Prof. MUSTAFA ÖZDEMİR

Personal Information

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International Researcher IDs
ScholarID: nh2ngFUAAAAJ
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Publons / Web Of Science ResearcherID: P-4557-2015
ScopusID: 56536084400
Yoksis Researcher ID: 164019

Biography

Prof. Dr. Mustafa ÖZDEMİR was born in 1983 in Çorlu, Tekirdağ, Türkiye. Upon graduating from Ankara Science High School in 2001, he received his B.S., M.S. and Ph.D. degrees, all in Mechanical Engineering, from Middle East Technical University (METU) in 2005, 2008 and 2013, respectively. Between 2005 and 2015 he worked as Research Assistant and Instructor in the METU Mechanical Engineering Department. He completed his military service in October 2014 as Reserve Officer with the rank of Artillery Second Lieutenant. He joined the Department of Mechanical Engineering in the Faculty of Engineering at Marmara University as Assistant Professor on 11 June 2015. After being awarded the title of Associate Professor in the field of Mechanical Engineering by the Inter-University Council of Türkiye (ÜAK) on 16 October 2017, he was appointed in the same department as tenured Associate Professor on 08 August 2018 and as Full Professor on 06 March 2024. Prof. Dr. Mustafa ÖZDEMİR is still working as the Head of Machine Theory, System Dynamics and Control Division in this department.

Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Makine Mühendisliği (Dr), Turkey 2008 - 2013
Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Makine Mühendisliği (Yl) (Tezli), Turkey 2005 - 2008
Undergraduate, Middle East Technical University, Faculty Of Engineering, Makine Mühendisliği Bölümü, Turkey 2001 - 2005

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Analysis of Whiplash during rear crash and development of an anti-whiplash seat mechanism, Orta Doğu

Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), 2013
Postgraduate, Inverse dynamics control of parallel manipulators around singular configurations, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Yl) (Tezli), 2008

Research Areas

Mechanical Engineering, Machine Theory and Dynamics, System Dynamics and Control, Mechanisms, Vehicle Systems Dynamics, Robotics, Mechanical Vibrations, Engineering and Technology

Academic Titles / Tasks

Professor, Marmara University, Faculty Of Engineering, Mechanical Engineering, 2024 - Continues
Associate Professor, Marmara University, Faculty Of Engineering, Mechanical Engineering, 2017 - 2024
Assistant Professor, Marmara University, Faculty of Engineering, Mechanical Engineering, 2015 - 2017
Lecturer PhD, Middle East Technical University, Faculty Of Engineering, Department Of Mechanical Engineering, 2013 - 2015
Lecturer, Middle East Technical University, Faculty Of Engineering, Department Of Mechanical Engineering, 2012 - 2013
Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Mechanical Engineering, 2005 - 2012

Academic and Administrative Experience

Head of Department, Marmara University, Faculty Of Engineering, Mechanical Engineering, 2024 - Continues

Courses

Engineering Project II, Undergraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Engineering Project I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Makine Elemanları ve Tasarım Ömürleri, Postgraduate, 2023 - 2024
Advanced Vibrations, Postgraduate, 2023 - 2024, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Mechanical Vibrations, Undergraduate, 2022 - 2023, 2021 - 2022
Numerical Methods for Engineers, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018
Mezuniyet Projesi, Postgraduate, 2023 - 2024
Numerical Methods, Undergraduate, 2022 - 2023
Computer-Aided Design Techniques, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Machine Design Project, Undergraduate, 2022 - 2023, 2019 - 2020, 2018 - 2019, 2017 - 2018
Machine Design II, Undergraduate, 2022 - 2023, 2019 - 2020, 2017 - 2018
Mechanisms, Undergraduate, 2023 - 2024, 2022 - 2023, 2016 - 2017
Introduction to Finite Element Analysis, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Computer Aided Product Design, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Engineering Project II, Undergraduate, 2021 - 2022, 2015 - 2016
Engineering Project I, Undergraduate, 2021 - 2022, 2015 - 2016
Finite Element Method, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
Experimental Methods in Mechanical Engineering, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Machine Design I, Undergraduate, 2019 - 2020, 2018 - 2019

Computational Methods in Mechanical Engineering, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Nonlinear Dynamic Systems, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Mechanics of Materials, Undergraduate, 2018 - 2019
Calculus II, Undergraduate, 2017 - 2018, 2015 - 2016
Automotive Engineering, Undergraduate, 2016 - 2017, 2015 - 2016
Mathematical Modeling in Mechanical Engineering, Undergraduate, 2016 - 2017
Experimental Methods in Mechanical Engineering, Undergraduate, 2017 - 2018, 2016 - 2017
Computational Methods in Mechanical Engineering, Undergraduate, 2015 - 2016
Calculus I, Undergraduate, 2015 - 2016

Advising Theses

Özdemir M., Design and Motion Planning of Planar (3+1)-degree-of-freedom Kinematically Redundant RPR-RPRR Parallel Robots for Optimal Elimination of Actuation Singularities, Postgraduate, M.YASİR(Student), Continues
Özdemir M., A Study on Singularities of Parallel Robots with Closed Kinematic Chain Legs, Postgraduate, D.ALACA(Student), Continues
Özdemir M., Singularities of a Two-Legged Three-Degree-of-Freedom Planar Parallel Robot Whose Legs Consist of Kinematic Chains that are Different from Each Other, Postgraduate, H.EREN(Student), Continues
Özdemir M., STRENGTH OF ACTUATION SINGULARITIES OF CORANK 2 IN PLANAR 3-PRR PARALLEL ROBOTS, Postgraduate, E.GÜN(Student), 2023
Özdemir M., OPTIMAL PLANNING OF PIECEWISE QUINTIC POLYNOMIAL TRAJECTORIES FOR PARALLEL ROBOTS TO PASS THROUGH SINGULARITIES, Postgraduate, C.BURAK(Student), 2023
Özdemir M., Path curve design for cancellation of singularities of two-degree-of-freedom planar parallel robots, Postgraduate, S.YALÇIN(Student), 2023
Özdemir M., Position-level forward kinematic singularities of RPRPR planar parallel robots, Postgraduate, L.KARAKAYA(Student), 2023
Özdemir M., An analysis of the effects of battery location in electric automobiles on ride comfort considering spring and damper nonlinearities of suspension system, Postgraduate, E.OSMAN(Student), 2022
Özdemir M., Balancing of 3-RPR planar parallel robots passing through singular configurations, Postgraduate, C.SÜÜLKER(Student), 2018

Jury Memberships

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, October, 2021
Post Graduate, Post Graduate, İstanbul Üniversitesi, June, 2018

Published journal articles indexed by SCI, SSCI, and AHCI

I. **PATH AND TRAJECTORY PLANNING OF A RPRPR PLANAR PARALLEL ROBOT FOR PREVENTION OF HIGH-ORDER SINGULARITIES**
Özdemir M., Karakaya L.
Proceedings of the Romanian Academy Series A - Mathematics Physics Technical Sciences Information Science, vol.25, no.1, pp.65-74, 2024 (SCI-Expanded)
II. **Determination of optimal battery locations for ride comfort in electric automobiles using a nonlinear half-vehicle suspension model**
Özdemir M., Erdoğan E. O.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.39, no.1, pp.339-350,

2024 (SCI-Expanded)

III. **Integrated Force/Motion Trajectory Design of Parallel Robots for Singularity Robustness during Contact Tasks**
ÖZDEMİR M., Ider S. K.
ACTA POLYTECHNICA HUNGARICA, vol.20, no.2, pp.41-61, 2023 (SCI-Expanded)

IV. **HYPERSINGULARITIES OF 3-RRR PLANAR PARALLEL ROBOTS**
ÖZDEMİR M.
PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, vol.22, no.4, pp.353-360, 2021 (SCI-Expanded)

V. **Desingularization of Flexible-Joint Parallel Robots**
ÖZDEMİR M., İDER S. K.
ACTA POLYTECHNICA HUNGARICA, vol.18, no.6, pp.85-106, 2021 (SCI-Expanded)

VI. **High-order singularities of 5R planar parallel robots**
ÖZDEMİR M.
ROBOTICA, vol.37, no.2, pp.233-245, 2019 (SCI-Expanded)

VII. **Singularity analysis of two-legged planar parallel robots with three degrees of freedom**
ÖZDEMİR M.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.232, no.4, pp.657-664, 2018 (SCI-Expanded)

VIII. **Dynamic analysis of planar parallel robots considering singularities and different payloads**
ÖZDEMİR M.
ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING, vol.46, pp.114-121, 2017 (SCI-Expanded)

IX. **Optimization in motion planning for parallel robots passing through singular positions**
ÖZDEMİR M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.4, pp.1089-1096, 2017 (SCI-Expanded)

X. **Removal of singularities in the inverse dynamics of parallel robots**
ÖZDEMİR M.
MECHANISM AND MACHINE THEORY, vol.107, pp.71-86, 2017 (SCI-Expanded)

XI. **Singularity robust balancing of parallel manipulators following inconsistent trajectories**
Ozdemir M.
ROBOTICA, vol.34, no.9, pp.2027-2038, 2016 (SCI-Expanded)

XII. **Singularity-consistent payload locations for parallel manipulators**
ÖZDEMİR M.
MECHANISM AND MACHINE THEORY, vol.97, pp.171-189, 2016 (SCI-Expanded)

XIII. **Experimental and numerical investigation of comparability of whiplash sled test results**
ÖZDEMİR M., İDER S. K., GÖKLER M. İ.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.38, no.2, pp.395-402, 2016 (SCI-Expanded)

XIV. **A switching inverse dynamics controller for parallel manipulators around drive singular configurations**
Ozdemir M., Ider S. K.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.5, pp.4267-4283, 2016 (SCI-Expanded)

XV. **Parametric analysis of an anti-whiplash system composed of a seat suspension arrangement**
Ozdemir M., Ider S. K., GÖKLER M. İ.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.37, no.2, pp.777-784, 2015 (SCI-Expanded)

XVI. **In vitro investigation and biomechanical modeling of the effects of PLF-68 on osteoarthritis in a three-dimensional model**
Kavas A., Ozdemir M., GÜRSES S., KESKİN D., TEZCANER A.

BIOMECHANICS AND MODELING IN MECHANOBIOLOGY, vol.10, no.5, pp.641-650, 2011 (SCI-Expanded)

Articles Published in Other Journals

I. **A STUDY ON MOTION PLANNING OF FOUR-BAR MECHANISMS IN THE PRESENCE OF SINGULARITIES**
Özdemir M.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.18, no.53, pp.192-204, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Elimination of actuation singularities of kinematically redundant RPR-RPRR planar parallel robots**
ÖZDEMİR M., ÇUBUK M. Y.
9th International IFS and Contemporary Mathematics and Engineering Conference (IFSCOM-E 2023), Mersin, Turkey, 8 - 11 July 2023, pp.170-177

II. **Corank 2 singularities of planar 3-PRR parallel robots**
ÖZDEMİR M., GÜN E.
3rd International Symposium of Scientific Research and Innovative Studies (ISSRIS'23), Turkey, 15 - 18 March 2023, pp.306-314

III. **Formulation of a 7-DOF half-car model with nonlinear springs and dampers for ride comfort analysis of in-wheel-motor electric vehicles**
ÖZDEMİR M., ERDOĞAN E. O.
6th International Conference on Computational Mathematics and Engineering Sciences (CMES-2022), Ordu, Turkey, 20 - 22 May 2022, pp.83-92

IV. **Planning of piecewise quintic polynomial trajectories for parallel robots to pass through singularities**
ÖZDEMİR M., ÜNSAL C. B.
10th International Conference on Advanced Technologies (ICAT'22), Van, Turkey, 25 - 27 November 2022, pp.360-364

V. **Analysis of position-level forward kinematic singularities of planar RPRPR parallel robots**
ÖZDEMİR M., KARAKAYA L.
6th International Conference on Engineering Technologies (ICENTE'22), Konya, Turkey, 17 - 19 November 2022, pp.331-334

VI. **Cancellation of singularities of RRRRP planar parallel robots**
ÖZDEMİR M., ÖNAL S. Y.
The 19th International Conference on Machine Design and Production (UMTIK 2022), Nevşehir, Turkey, 31 August - 03 September 2022, pp.497-509

VII. **Counterweight balancing of a 3-RPR planar parallel robot for passing through a singularity**
Özdemir M., Süülker C.
9th International Automotive Technologies Congress (OTEKON 2018), Bursa, Turkey, 7 - 08 May 2018, pp.1060-1067

VIII. **Trajectory planning of planar three-degree-of-freedom 2-RRR parallel manipulators for passing through singular configurations in the presence of unknown payloads**
Özdemir M.
17th International Conference on Machine Design and Production (UMTIK 2016), Bursa, Turkey, 12 - 15 July 2016, pp.89

IX. **Spring balancing of a five-bar parallel manipulator in the presence of singularities**
Özdemir M.
2nd International Conference on Advances in Mechanical Engineering (ICAME2016), İstanbul, Turkey, 10 - 13 May

2016, pp.354-357

X. **Comparison of the whiplash assessment procedures: A review paper**
Özdemir M., İder S. K., Gökler M. İ.
8. Mühendislik ve Teknoloji Sempozyumu, Ankara, Turkey, 14 - 15 May 2015, pp.77-81

XI. **Combinational effects of BMP9, Raloxifene and Pluronic F-68 on OA-like chondrocytes**
Kavas A., Özdemir M., Erdemli Ö., Gürses S., Keskin D., Tezcaner A.
3rd TERMIS World Congress 2012 - Journal of Tissue Engineering and Regenerative Medicine, Vienna, Austria, 5 - 08 September 2012, vol.6, pp.73

XII. **Classification of anti-whiplash systems: A patent survey**
Özdemir M., İder S. K., Gökler M. İ., Dicle H., Anık E., İnce M. S.
6. Otomotiv Teknolojileri Kongresi (OTEKON 2012), Bursa, Turkey, 4 - 05 June 2012, pp.77-78

XIII. **Finite element analysis of effect of backset distance on whiplash syndrome using BioRID II and simplified seat models**
Özdemir M., İder S. K., Gökler M. İ., Dicle H., Anık E., İnce M. S.
6. Otomotiv Teknolojileri Kongresi (OTEKON 2012), Bursa, Turkey, 4 - 05 June 2012, pp.79-80

XIV. **"BioRID II" ve basitleştirilmiş koltuk modelleri ile "whiplash" analizi**
Özdemir M., İder S. K., Gökler M. İ., Dicle H., Anık E., İnce M. S.
5. Otomotiv Teknolojileri Kongresi (OTEKON 2010), Bursa, Turkey, 7 - 08 June 2010, pp.313-320

XV. **Investigation of effect of PLF-68 on osteoarthritic chondrocytes embedded in agarose and Kelvin model development for further analysis**
Kavas A., Özdemir M., Gürses S., Keskin D., Tezcaner A.
International Symposium on Biotechnology: Developments and Trends (BIOTECH METU 2009), Ankara, Turkey, 27 - 30 September 2009, pp.102

XVI. **A computer program for drawing the cubic of stationary curvature of a given four-bar mechanism**
Özdemir M., Söylemez E.
14. Ulusal Makina Teorisi Sempozyumu (UMTS 2009), Güzelyurt, Cyprus (Kktc), 2 - 04 July 2009, pp.443-448

Supported Projects

Gökler M. İ., Özdemir M., Project Supported by Other Private Institutions, Yenilikçi Bir Çarpma Traversi Geliştirmeye Yönelik AR-GE Projesi, 2014 - 2015
İder S. K., Gökler M. İ., Özdemir M., Project Supported by Other Private Institutions, Anti-whiplash mekanizmasının detay tasarımı ve testleri, 2009 - 2010
İder S. K., Gökler M. İ., Özdemir M., Project Supported by Other Private Institutions, Anti-whiplash mekanizmasının tasarımı, 2008 - 2009

Patent

Özdemir M., İder S. K., Anık E., Gökler M. İ., Dicle H. H., İnce M. S., Beyhan İ., Boyun incinmelerini önleyici bir araç koltuk mekanizması, Patent, CHAPTER B Implementation of Operations; Transport, The Invention Registration Number: 2011 12297 , Standard Registration, 2018

Student Project

Other, Design of a bus suspension, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey, 2022 - 2023
Other, Design of a truck cab suspension system, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey, 2022 - 2023

Other, Design of a six-link steering mechanism for automotive vehicles, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey, 2022 - 2023
Other, Computer aided mechanical design of shafts, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey, 2021 - 2022
Other, A computer program for design of spur gears, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey, 2020 - 2021
Other, A computer program for design of journal bearings, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey, 2020 - 2021
Other, Design of an automobile suspension system based on the 7-DOF full car model, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey, 2019 - 2020
Other, Optimal design of a steering linkage for automobiles, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey, 2019 - 2020
Other, Design and optimization of an active suspension system, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey, 2018 - 2019
Other, Design of an Ackermann steering mechanism, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey, 2017 - 2018
Other, Crash safety design of automobiles, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey, 2016 - 2017
Other, Design of an automobile suspension: A methodological improvement, Marmara University, Faculty of Engineering, Mechanical Engineering, Turkey, 2015 - 2016

Activities in Scientific Journals

International journal of advances in engineering and pure sciences (Online), Committee Member, 2020 - Continues

Scientific Refereeing

ADVANCED ROBOTICS, Journal Indexed in SCI-E, September 2023
International Journal of Automotive Science and Technology, Other Indexed Journal, September 2023
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, June 2022
SADHANA - ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, Journal Indexed in SCI-E, May 2022
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, April 2022
SADHANA - ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, Journal Indexed in SCI-E, March 2022
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, March 2022
International journal of advances in engineering and pure sciences (Online), National Scientific Refreed Journal, October 2021
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, September 2021
NONLINEAR DYNAMICS, Journal Indexed in SCI-E, July 2021
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, Journal Indexed in SCI-E, July 2021
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, June 2021
NONLINEAR DYNAMICS, Journal Indexed in SCI-E, June 2021
EUROPEAN JOURNAL OF PHYSICS, Journal Indexed in SCI-E, June 2021
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, May 2021
NONLINEAR DYNAMICS, Journal Indexed in SCI-E, May 2021
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, May

2021
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, March 2021
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, March 2021
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, February 2021
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, December 2020
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, November 2020
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, September 2020
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, July 2020
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, March 2020
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, February 2020
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, Journal Indexed in SCI-E, December 2019
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, June 2019
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, May 2019
ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, Journal Indexed in SCI-E, May 2019
ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, Journal Indexed in SCI-E, April 2019
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, April 2019
MATHEMATICAL PROBLEMS IN ENGINEERING, Other Indexed Journal, December 2018
ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, Journal Indexed in SCI-E, December 2018
MATHEMATICAL PROBLEMS IN ENGINEERING, Other Indexed Journal, November 2018
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS. PART I: JOURNAL OF SYSTEMS AND CONTROL ENGINEERING, Journal Indexed in SCI-E, November 2018
ROBOTICA, Journal Indexed in SCI-E, October 2018
EUROPEAN JOURNAL OF PHYSICS, Journal Indexed in SCI-E, September 2018
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, September 2018
Project Supported by Higher Education Institutions, BAP Research Project, Yildiz Technical University, Turkey, September 2018
ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, Journal Indexed in SCI-E, August 2018
ROBOTICA, Journal Indexed in SCI-E, August 2018
MATHEMATICAL PROBLEMS IN ENGINEERING, Other Indexed Journal, July 2018
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, July 2018
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, May 2018
ROBOTICA, Journal Indexed in SCI-E, May 2018
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, April 2018
ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, Journal Indexed in SCI-E, April 2018
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, Journal Indexed in SCI-E, February 2018
MEASUREMENT: JOURNAL OF THE INTERNATIONAL MEASUREMENT CONFEDERATION, Journal Indexed in SCI-E, January 2018
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, December 2017
MECHANISM AND MACHINE THEORY, Journal Indexed in SCI-E, December 2017
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, October 2017
MEASUREMENT: JOURNAL OF THE INTERNATIONAL MEASUREMENT CONFEDERATION, Journal Indexed in SCI-E, August 2017
ROBOTICA, Journal Indexed in SCI-E, August 2017
ADVANCED ROBOTICS, Journal Indexed in SCI-E, June 2017
ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, Journal Indexed in SCI-E, May 2017
18. Ulusal Makina Teorisi Sempozyumu (UMTS 2017), Conference Paper (Full Text), March 2017

18. Ulusal Makina Teorisi Sempozyumu (UMTS 2017), Conference Paper (Full Text), March 2017
APPLIED MATHEMATICAL MODELLING, Journal Indexed in SCI-E, March 2017
ADVANCED ROBOTICS, Journal Indexed in SCI-E, March 2017
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS. PART I: JOURNAL OF SYSTEMS AND CONTROL ENGINEERING, Journal Indexed in SCI-E, December 2016
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS. PART I: JOURNAL OF SYSTEMS AND CONTROL ENGINEERING, Journal Indexed in SCI-E, November 2016
ROBOTICA, Journal Indexed in SCI-E, May 2016
The 17th International Conference On Machine Design And Production (UMTIK 2016), Conference Paper (Full Text), April 2016
The 17th International Conference On Machine Design And Production (UMTIK 2016), Conference Paper (Full Text), April 2016
CANKAYA UNIVERSITY JOURNAL OF SCIENCE AND ENGINEERING, Other Indexed Journal, March 2016
ADVANCED ROBOTICS, Journal Indexed in SCI-E, January 2016
ROBOTICA, Journal Indexed in SCI-E, January 2016
CANKAYA UNIVERSITY JOURNAL OF SCIENCE AND ENGINEERING, Other Indexed Journal, October 2015
ADVANCED ROBOTICS, Journal Indexed in SCI-E, September 2015
ADVANCED ROBOTICS, Journal Indexed in SCI-E, September 2015
ROBOTICA, Journal Indexed in SCI-E, March 2015
ROBOTICA, Journal Indexed in SCI-E, February 2015
ADVANCED ROBOTICS, Journal Indexed in SCI-E, December 2014
ROBOTICA, Journal Indexed in SCI-E, December 2014
ROBOTICA, Journal Indexed in SCI-E, November 2014
ROBOTICA, Journal Indexed in SCI-E, May 2014
IEEE TRANSACTIONS ON ROBOTICS, Journal Indexed in SCI-E, January 2014

Metrics

Publication: 33
Citation (WoS): 59
Citation (Scopus): 70
H-Index (WoS): 5
H-Index (Scopus): 5

Scholarships

TÜBİTAK Yurt İçi Doktora Bursu, TUBITAK, 2008 - 2013
TÜBİTAK Yurt İçi Yüksek Lisans Bursu, TUBITAK, 2006 - 2007

Awards

Özdemir M., “High-order singularities of 5R planar parallel robots” başlıklı makale ile TÜBİTAK Türkiye Adresli Uluslararası Bilimsel Yayınları Teşvik (UBYT) Programı kapsamında teşvik, Tübitak, September 2019
Özdemir M., Otomotiv Tez Ödülleri, Iaec'18 Uluslararası Otomotiv Mühendisliği Konferansı, November 2018
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Non Academic Experience

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