

Serdar Kucuk

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

671
citations

687363

13
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

549
citing authors

#	ARTICLE	IF	CITATIONS
1	A universal self-eroding sacrificial bioink that enables bioprinting at room temperature. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1634-1647.	3.2	13
2	Additive manufacturing and biomechanical validation of a patient-specific diabetic insole. <i>Polymers for Advanced Technologies</i> , 2020, 31, 988-996.	3.2	13
3	Design and Dynamic Model of A Novel Powered Above Knee Prosthesis. , 2019, , .		3
4	Dexterous Workspace Optimization for a New Hybrid Parallel Robot Manipulator. <i>Journal of Mechanisms and Robotics</i> , 2018, 10, .	2.2	34
5	A method for more accurate FEA results on a medical device developed by 3D technologies. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2281-2286.	3.2	23
6	Optimal trajectory generation algorithm for serial and parallel manipulators. <i>Robotics and Computer-Integrated Manufacturing</i> , 2017, 48, 219-232.	9.9	80
7	Trajectory planning of electronically controlled prosthesis by using third-order polynomial. , 2017, , .		1
8	Development of derivation of inverse Jacobian matrices for 195 6-DOF GSP mechanisms. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2016, 24, 4142-4153.	1.4	8
9	Inverse kinematics solution of a new hybrid robot manipulator proposed for medical purposes. , 2016, , .		17
10	Maximal dexterous trajectory generation and cubic spline optimization for fully planar parallel manipulators. <i>Computers and Electrical Engineering</i> , 2016, 56, 634-647.	4.8	32
11	Parallel manipulator software tool for design, analysis, and simulation of 195 GSP mechanisms. <i>Computer Applications in Engineering Education</i> , 2015, 23, 931-946.	3.4	5
12	Inverse kinematics solutions for industrial robot manipulators with offset wrists. <i>Applied Mathematical Modelling</i> , 2014, 38, 1983-1999.	4.2	100
13	Dimensional optimization of 6-DOF 3-CCC type asymmetric parallel manipulator. <i>Advanced Robotics</i> , 2014, 28, 625-637.	1.8	26
14	Dexterous workspace optimization of an asymmetric six-degree of freedom Stewart-Gough platform type manipulator. <i>Robotics and Autonomous Systems</i> , 2013, 61, 1516-1528.	5.1	40
15	Energy minimization for 3-RRR fully planar parallel manipulator using particle swarm optimization. <i>Mechanism and Machine Theory</i> , 2013, 62, 129-149.	4.5	82
16	A novel kinematic design, analysis and simulation tool for general Stewart platforms. <i>Simulation</i> , 2013, 89, 876-897.	1.8	27
17	Simulation and design tool for performance analysis of planar parallel manipulators. <i>Simulation</i> , 2012, 88, 542-556.	1.8	24
18	A dexterity comparison for 3-DOF planar parallel manipulators with two kinematic chains using genetic algorithms. <i>Mechatronics</i> , 2009, 19, 868-877.	3.3	41

#	ARTICLE	IF	CITATIONS
19	Effects of Kinematics Design on Tracking Performance of Model-Based Adaptive Control. , 2007, , 655-663.		0
20	Comparative study of performance indices for fundamental robot manipulators. Robotics and Autonomous Systems, 2006, 54, 567-573.	5.1	102
21	6 Serbestlik Derecesine Sahip 3-CCC Tipi Robot Ğin Ğki TasarĞm Ğnerisi ve ĞtalĞma UzayĞ KarĞlaĞtĞrmasĞ. Journal of Polytechnic, 0, , .	0.7	0