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A Study on Five-Bar Manipulators for Semiconductor Packaging Applications <i>Shibo Sun, Jacob W.F. Cheung, Yunjiang Lou</i>	1811
Over-actuated Parallel Manipulator Fault Tolerant Control Based On Minimum Difference Oriented Smooth Transition Method <i>Caixia Yan, Guangping He</i>	1817
Stiffness Characteristics and Kinematics Analysis of Parallel 3-DOF Mechanism with Flexible Joints <i>Tieshi Zhao, Yanzhi Zhao, Liju Shi, Jiansheng Dai</i>	1822
On Singularity of a Planar Parallel Manipulator with and without Actuation Redundancy <i>Xin Liu, Yuanying Qiu, Ying Sheng</i>	1828
A Case Study of Planar 3-RPR Parallel Robot Singularity Free Workspace Design <i>Yawei Yang, John F. O'Brien</i>	1834

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Tracking Control of Underactuated Surface Ships: Using Unscented Kalman Filter to Estimate the Uncertain Parameters <i>Yan Peng, Jianda Han, Qi Song</i>	1884
Rudder/Flap Joint Intelligent Control for Ship Course System <i>Sheng Liu, Liang Fang, Jialai Li</i>	1890
Preliminary Study on Adaptive Control Modeling of a Manure Spreader for Precision Agriculture <i>Zidong Yang</i>	1896
Research on the Intelligence Control of the Laser Welding Manufacturing System Using Multi-Agent <i>Shiyi Gao, Mingyang Zhao, Lei Zhang, Yuanyuan Zou</i>	1902

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Efficient Walking With Torso Using Natural Dynamics <i>Yuji Otoda, Hiroshi Kimura</i>	1914
Jumping Mechanism Imitating Vertebrate by the Mechanical Function of Bi-articular Muscle <i>Toru Oshima, Noboru Momose, Ken'ichi Koyanagi, Takayuki Matsuno, Tomohiko Fujikawa</i>	1920
Control System of a Modular and Reconfigurable Multilegged Robot <i>Xuedong Chen, Huayan Pu, Xinjie Wang, Yi Sun, Wenchuan Jia</i>	1926
Forward Kinematics Analysis and 3-Dimensional Gait Simulation of a MiniQuad Walking Robot <i>Xinjie Wang, Xuedong Chen, Wenchuan Jia, Yi Sun, Huayan Pu</i>	1932
Research on a Six-Legged Robot with Omnidirectional Steering Mechanism <i>Ying Cui, Feng Gao</i>	1938

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Geometric Approach to Fault Detection and Isolation in Multivariate Dynamical Systems <i>Nasser Rahimi, Morteza H. Sadeghi, Mohammad J. Mahjoob</i>	1944
Synthesis of Discrete Nonlinear Passive Systems via Affine T-S Fuzzy Models with Input Energy Constraints <i>Wen-Jer Chang, Chien-Hsun Huang, Cheung-Chieh Ku</i>	1950
Performance Comparison of Two Filtering Approaches for INS Rapid Transfer Alignment <i>Wei Gao, Yueyang Ben, Feng Sun, Bo Xu</i>	1956
A New Frequency Weighted Model Reduction Technique and Error Bounds <i>Abdul Ghafoor, Shafishuhaza Sahlan, Victor Sreeram</i>	1962
Analysis and Anti-Windup Design for Time-Delay Systems Subject to Input Saturation <i>Yong-Yan Cao, Zhaohui Wang, Jinshan Tang</i>	1968
On the Existence and Design of Functional Observers for Linear Systems <i>Hieu Minh Trinh, Tyrone Lucius Fernando</i>	1974

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Multisensor Fusion and Integration: Algorithms, Applications, and Future Research Directions <i>Ren C. Luo, Ying Chih Chou, Ogst Chen</i>	1986
Data Fusion Approach With MMW Radar and IR Sensor Based on MEKF <i>Zhizhuan Peng, Jinfu Feng, Youli Wu, Tao Zhou, Xiaolong Liang</i>	1992
Electro-optical Sensors for Measuring the Motion Parameters of Flying Objects <i>Jinping Ni, Tieling Wang, Yugui Song, Bin Feng</i>	1997

Biomimetic Control of Pan-tilt-zoom Camera Mounted on an Autonomous Helicopter <i>Shaorong Xie, Jun Luo, Pu Xie, Zhenbang Gong, Hairong Zou</i>	2003
A Fast Mosaic Approach for Remote Sensing Images <i>Yuanhang Cheng, Dingyu Xue, Yanping Li</i>	2009

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