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International Researcher IDs

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Education Information

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

Foreign Languages

English, C1 Advanced

Research Areas

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

Academic Titles / Tasks

Lecturer PhD, Hacettepe University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2007 - Continues

Courses

MEKANİZMA TASARIMI, Postgraduate, 2016 - 2017

ARAÇ ŞAŞI VE AKTARMA ORGANLARI İLKELEİ, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Transmission angle in compliant four-bar mechanism**
KARAKUŞ R., TANIK E.
International Journal of Mechanics and Materials in Design, vol.19, no.3, pp.713-727, 2023 (SCI-Expanded)
- II. **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)
- III. **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)

- IV. **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)
- V. **Novel compliant wiper mechanism**
KARAKUŞ R., TANIK E.
MECHANICAL SCIENCES, vol.9, no.2, pp.327-336, 2018 (SCI-Expanded)
- VI. **Analysis and design of an underactuated compliant five-bar mechanism**
TANIK E.
MECHANISM AND MACHINE THEORY, vol.102, pp.123-134, 2016 (SCI-Expanded)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **A novel design method for underactuated variable oscillation mechanisms**
TANIK E., SÖYLEMEZ E.
JOURNAL OF ADVANCED MECHANICAL DESIGN SYSTEMS AND MANUFACTURING, vol.9, no.1, 2015 (SCI-Expanded)
- XII. **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)
- XIII. **Single piece compliant spatial slider-crank mechanism**
PARLAKTAŞ V., TANIK E.
MECHANISM AND MACHINE THEORY, vol.81, pp.1-10, 2014 (SCI-Expanded)
- XIV. **Compliant Cardan Universal Joint**
TANIK E., PARLAKTAŞ V.
JOURNAL OF MECHANICAL DESIGN, vol.134, no.2, 2012 (SCI-Expanded)
- XV. **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)
- XVI. **Transmission angle in compliant slider-crank mechanism**
Tanik E.
MECHANISM AND MACHINE THEORY, vol.46, no.11, pp.1623-1632, 2011 (SCI-Expanded)
- XVII. **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)
- XVIII. **Analysis and design of a compliant variable stroke mechanism**
TANIK E., SÖYLEMEZ E.
MECHANISM AND MACHINE THEORY, vol.45, no.10, pp.1385-1394, 2010 (SCI-Expanded)

XIX. On the synthesis of a geared four-bar mechanism

PARLAKTAŞ V., SÖYLEMEZ E., TANIK E.

MECHANISM AND MACHINE THEORY, vol.45, no.8, pp.1142-1152, 2010 (SCI-Expanded)

Supported Projects

TANIK E., Project Supported by Higher Education Institutions, Bir Esnek Silecek Mekanizması, 2014 - 2016

Metrics

Publication: 19

Citation (WoS): 147

Citation (Scopus): 110

H-Index (WoS): 9

H-Index (Scopus): 7

Non Academic Experience

ODTÜ