

# Dan Zhang

## List of Publications by Year in descending order

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241  
papers

4,208  
citations

109264

35  
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161767

54  
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247  
all docs

247  
docs citations

247  
times ranked

2816  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimum Design and Trafficability Analysis for an Articulated Wheel-Legged Forestry Chassis. Journal of Mechanical Design, Transactions of the ASME, 2022, 144, .	1.7	6
2	An Approach for Modeling and Performance Analysis of Three-Leg Landing Gear Mechanisms Based on the Virtual Equivalent Parallel Mechanism. Mechanism and Machine Theory, 2022, 169, 104617.	2.7	7
3	Generalized Model and Configuration Design of Multiple-Axis Flexure Hinges. Mechanism and Machine Theory, 2022, 169, 104677.	2.7	18
4	Design of a class of generalized parallel mechanisms for adaptive landing and aerial manipulation. Mechanism and Machine Theory, 2022, 170, 104692.	2.7	9
5	Improved Extreme Learning Machine Based UWB Positioning for Mobile Robots with Signal Interference. Machines, 2022, 10, 218.	1.2	8
6	Dynamic performance evaluation of the parallel mechanism for a 3T2R hybrid robot. Mechanism and Machine Theory, 2022, 172, 104794.	2.7	8
7	A method for comprehensive performance optimization of four-leg landing gear based on the virtual equivalent parallel mechanism. Mechanism and Machine Theory, 2022, 174, 104924.	2.7	6
8	A Review of Dynamic Balancing for Robotic Mechanisms. Robotica, 2021, 39, 55-71.	1.3	11
9	Review of hybrid electric powered aircraft, its conceptual design and energy management methodologies. Chinese Journal of Aeronautics, 2021, 34, 432-450.	2.8	92
10	Automatic defect inspection system for beer bottles based on deep residual learning. International Journal of Computational Vision and Robotics, 2021, 11, 299.	0.2	0
11	L-CSMS: novel lightweight network for plant disease severity recognition. Journal of Plant Diseases and Protection, 2021, 128, 557-569.	1.6	19
12	A Three-Fingered Robot Hand Based on the Slider and Rocker Mechanism. , 2021, , .		2
13	Ultrathin Three-Axis FBG Wrist Force Sensor for Collaborative Robots. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	2.4	11
14	GSNet: Group Sequential Learning for Image Recognition. Cognitive Computation, 2021, 13, 538-551.	3.6	0
15	Reconfigurable Generalized Parallel Mechanisms with Kinematotropic Linkages. , 2021, , .		1
16	SVM-Based State Estimation of Biped Robot. , 2021, , .		0
17	Kinematic and Performance Analysis of a Novel Reconfigurable Parallel Mechanism. , 2021, , .		1
18	Design of the Servo Control System Based on EtherCAT P. Journal of Physics: Conference Series, 2021, 1924, 012009.	0.3	2

#	ARTICLE	IF	CITATIONS
19	A Novel Terrain Adaptive Landing Gear Robot. Journal of Physics: Conference Series, 2021, 1924, 012021.	0.3	1
20	Experimental study of event-based neural network control on parallel manipulator. Mechatronics, 2021, 75, 102514.	2.0	6
21	Kinematic and dynamic analysis of a 3-DOF parallel mechanism. International Journal of Mechanics and Materials in Design, 2021, 17, 587-599.	1.7	14
22	Study on Control Strategy for Tilt-rotor Aircraft Conversion Procedure. Journal of Physics: Conference Series, 2021, 1924, 012010.	0.3	4
23	Structure synthesis of reconfigurable generalized parallel mechanisms with configurable platforms. Mechanism and Machine Theory, 2021, 160, 104281.	2.7	21
24	EdgeGAN: One-way mapping generative adversarial network based on the edge information for unpaired training set. Journal of Visual Communication and Image Representation, 2021, 78, 103187.	1.7	1
25	Sequence-tracker: Multiple object tracking with sequence features in severe occlusion scene. Journal of Visual Communication and Image Representation, 2021, 79, 103250.	1.7	1
26	Kinematic calibration of a 3-PRRU parallel manipulator based on the complete, minimal and continuous error model. Robotics and Computer-Integrated Manufacturing, 2021, 71, 102158.	6.1	24
27	AFLN-DGCL: Adaptive Feature Learning Network with Difficulty-Guided Curriculum Learning for skin lesion segmentation. Applied Soft Computing Journal, 2021, 110, 107656.	4.1	23
28	Design and analysis of novel kinematically redundant reconfigurable generalized parallel manipulators. Mechanism and Machine Theory, 2021, 166, 104481.	2.7	20
29	A multi-finger robot system for adaptive landing gear and aerial manipulation. Robotics and Autonomous Systems, 2021, 146, 103878.	3.0	13
30	Model-Free Control of Flexible Manipulator Based on Intrinsic Design. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2641-2652.	3.7	9
31	Trajectory Tracking Control Study of a New Parallel Mechanism with Redundant Actuation. International Journal of Aerospace Engineering, 2020, 2020, 1-14.	0.5	5
32	Design and analysis of a class of redundant collaborative manipulators with 2D large rotational angles. Frontiers of Mechanical Engineering, 2020, 15, 66-80.	2.5	7
33	Evaluation of Topological Properties of Parallel Manipulators Based on the Topological Characteristic Indexes. Robotica, 2020, 38, 1381-1399.	1.3	15
34	Analysis and control for a new reconfigurable parallel mechanism. International Journal of Advanced Robotic Systems, 2020, 17, 172988142093132.	1.3	7
35	Neural Network and Performance Analysis for a Novel Reconfigurable Parallel Manipulator Based on the Spatial Multiloop Overconstrained Mechanism. International Journal of Aerospace Engineering, 2020, 2020, 1-21.	0.5	7
36	Impact of geometry sensitive satellites on the navigation performance of ground-based augmented GPS. International Journal of Space Science and Engineering, 2020, 6, 64.	0.1	0

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37	Smart Sensors and Devices in Artificial Intelligence. <i>Sensors</i> , 2020, 20, 5945.	2.1	6
38	Control System for Vertical Take-Off and Landing Vehicle's Adaptive Landing Based on Multi-Sensor Data Fusion. <i>Sensors</i> , 2020, 20, 4411.	2.1	17
39	An open source engineering practice assistant training system based on virtual reality. , 2020, , .		2
40	A novel class of generalized parallel manipulators with high rotational capability. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 4599-4619.	1.1	4
41	Type synthesis of metamorphic mechanisms with scissor-like linkage based on different kinds of connecting pairs. <i>Mechanism and Machine Theory</i> , 2020, 151, 103848.	2.7	20
42	Design of dexterous hands based on parallel finger structures. <i>Mechanism and Machine Theory</i> , 2020, 152, 103952.	2.7	17
43	Adaptive Fuzzy Sliding Mode Control for a 3-DOF Parallel Manipulator with Parameters Uncertainties. <i>Complexity</i> , 2020, 2020, 1-16.	0.9	7
44	Stiffness modeling of n(3RRIS) reconfigurable series-parallel manipulators by combining virtual joint method and matrix structural analysis. <i>Mechanism and Machine Theory</i> , 2020, 152, 103960.	2.7	17
45	A novel multi-classifier based on a density-dependent quantized binary tree LSSVM and the logistic global whale optimization algorithm. <i>Applied Intelligence</i> , 2020, 50, 3808-3821.	3.3	5
46	A new family of generalized parallel manipulators with configurable moving platforms. <i>Mechanism and Machine Theory</i> , 2020, 153, 103997.	2.7	16
47	Dynamic Modeling and Adaptive Robust Synchronous Control of Parallel Robotic Manipulator for Industrial Application. <i>Complexity</i> , 2020, 2020, 1-23.	0.9	4
48	GP-CNN-DTEL: Global-Part CNN Model With Data-Transformed Ensemble Learning for Skin Lesion Classification. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 2870-2882.	3.9	81
49	RNTR-Net: A Robust Natural Text Recognition Network. <i>IEEE Access</i> , 2020, 8, 7719-7730.	2.6	5
50	Path planning for active SLAM based on deep reinforcement learning under unknown environments. <i>Intelligent Service Robotics</i> , 2020, 13, 263-272.	1.6	52
51	A Review: Robust Locomotion for Biped Humanoid Robots. <i>Journal of Physics: Conference Series</i> , 2020, 1487, 012048.	0.3	6
52	Enumeration and optimum design of a class of translational parallel mechanisms with prismatic and parallelogram joints. <i>Mechanism and Machine Theory</i> , 2020, 150, 103846.	2.7	11
53	Synthesis of 3-[P][S] Parallel Mechanism-Inspired Multimode Dexterous Hands With Parallel Finger Structure. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2020, 142, .	1.7	8
54	Constraint and Mobility Change Analysis of Rubik's Cube-inspired Reconfigurable Joints and Corresponding Parallel Mechanisms. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2020, 33, .	1.9	35

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55	Complete, Minimal and Continuous Kinematic Error Models of Perfect Multi-DOF Joints for Parallel Manipulators. , 2020, , .		1
56	Robust table recognition for printed document images. Mathematical Biosciences and Engineering, 2020, 17, 3203-3223.	1.0	2
57	Kinematic analysis of a fully-decoupled parallel manipulator with pure translations. , 2020, , .		0
58	Vision-based Control Approach for Generalized Planar Parallel Robots. , 2020, , .		0
59	An Enhanced Active Disturbance Rejection Control of PMSM Based on ILC and Parameter Self-tuning. , 2020, , .		1
60	Concept Design of a Reconfigurable Robot for Assembly Lines. , 2020, , .		1
61	Weakly Supervised Biomedical Image Segmentation by Reiterative Learning. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1205-1214.	3.9	39
62	AMC-Net: Asymmetric and multi-scale convolutional neural network for multi-label HPA classification. Computer Methods and Programs in Biomedicine, 2019, 178, 275-287.	2.6	8
63	Efficient skin lesion segmentation using separable-Unet with stochastic weight averaging. Computer Methods and Programs in Biomedicine, 2019, 178, 289-301.	2.6	107
64	Multi-proportion channel ensemble model for retinal vessel segmentation. Computers in Biology and Medicine, 2019, 111, 103352.	3.9	26
65	Kinematic Performance Analysis of a Novel Redundantly Actuated Parallel Mechanism. , 2019, , .		1
66	Type synthesis and application of a class of single DOF parallel mechanisms with one constraint couple. , 2019, , .		0
67	A Human-Robot Interaction for a Mecanum Wheeled Mobile Robot with Real-Time 3D Two-Hand Gesture Recognition. Journal of Physics: Conference Series, 2019, 1267, 012056.	0.3	6
68	Automatic Basketball Detection in Sport Video Based on R-FCN and Soft-NMS. , 2019, , .		10
69	In-line inspection solution for codes on complex backgrounds for the plastic container industry. Measurement: Journal of the International Measurement Confederation, 2019, 148, 106965.	2.5	25
70	Design of a class of generalized parallel mechanisms with large rotational angles and integrated end-effectors. Mechanism and Machine Theory, 2019, 134, 117-134.	2.7	24
71	Enhance Transparency of Force Feedback Interaction Series Mechanism by SMC Strategy. International Journal of Control, Automation and Systems, 2019, 17, 1738-1750.	1.6	8
72	Generalized Mobility and Decoupling Conditions of Closed-Loop Mechanism. Mechanisms and Machine Science, 2019, , 627-637.	0.3	0

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73	Forward Kinematics and Workspace Determination of a Novel Redundantly Actuated Parallel Manipulator. International Journal of Aerospace Engineering, 2019, 2019, 1-14.	0.5	13
74	A New Mathematical Method to Study the Singularity of 3-RSR Multimode Mobile Parallel Mechanism. Mathematical Problems in Engineering, 2019, 2019, 1-11.	0.6	6
75	Typical configuration analysis of a modular reconfigurable cable-driven parallel robot. International Journal of Advanced Robotic Systems, 2019, 16, 172988141983475.	1.3	4
76	Design and DOF Analysis of a Novel Compliant Parallel Mechanism for Large Load. Sensors, 2019, 19, 828.	2.1	11
77	Novel Design of a 3-RRUU 6-DOF Parallel Manipulator. IOP Conference Series: Materials Science and Engineering, 2019, 491, 012006.	0.3	2
78	A Real-time Moving Target Following Mobile Robot System with Depth Camera. IOP Conference Series: Materials Science and Engineering, 2019, 491, 012004.	0.3	0
79	PD2SE-Net: Computer-assisted plant disease diagnosis and severity estimation network. Computers and Electronics in Agriculture, 2019, 157, 518-529.	3.7	146
80	Real-time comprehensive glass container inspection system based on deep learning framework. Electronics Letters, 2019, 55, 131-132.	0.5	8
81	Polar Image Classification Based on Polarimetric Scattering Coding and Sparse Support Matrix Machine. , 2019, , .		1
82	Walking Human Detection Using Stereo Camera Based on Feature Classification Algorithm of Second Re-projection Error. Frontiers in Neurorobotics, 2019, 13, 105.	1.6	1
83	Novel decoupling algorithm based on parallel voltage extreme learning machine (PV-ELM) for six-axis F/M sensors. Robotics and Computer-Integrated Manufacturing, 2019, 57, 303-314.	6.1	13
84	Polarimetric Convolutional Network for PolSAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3040-3054.	2.7	79
85	A Novel Semicoupled Projective Dictionary Pair Learning Method for PolSAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2407-2418.	2.7	9
86	Design, modeling, and analysis of hybrid flexure hinges. Mechanism and Machine Theory, 2019, 131, 300-316.	2.7	45
87	ENERGY OPTIMAL ADAPTION AND MOTION PLANNING OF A 3-RRS BALANCED MANIPULATOR. International Journal of Robotics and Automation, 2019, 34, .	0.1	2
88	STRUCTURAL SYNTHESIS OF A CLASS OF RECONFIGURABLE PARALLEL MANIPULATORS BASED ON OVER-CONSTRAINED MECHANISMS. International Journal of Robotics and Automation, 2019, 34, .	0.1	1
89	Angle aided circle detection based on randomized Hough transform and its application in welding spots detection. Mathematical Biosciences and Engineering, 2019, 16, 1244-1257.	1.0	18
90	Novel Design of a 3T2R 5-DOF Parallel Manipulator. , 2019, , .		0

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91	Deep Multiple Instance Learning-Based Spatialâ€“Spectral Classification for PAN and MS Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 461-473.	2.7	62
92	Kinematic analysis and multi-objective optimization of a new reconfigurable parallel mechanism with high stiffness. Robotica, 2018, 36, 187-203.	1.3	36
93	Calibration and decoupling of multi-axis robotic Force/Moment sensors. Robotics and Computer-Integrated Manufacturing, 2018, 49, 301-308.	6.1	26
94	New Graph Representation for Planetary Gear Trains. Journal of Mechanical Design, Transactions of the ASME, 2018, 140, .	1.7	45
95	Design and analysis of a three-dimensional bridge-type mechanism based on the stiffness distribution. Precision Engineering, 2018, 51, 48-58.	1.8	55
96	Synthesising of reactionless flexible mechanisms for space applications. International Journal of Space Science and Engineering, 2018, 5, 1.	0.1	1
97	Design and Optimization of a Novel Three-Dimensional Force Sensor with Parallel Structure. Sensors, 2018, 18, 2416.	2.1	9
98	Hybrid Harvester 3-RPS Robotic Parallel Manipulator. IOP Conference Series: Materials Science and Engineering, 2018, 435, 012066.	0.3	0
99	Multi-Component FBG-Based Force Sensing Systems by Comparison With Other Sensing Technologies: A Review. IEEE Sensors Journal, 2018, 18, 7345-7357.	2.4	47
100	A Novel Model to Simulate Flexural Complements in Compliant Sensor Systems. Sensors, 2018, 18, 1029.	2.1	2
101	Reliability Evaluation and Robust Design of a Sensor in an Entire Roller-Embedded Shapemeter. Sensors, 2018, 18, 1988.	2.1	3
102	Deep Self-Paced Residual Network for Multispectral Images Classification Based on Feature-Level Fusion. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1740-1744.	1.4	7
103	Development and analysis of a bridge-lever-type displacement amplifier based on hybrid flexure hinges. Precision Engineering, 2018, 54, 171-181.	1.8	55
104	KINEMATICS ANALYSIS OF A NOVEL 2R1T PARALLEL MECHANISM. International Journal of Robotics and Automation, 2018, 33, .	0.1	3
105	THE EFFECT ANALYSIS OF INPUT SELECTION ON PERFORMANCES OF 3-PPRR TRANSLATIONAL PARALLEL MECHANISM. International Journal of Robotics and Automation, 2018, 33, .	0.1	1
106	A reconfigurable multi-mode mobile parallel robot. Mechanism and Machine Theory, 2017, 111, 39-65.	2.7	39
107	A review on model reference adaptive control of robotic manipulators. Annual Reviews in Control, 2017, 43, 188-198.	4.4	117
108	Sigma overbound for aircraft landing in presence of day-to-day multipath correlation. Aircraft Engineering and Aerospace Technology, 2017, 89, 280-289.	0.7	1

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109	Kinetostatic modelling of a 3-PRR planar compliant parallel manipulator with flexure pivots. Precision Engineering, 2017, 48, 323-330.	1.8	28
110	Design, analysis and control of a winding hybrid-driven cable parallel manipulator. Robotics and Computer-Integrated Manufacturing, 2017, 48, 196-208.	6.1	60
111	Modelling and optimisation of a 4-DOF hybrid robotic manipulator. International Journal of Computer Integrated Manufacturing, 2017, 30, 1179-1189.	2.9	9
112	Interactions and Optimizations Analysis between Stiffness and Workspace of 3-UPU Robotic Mechanism. Measurement Science Review, 2017, 17, 83-92.	0.6	15
113	Design, analysis and modelling of a hybrid controller for serial robotic manipulators. Robotica, 2017, 35, 1888-1905.	1.3	9
114	Ionospheric delay prediction and code-carrier divergence testing for GBAS using neural network and GPS L1. Aerospace Science and Technology, 2017, 70, 66-75.	2.5	6
115	Reconfigurable 3-PRS Parallel Solar Tracking Stand. , 2017, , .		1
116	Review and Discussion on Model Reference Adaptive Control for Mechanical Mechanisms. , 2017, , .		0
117	Critical Review and Progress of Adaptive Controller Design for Robot Arms. Lecture Notes in Mechanical Engineering, 2017, , 3-12.	0.3	1
118	Stiffness Analysis and Optimization for a Bio-inspired 3-DOF Hybrid Manipulator. Lecture Notes in Mechanical Engineering, 2017, , 341-350.	0.3	1
119	Kinematic Performance Analysis of a Hybrid-Driven Waist Rehabilitation Robot. Lecture Notes in Mechanical Engineering, 2017, , 73-86.	0.3	3
120	A brief review and discussion on learning control of robotic manipulators. , 2017, , .		0
121	The Design and Development of an Omni-Directional Mobile Robot Oriented to an Intelligent Manufacturing System. Sensors, 2017, 17, 2073.	2.1	93
122	On the Development of Learning Control for Robotic Manipulators. Robotics, 2017, 6, 23.	2.1	6
123	Design and Integration for High Performance Robotic Systems Based on Decomposition and Hybridization Approaches. Sensors, 2017, 17, 118.	2.1	2
124	Error Modeling and Experimental Study of a Flexible Joint 6-UPUR Parallel Six-Axis Force Sensor. Sensors, 2017, 17, 2238.	2.1	10
125	Development of a highly efficient bridge-type mechanism based on negative stiffness. Smart Materials and Structures, 2017, 26, 095053.	1.8	26
126	Design of Balanced Mechanisms based on Reconfiguration for Space Applications. IOP Conference Series: Materials Science and Engineering, 2017, 235, 012014.	0.3	0

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127	A Generic Compliance Modeling Method for Two-Axis Elliptical-Arc-Filletted Flexure Hinges. Sensors, 2017, 17, 2154.	2.1	8
128	Reactionless System Design through Decomposition and Integration Concept for Green Manufacturing. , 2017, , .		0
129	DYNAMIC BALANCING OF ROBOTIC MECHANISMS VIA RECONFIGURATION AND INTEGRATION DESIGN. International Journal of Robotics and Automation, 2017, 32, .	0.1	2
130	New Reactionless Spatial Grasper Design and Analysis. Lecture Notes in Mechanical Engineering, 2017, , 257-263.	0.3	0
131	Modelling and Analysis of a Type of Capacitance Based Accelerometer. International Journal of Mechanical Engineering and Robotics Research, 2017, 6, 434-439.	0.7	0
132	Study on Payload Effects on the Joint Motion Accuracy of Serial Mechanical Mechanisms. MATEC Web of Conferences, 2016, 77, 01005.	0.1	0
133	Mathematical Model and Calibration Experiment of a Large Measurement Range Flexible Joints 6-UPUR Six-Axis Force Sensor. Sensors, 2016, 16, 1271.	2.1	31
134	Design and Optimization of a Hybrid-Driven Waist Rehabilitation Robot. Sensors, 2016, 16, 2121.	2.1	28
135	Study on Payload Effects on the Joint Motion Accuracy of Serial Mechanical Mechanisms. Machines, 2016, 4, 21.	1.2	2
136	Study on the Kinematic Performances and Optimization for Three Types of Parallel Manipulators. Machines, 2016, 4, 24.	1.2	1
137	Decoupling Principle Analysis and Development of a Parallel Three-Dimensional Force Sensor. Sensors, 2016, 16, 1506.	2.1	12
138	Methods and Research for Multi-Component Cutting Force Sensing Devices and Approaches in Machining. Sensors, 2016, 16, 1926.	2.1	28
139	Design and Analysis of a Sensor System for Cutting Force Measurement in Machining Processes. Sensors, 2016, 16, 70.	2.1	45
140	Design, kinematic and dynamic modeling of a novel tripod based manipulator. Robotica, 2016, 34, 2186-2204.	1.3	3
141	Modular design and development methodology for robotic multi-axis F/M sensors. Scientific Reports, 2016, 6, 24689.	1.6	6
142	Design of a Control System for Serial Mechanisms. , 2016, , .		0
143	Analysis and comparative study of reference based adaptive control system for serial mechanisms. , 2016, , .		0
144	Design and analysis of a 4-PPPR parallel manipulator for strawberry harvesting in the ridge cultivation model. , 2016, , .		0

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145	Convergence performance comparisons of PID, MRAC, and PID + MRAC hybrid controller. <i>Frontiers of Mechanical Engineering</i> , 2016, 11, 213-217.	2.5	8
146	A serial of novel four degrees of freedom parallel mechanisms with large rotational workspace. <i>Robotica</i> , 2016, 34, 764-776.	1.3	14
147	Collision free force closure workspace determination of reconfigurable planar cable driven parallel robot. , 2016, , .		7
148	Design of the rock coal shearer cutting mechanism and its vibration analysis. , 2016, , .		0
149	Synthesis design of a robot manipulator for strawberry harvesting in ridge-culture. , 2016, , .		3
150	Static deformation modeling and analysis of flexure hinges made of a shape memory alloy. <i>Smart Materials and Structures</i> , 2016, 25, 115029.	1.8	12
151	Realization of drill rectifying control for coal shearer based on an improved PID algorithm. , 2016, , .		0
152	Design of a joint control system for serial mechanical arms based on PID and MRAC control. , 2016, , .		1
153	Synthesis Design and Analysis of a Hybrid Controller for Robotic Arms. , 2016, , .		0
154	The design methodology for fewer inputâ€“more output parallel mechanisms. <i>Mechanism and Machine Theory</i> , 2016, 104, 43-58.	2.7	6
155	Force Balance of Mechanisms and Parallel Robots Through Reconfiguration Method. <i>Mechanisms and Machine Science</i> , 2016, , 351-361.	0.3	1
156	A Novel Parallel Mechanism Design Based on Tripod Components. <i>Mechanisms and Machine Science</i> , 2016, , 297-306.	0.3	0
157	Review of Recent Advances on Reactionless Mechanisms and Parallel Robots. , 2016, , 1-19.		0
158	Experimental quantification of brake factor for S-Cam type foundation brake. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 87, 117-125.	2.5	4
159	External disturbance identification of a quadruped robot with parallelâ€“serial leg structure. <i>International Journal of Mechanics and Materials in Design</i> , 2016, 12, 109-120.	1.7	21
160	PAYLOAD VARIATION COMPENSATION FOR ROBOTIC ARMS THROUGH MODEL REFERENCE CONTROL APPROACH. <i>International Journal of Robotics and Automation</i> , 2016, 31, .	0.1	3
161	Optimization of the Brake Factor for an S-Cam Foundation Brake using RSM. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2016, 62, 503-510.	0.6	6
162	Auricular Acupressure Reduces Anxiety Levels and Improves Outcomes of in Vitro Fertilization: A Prospective, Randomized and Controlled Study. <i>Scientific Reports</i> , 2015, 4, 5028.	1.6	36

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163	Analysis of the Kinematic Accuracy Reliability of a 3-DOF Parallel Robot Manipulator. International Journal of Advanced Robotic Systems, 2015, 12, 15.	1.3	31
164	Robust Design Optimization of a 4-UPS-S Parallel Manipulator for Orientation-Regulating Control System of Solar Gather Panels. Journal of Industrial Engineering, 2015, 2015, 1-10.	0.6	0
165	Mechanism and actuation hybridization for a four degrees-of-freedom parallel manipulator. International Journal of Mechanics and Materials in Design, 2015, 11, 301-308.	1.7	2
166	Experimental study on the control of a novel vibration isolator via adaptive backstepping. JVC/Journal of Vibration and Control, 2015, 21, 1321-1339.	1.5	1
167	Kinematic analysis and optimization for 4PUS-RPU mechanism. , 2015, , .		2
168	Operating dexterity optimization and analysis of a 3-DOF parallel manipulator for a tunnel segment assembly system. International Journal of Mechanics and Materials in Design, 2015, 11, 277-285.	1.7	15
169	A spatial single loop kinematotropic mechanism used for biped/wheeled switchable robots. International Journal of Mechanics and Materials in Design, 2015, 11, 287-299.	1.7	11
170	Development of a multi-objective scheduling system for offshore projects based on hybrid non-dominated sorting genetic algorithm. Advances in Mechanical Engineering, 2015, 7, 168781401557378.	0.8	4
171	Advances and Issues on Dynamic Balancing of Parallel Mechanisms. , 2015, , .		4
172	Design of a general resilient robotic system based on axiomatic design theory. , 2015, , .		7
173	Performance Analysis, Mapping, and Multiobjective Optimization of a Hybrid Robotic Machine Tool. IEEE Transactions on Industrial Electronics, 2015, 62, 423-433.	5.2	91
174	Dynamic Balancing of Parallel Manipulators Through Reconfiguration. , 2015, , .		2
175	Manipulator Velocities and Static Forces. , 2015, , 1809-1854.		0
176	A geometric inversion algorithm for parameters calculation in Francis turbine. Discrete and Continuous Dynamical Systems - Series S, 2015, 8, 1373-1384.	0.6	0
177	System Hybridization for parallel mechanism. , 2014, , .		0
178	Robotic Dynamic Sculpture: Architecture, Modeling, and Implementation of Dynamic Sculpture. IEEE Robotics and Automation Magazine, 2014, 21, 96-104.	2.2	4
179	Multi-Dimensional MEMS/Micro Sensor for Force and Moment Sensing: A Review. IEEE Sensors Journal, 2014, 14, 2643-2657.	2.4	59
180	Conceptual design, performance visualization and dimension improvement of a flexure parallel manipulator. , 2014, , .		1

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181	Comparison between differential evolution and particle swarm optimization algorithms. , 2014, , .		17
182	Design and performance analysis of a novel parallel servo press with redundant actuation. International Journal of Mechanics and Materials in Design, 2014, 10, 145-163.	1.7	7
183	Simulation driven performance characterization of a spatial compliant parallel mechanism. International Journal of Mechanics and Materials in Design, 2014, 10, 227-246.	1.7	8
184	Analysis, fabrication, and field test of an advanced embedded throwing electromechanical sensing system. Journal of Mechanical Science and Technology, 2014, 28, 93-105.	0.7	2
185	A 6-DOF reconfigurable hybrid parallel manipulator. Robotics and Computer-Integrated Manufacturing, 2014, 30, 99-106.	6.1	66
186	Design, analysis and fabrication of a novel three degrees of freedom parallel robotic manipulator with decoupled motions. International Journal of Mechanics and Materials in Design, 2013, 9, 199-212.	1.7	18
187	Multi-objective optimization of stiffness and workspace for a parallel kinematic machine. International Journal of Mechanics and Materials in Design, 2013, 9, 281-293.	1.7	43
188	On performance enhancement of parallel kinematic machine. Journal of Intelligent Manufacturing, 2013, 24, 267-276.	4.4	10
189	PM based multi-component F/T sensorsâ€™ State of the art and trends. Robotics and Computer-Integrated Manufacturing, 2013, 29, 1-7.	6.1	12
190	Multidisciplinary Design Optimization in Engineering. Mathematical Problems in Engineering, 2013, 2013, 1-2.	0.6	4
191	Design of Parallel Mechanisms for Flexible Manufacturing With Reconfigurable Dynamics. Journal of Mechanical Design, Transactions of the ASME, 2013, 135, .	1.7	13
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