, Fen Bilimleri, Makina Müh., Turkey 2002 - 2007

Foreign Languages

English, C2 Mastery

Research Areas

Mechanical Engineering, Machine Theory and Dynamics, Mechanisms, Engineering and Technology

Academic Titles / Tasks

Professor, Hacettepe University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2020 - Continues

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2014 - Continues

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2013 - 2014

Lecturer PhD, Hacettepe University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2007 - 2014

Lecturer, Middle East Technical University, Faculty Of Engineering, Makine Mühendisliği Bölümü, 2005 - 2007

Research Assistant, Middle East Technical University, Faculty Of Engineering, Makine Mühendisliği Bölümü, 2000 - 2005

Academic and Administrative Experience

Deputy Head of Department, Hacettepe University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2021 - Continues

Advising Theses

PARLAKTAŞ V., Theoretical and experimental analyses of compliant universal joint, Postgraduate, Ç.MERVE(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On the analysis and design of a fully compliant large stroke slider-crank (rocker) mechanism**
Tanik C. M., TANIK E., YAZICIOĞLU Y., PARLAKTAŞ V.
MECHANICAL SCIENCES, vol.11, no.1, pp.29-38, 2020 (SCI-Expanded)
- II. **The Design and Manufacturing Process of an Electric Sport Car (EVT S1) Chassis**
PARLAKTAŞ V., TANIK E., Babaarslan N., Calik G. B.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF MECHANICAL ENGINEERING, 2019 (SCI-Expanded)
- III. **On the design of a novel fully compliant spherical four-bar mechanism**
PARLAKTAŞ V., TANIK E., Tanik C. M.
ADVANCES IN MECHANICAL ENGINEERING, vol.11, no.9, 2019 (SCI-Expanded)
- IV. **On the synthesis of a geared adjustable stroke mechanism**
PARLAKTAŞ V.
JOURNAL OF ADVANCED MECHANICAL DESIGN SYSTEMS AND MANUFACTURING, vol.12, no.2, 2018 (SCI-Expanded)
- V. **On the analysis of double wishbone suspension regarding steering input and anti-dive/lift effect**
TANIK E., PARLAKTAŞ V.
JOURNAL OF ADVANCED MECHANICAL DESIGN SYSTEMS AND MANUFACTURING, vol.10, no.2, 2016 (SCI-Expanded)
- VI. **DESIGN OF A VERY LIGHT L7E ELECTRIC VEHICLE PROTOTYPE**
TANIK E., PARLAKTAŞ V.
INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY, vol.16, no.6, pp.997-1005, 2015 (SCI-Expanded)
- VII. **Steel compliant Cardan universal joint**
TANIK Ç. M., PARLAKTAŞ V., TANIK E., Kadioglu S.
MECHANISM AND MACHINE THEORY, vol.92, pp.171-183, 2015 (SCI-Expanded)
- VIII. **On the analysis of double wishbone suspension**
TANIK E., PARLAKTAŞ V.
JOURNAL OF ADVANCED MECHANICAL DESIGN SYSTEMS AND MANUFACTURING, vol.9, no.3, 2015 (SCI-Expanded)
- IX. **Fully compliant spatial four-bar mechanism**
TANIK E., PARLAKTAŞ V.
JOURNAL OF ADVANCED MECHANICAL DESIGN SYSTEMS AND MANUFACTURING, vol.9, no.1, 2015 (SCI-Expanded)
- X. **Single piece compliant spatial slider-crank mechanism**
PARLAKTAŞ V., TANIK E.
MECHANISM AND MACHINE THEORY, vol.81, pp.1-10, 2014 (SCI-Expanded)
- XI. **Spatial compliant constant-force mechanism**
Parlaktas V.
MECHANISM AND MACHINE THEORY, vol.67, pp.152-165, 2013 (SCI-Expanded)
- XII. **Compliant Cardan Universal Joint**
TANIK E., PARLAKTAŞ V.
JOURNAL OF MECHANICAL DESIGN, vol.134, no.2, 2012 (SCI-Expanded)
- XIII. **Partially compliant spatial slider-crank (RSSP) mechanism**
PARLAKTAŞ V., TANIK E.
MECHANISM AND MACHINE THEORY, vol.46, no.11, pp.1707-1718, 2011 (SCI-Expanded)
- XIV. **A new type of compliant spatial four-bar (RSSR) mechanism**
TANIK E., PARLAKTAŞ V.
MECHANISM AND MACHINE THEORY, vol.46, no.5, pp.593-606, 2011 (SCI-Expanded)
- XV. **On the synthesis of a geared four-bar mechanism**
PARLAKTAŞ V., SÖYLEMEZ E., TANIK E.

Supported Projects

PARLAKTAŞ V., Project Supported by Higher Education Institutions, Hidrojen Yakıtlı Elektrikli Araç, 2013 - 2017

Metrics

Publication: 15

Citation (WoS): 112

Citation (Scopus): 125

H-Index (WoS): 8

H-Index (Scopus): 8

Non Academic Experience

ODTÜ Makina Müh.

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