Dan Zhang

List of Publications by Year
in descending order

241 papers	4,208 citations	109264 35 h-index	161767 54 g-index
247 all docs	247 docs citations	247 times ranked	2816 citing authors

#	ARTICLE	IF	CITATIONS
1	PD2SE-Net: Computer-assisted plant disease diagnosis and severity estimation network. Computers and Electronics in Agriculture, 2019, 157, 518-529.	3.7	146
2	A review on model reference adaptive control of robotic manipulators. Annual Reviews in Control, 2017, 43, 188-198.	4.4	117
3	Efficient skin lesion segmentation using separable-Unet with stochastic weight averaging. Computer Methods and Programs in Biomedicine, 2019, 178, 289-301.	2.6	107
4	Design optimization of a spatial six degree-of-freedom parallel manipulator based on artificial intelligence approaches. Robotics and Computer-Integrated Manufacturing, 2010, 26, 180-189.	6.1	106
5	Design and fabrication of a six-dimensional wrist force/torque sensor based on E-type membranes compared to cross beams. Measurement: Journal of the International Measurement Confederation, 2010, 43, 1702-1719.	2.5	106
6	The Design and Development of an Omni-Directional Mobile Robot Oriented to an Intelligent Manufacturing System. Sensors, 2017, 17, 2073.	2.1	93
7	Review of hybrid electric powered aircraft, its conceptual design and energy management methodologies. Chinese Journal of Aeronautics, 2021, 34, 432-450.	2.8	92
8	Performance Analysis, Mapping, and Multiobjective Optimization of a Hybrid Robotic Machine Tool. IEEE Transactions on Industrial Electronics, 2015, 62, 423-433.	5.2	91
9	Six-DOF micro-manipulator based on compliant parallel mechanism with integrated force sensor. Robotics and Computer-Integrated Manufacturing, 2011, 27, 124-134.	6.1	89
10	A novel dynamic modelling approach for parallel mechanisms analysis. Robotics and Computer-Integrated Manufacturing, 2008, 24, 167-172.	6.1	85
11	GP-CNN-DTEL: Global-Part CNN Model With Data-Transformed Ensemble Learning for Skin Lesion Classification. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2870-2882.	3.9	81
12	Polarimetric Convolutional Network for PolSAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3040-3054.	2.7	79
13	Kinetostatic Modeling of N-DOF Parallel Mechanisms With a Passive Constraining Leg and Prismatic Actuators. Journal of Mechanical Design, Transactions of the ASME, 2001, 123, 375-381.	1.7	78
14	Parallel Robotic Machine Tools. , 2010, , .		77
15	Global kinetostatic modelling of tripod-based parallel kinematic machine. Mechanism and Machine Theory, 2004, 39, 357-377.	2.7	72
16	Forward kinematics, performance analysis, and multi-objective optimization of a bio-inspired parallel manipulator. Robotics and Computer-Integrated Manufacturing, 2012, 28, 484-492.	6.1	71
17	Kinematic analysis of a novel 3-DOF actuation redundant parallel manipulator using artificial intelligence approach. Robotics and Computer-Integrated Manufacturing, 2011, 27, 157-163.	6.1	68
18	Design and kinetostatic analysis of a new parallel manipulator. Robotics and Computer-Integrated Manufacturing, 2009, 25, 782-791.	6.1	67

#	Article	IF	Citations
19	Analysis of parallel kinematic machine with kinetostatic modelling method. Robotics and Computer-Integrated Manufacturing, 2004, 20, 151-165.	6.1	66
20	A 6-DOF reconfigurable hybrid parallel manipulator. Robotics and Computer-Integrated Manufacturing, 2014, 30, 99-106.	6.1	66
21	Deep Multiple Instance Learning-Based Spatial–Spectral Classification for PAN and MS Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 461-473.	2.7	62
22	Design, analysis and control of a winding hybrid-driven cable parallel manipulator. Robotics and Computer-Integrated Manufacturing, 2017, 48, 196-208.	6.1	60
23	Design, analysis, and stiffness optimization of a three degree of freedom parallel manipulator. Robotica, 2010, 28, 349-357.	1.3	59
24	Multi-Dimensional MEMS/Micro Sensor for Force and Moment Sensing: A Review. IEEE Sensors Journal, 2014, 14, 2643-2657.	2.4	59
25	Design and analysis of a three-dimensional bridge-type mechanism based on the stiffness distribution. Precision Engineering, 2018, 51, 48-58.	1.8	55
26	Development and analysis of a bridge-lever-type displacement amplifier based on hybrid flexure hinges. Precision Engineering, 2018, 54, 171-181.	1.8	55
27	Optimal Kinematic Calibration of Parallel Manipulators With Pseudoerror Theory and Cooperative Coevolutionary Network. IEEE Transactions on Industrial Electronics, 2012, 59, 3221-3231.	5.2	53
28	Path planning for active SLAM based on deep reinforcement learning under unknown environments. Intelligent Service Robotics, 2020, 13, 263-272.	1.6	52
29	Design, analysis and fabrication of a multidimensional acceleration sensor based on fully decoupled compliant parallel mechanism. Sensors and Actuators A: Physical, 2010, 163, 418-427.	2.0	47
30	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
31	Design and Analysis of a Sensor System for Cutting Force Measurement in Machining Processes. Sensors, 2016, 16, 70.	2.1	45
32	New Graph Representation for Planetary Gear Trains. Journal of Mechanical Design, Transactions of the ASME, 2018, 140, .	1.7	45
33	Design, modeling, and analysis of hybrid flexure hinges. Mechanism and Machine Theory, 2019, 131, 300-316.	2.7	45
34	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
35	A reconfigurable multi-mode mobile parallel robot. Mechanism and Machine Theory, 2017, 111, 39-65.	2.7	39
36	Weakly Supervised Biomedical Image Segmentation by Reiterative Learning. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1205-1214.	3.9	39

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37	Auricular Acupressure Reduces Anxiety Levels and Improves Outcomes of in Vitro Fertilization: A Prospective, Randomized and Controlled Study. Scientific Reports, 2015, 4, 5028.	1.6	36
38	Kinematic analysis and multi-objective optimization of a new reconfigurable parallel mechanism with high stiffness. Robotica, 2018, 36, 187-203.	1.3	36
39	Constraint and Mobility Change Analysis of Rubik's Cube-inspired Reconfigurable Joints and Corresponding Parallel Mechanisms. Chinese Journal of Mechanical Engineering (English Edition), 2020, 33, .	1.9	35
40	A Novel Miniature Four-Dimensional Force/Torque Sensor With Overload Protection Mechanism. IEEE Sensors Journal, 2009, 9, 1741-1747.	2.4	33
41	Dynamic modelling of a 3-DOF parallel manipulator using recursive matrix relations. Robotica, 2006, 24, 125-130.	1.3	31
42	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
43	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
44	Development of a touch probe based on five-dimensional force/torque transducer for coordinate measuring machine (CMM). Robotics and Computer-Integrated Manufacturing, 2012, 28, 238-244.	6.1	30
45	Design and Optimization of a Hybrid-Driven Waist Rehabilitation Robot. Sensors, 2016, 16, 2121.	2.1	28
46	Methods and Research for Multi-Component Cutting Force Sensing Devices and Approaches in Machining. Sensors, 2016, 16, 1926.	2.1	28
47	Kinetostatic modelling of a 3-PRR planar compliant parallel manipulator with flexure pivots. Precision Engineering, 2017, 48, 323-330.	1.8	28
48	Development of a highly efficient bridge-type mechanism based on negative stiffness. Smart Materials and Structures, 2017, 26, 095053.	1.8	26
49	Calibration and decoupling of multi-axis robotic Force/Moment sensors. Robotics and Computer-Integrated Manufacturing, 2018, 49, 301-308.	6.1	26
50	Multi-proportion channel ensemble model for retinal vessel segmentation. Computers in Biology and Medicine, 2019, 111, 103352.	3.9	26
51	Improvement of poly(γ-glutamic acid) biosynthesis and quantitative metabolic flux analysis of a two-stage strategy for agitation speed control in the culture of Bacillus subtilis NX-2. Biotechnology and Bioprocess Engineering, 2011, 16, 1144-1151.	1.4	25
52	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
53	Hybrid head mechanism of the groundhog-like mine rescue robot. Robotics and Computer-Integrated Manufacturing, 2011, 27, 460-470.	6.1	24
54	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

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55	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
56	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
57	On stiffness improvement of the Tricept machine tool. Robotica, 2005, 23, 377-386.	1.3	21
58	Design optimization of a spatial hybrid mechanism for micromanipulation. International Journal of Mechanics and Materials in Design, 2011, 7, 55-70.	1.7	21
59	External disturbance identification of a quadruped robot with parallel–serial leg structure. International Journal of Mechanics and Materials in Design, 2016, 12, 109-120.	1.7	21
60	Structure synthesis of reconfigurable generalized parallel mechanisms with configurable platforms. Mechanism and Machine Theory, 2021, 160, 104281.	2.7	21
61	Type synthesis of metamorphic mechanisms with scissor-like linkage based on different kinds of connecting pairs. Mechanism and Machine Theory, 2020, 151, 103848.	2.7	20
62	Design and analysis of novel kinematically redundant reconfigurable generalized parallel manipulators. Mechanism and Machine Theory, 2021, 166, 104481.	2.7	20
63	Stiffness modeling for a class of reconfigurable PKMs with three to five degrees of freedom. Journal of Manufacturing Systems, 2004, 23, 316-327.	7.6	19
64	A Potential 4-D Fingertip Force Sensor for an Underwater Robot Manipulator. IEEE Journal of Oceanic Engineering, 2010, 35, 574-583.	2.1	19
65	L-CSMS: novel lightweight network for plant disease severity recognition. Journal of Plant Diseases and Protection, 2021, 128, 557-569.	1.6	19
66	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
67	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
68	Generalized Model and Configuration Design of Multiple-Axis Flexure Hinges. Mechanism and Machine Theory, 2022, 169, 104677.	2.7	18
69	Stiffness optimization of a novel reconfigurable parallel kinematic manipulator. Robotica, 2012, 30, 433-447.	1.3	17
70	Comparison between differential evolution and particle swarm optimization algorithms. , 2014, , .		17
71	Control System for Vertical Take-Off and Landing Vehicle's Adaptive Landing Based on Multi-Sensor Data Fusion. Sensors, 2020, 20, 4411.	2.1	17
72	Design of dexterous hands based on parallel finger structures. Mechanism and Machine Theory, 2020, 152, 103952.	2.7	17

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73	Stiffness modeling of n(3RRlS) reconfigurable series-parallel manipulators by combining virtual joint method and matrix structural analysis. Mechanism and Machine Theory, 2020, 152, 103960.	2.7	17
74	A new family of generalized parallel manipulators with configurable moving platforms. Mechanism and Machine Theory, 2020, 153, 103997.	2.7	16
75	A comparison study of three degree-of-freedom parallel robotic machine tools with/without actuation redundancy. International Journal of Computer Integrated Manufacturing, 2012, 25, 230-247.	2.9	15
76	Design and Analysis of a Novel Six-Component F/T Sensor based on CPM for Passive Compliant Assembly. Measurement Science Review, 2013, 13, 253-264.	0.6	15
77	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
78	Interactions and Optimizations Analysis between Stiffness and Workspace of 3-UPU Robotic Mechanism. Measurement Science Review, 2017, 17, 83-92.	0.6	15
79	Evaluation of Topological Properties of Parallel Manipulators Based on the Topological Characteristic Indexes. Robotica, 2020, 38, 1381-1399.	1.3	15
80	A serial of novel four degrees of freedom parallel mechanisms with large rotational workspace. Robotica, 2016, 34, 764-776.	1.3	14
81	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
82	Design of Parallel Mechanisms for Flexible Manufacturing With Reconfigurable Dynamics. Journal of Mechanical Design, Transactions of the ASME, 2013, 135, .	1.7	13
83	Forward Kinematics and Workspace Determination of a Novel Redundantly Actuated Parallel Manipulator. International Journal of Aerospace Engineering, 2019, 2019, 1-14.	0.5	13
84	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
85	A multi-finger robot system for adaptive landing gear and aerial manipulation. Robotics and Autonomous Systems, 2021, 146, 103878.	3.0	13
86	Workspace Representation and Optimization of a Novel Parallel Mechanism with Three-Degrees-of-Freedom. Sustainability, 2011, 3, 2217-2228.	1.6	12
87	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
88	Decoupling Principle Analysis and Development of a Parallel Three-Dimensional Force Sensor. Sensors, 2016, 16, 1506.	2.1	12
89	Static deformation modeling and analysis of flexure hinges made of a shape memory alloy. Smart Materials and Structures, 2016, 25, 115029.	1.8	12
90	Analysis of the novel flexure parallel micromanipulators based on multi-level displacement amplifier with/without symmetrical design. International Journal of Mechanics and Materials in Design, 2012, 8, 311-325.	1.7	11

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91	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
92	Design and DOF Analysis of a Novel Compliant Parallel Mechanism for Large Load. Sensors, 2019, 19, 828.	2.1	11
93	A Review of Dynamic Balancing for Robotic Mechanisms. Robotica, 2021, 39, 55-71.	1.3	11
94	Ultrathin Three-Axis FBG Wrist Force Sensor for Collaborative Robots. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	2.4	11
95	Enumeration and optimum design of a class of translational parallel mechanisms with prismatic and parallelogram joints. Mechanism and Machine Theory, 2020, 150, 103846.	2.7	11
96	On performance enhancement of parallel kinematic machine. Journal of Intelligent Manufacturing, 2013, 24, 267-276.	4.4	10
97	Error Modeling and Experimental Study of a Flexible Joint 6-UPUR Parallel Six-Axis Force Sensor. Sensors, 2017, 17, 2238.	2.1	10
98	Automatic Basketball Detection in Sport Video Based on R-FCN and Soft-NMS. , 2019, , .		10
99	Micromanipulator with integrated force sensor based on compliant parallel mechanism. , 2010, , .		9
100	Modelling and optimisation of a 4-DOF hybrid robotic manipulator. International Journal of Computer Integrated Manufacturing, 2017, 30, 1179-1189.	2.9	9
101	Design, analysis and modelling of a hybrid controller for serial robotic manipulators. Robotica, 2017, 35, 1888-1905.	1.3	9
102	Design and Optimization of a Novel Three-Dimensional Force Sensor with Parallel Structure. Sensors, 2018, 18, 2416.	2.1	9
103	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
104	Model-Free Control of Flexible Manipulator Based on Intrinsic Design. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2641-2652.	3.7	9
105	Design of a class of generalized parallel mechanisms for adaptive landing and aerial manipulation. Mechanism and Machine Theory, 2022, 170, 104692.	2.7	9
106	Conditions of crank existence for a particular case of the RSSR linkage. Mechanism and Machine Theory, 1993, 28, 845-850.	2.7	8
107	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
108	Convergence performance comparisons of PID, MRAC, and PID + MRAC hybrid controller. Frontiers of Mechanical Engineering, 2016, 11, 213-217.	2.5	8

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109	A Generic Compliance Modeling Method for Two-Axis Elliptical-Arc-Filleted Flexure Hinges. Sensors, 2017, 17, 2154.	2.1	8
110	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
111	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
112	Realâ€time comprehensive glass container inspection system based on deep learning framework. Electronics Letters, 2019, 55, 131-132.	0.5	8
113	Synthesis of 3-[P][S] Parallel Mechanism-Inspired Multimode Dexterous Hands With Parallel Finger Structure. Journal of Mechanical Design, Transactions of the ASME, 2020, 142, .	1.7	8
114	Improved Extreme Learning Machine Based UWB Positioning for Mobile Robots with Signal Interference. Machines, 2022, 10, 218.	1.2	8
115	Dynamic performance evaluation of the parallel mechanism for a 3T2R hybrid robot. Mechanism and Machine Theory, 2022, 172, 104794.	2.7	8
116	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
117	Design of a general resilient robotic system based on axiomatic design theory. , 2015, , .		7
118	Collision free force closure workspace determination of reconfigurable planar cable driven parallel robot. , 2016, , .		7
119	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
120	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
121	Analysis and control for a new reconfigurable parallel mechanism. International Journal of Advanced Robotic Systems, 2020, 17, 172988142093132.	1.3	7
122	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
123	Adaptive Fuzzy Sliding Mode Control for a 3-DOF Parallel Manipulator with Parameters Uncertainties. Complexity, 2020, 2020, 1-16.	0.9	7
124	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
125	A Sustainable Ethanol Distillation System. Sustainability, 2012, 4, 92-105.	1.6	6
126	Modular design and development methodology for robotic multi-axis F/M sensors. Scientific Reports, 2016, 6, 24689.	1.6	6

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127	The design methodology for fewer input–more output parallel mechanisms. Mechanism and Machine Theory, 2016, 104, 43-58.	2.7	6
128	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
129	On the Development of Learning Control for Robotic Manipulators. Robotics, 2017, 6, 23.	2.1	6
130	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
131	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
132	Smart Sensors and Devices in Artificial Intelligence. Sensors, 2020, 20, 5945.	2.1	6
133	A Review: Robust Locomotion for Biped Humanoid Robots. Journal of Physics: Conference Series, 2020, 1487, 012048.	0.3	6
134	Experimental study of event-based neural network control on parallel manipulator. Mechatronics, 2021, 75, 102514.	2.0	6
135	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
136	Optimization of the Brake Factor for an S-Cam Foundation Brake using RSM. Strojniski Vestnik/Journal of Mechanical Engineering, 2016, 62, 503-510.	0.6	6
137	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
138	Trajectory Tracking Control Study of a New Parallel Mechanism with Redundant Actuation. International Journal of Aerospace Engineering, 2020, 2020, 1-14.	0.5	5
139	A novel multi-classifier based on a density-dependent quantized binary tree LSSVM and the logistic global whale optimization algorithm. Applied Intelligence, 2020, 50, 3808-3821.	3.3	5
140	RNTR-Net: A Robust Natural Text Recognition Network. IEEE Access, 2020, 8, 7719-7730.	2.6	5
141	Global stiffness modeling and optimization of a 5-DOF parallel mechanism. , 2009, , .		4
142	Design of a compliant XY stage with embedded force sensor for micro-scale positioning. , 2010, , .		4
143	Analysis of a Novel Design of a Three-Degree of Freedom Hip Exoskeleton Based on Biomimetic Parallel Structure. , 2011, , .		4
144	Multidisciplinary Design Optimization in Engineering. Mathematical Problems in Engineering, 2013, 2013, 1-2.	0.6	4

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145	Robotic Dynamic Sculpture: Architecture, Modeling, and Implementation of Dynamic Sculpture. IEEE Robotics and Automation Magazine, 2014, 21, 96-104.	2.2	4
146	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
147	Advances and Issues on Dynamic Balancing of Parallel Mechanisms. , 2015, , .		4
148	Experimental quantification of brake factor for S-Cam type foundation brake. Measurement: Journal of the International Measurement Confederation, 2016, 87, 117-125.	2.5	4
149	Typical configuration analysis of a modular reconfigurable cable-driven parallel robot. International Journal of Advanced Robotic Systems, 2019, 16, 172988141983475.	1.3	4
150	A novel class of generalized parallel manipulators with high rotational capability. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 4599-4619.	1.1	4
151	Dynamic Modeling and Adaptive Robust Synchronous Control of Parallel Robotic Manipulator for Industrial Application. Complexity, 2020, 2020, 1-23.	0.9	4
152	Study on Control Strategy for Tilt-rotor Aircraft Conversion Procedure. Journal of Physics: Conference Series, 2021, 1924, 012010.	0.3	4
153	Design, kinematic and dynamic modeling of a novel tripod based manipulator. Robotica, 2016, 34, 2186-2204.	1.3	3
154	Synthesis design of a robot manipulator for strawberry harvesting in ridge-culture. , 2016, , .		3
155	Kinematic Performance Analysis of a Hybrid-Driven Waist Rehabilitation Robot. Lecture Notes in Mechanical Engineering, 2017, , 73-86.	0.3	3
156	Reliability Evaluation and Robust Design of a Sensor in an Entire Roller-Embedded Shapemeter. Sensors, 2018, 18, 1988.	2.1	3
157	PAYLOAD VARIATION COMPENSATION FOR ROBOTIC ARMS THROUGH MODEL REFERENCE CONTROL APPROACH. International Journal of Robotics and Automation, 2016, 31, .	0.1	3
158	KINEMATICS ANALYSIS OF A NOVEL 2R1T PARALLEL MECHANISM. International Journal of Robotics and Automation, 2018, 33, .	0.1	3
159	A Comparison Study of Three Degree-of-Freedom Micro-motion Parallel Kinematic Machines with/without Actuation Redundancy. , 2010, , .		2
160	Novel design of a three degrees of freedom hip exoskeleton based on biomimetic parallel structure. , 2011, , .		2
161	Multi-objective performance optimization of a parallel robotic machine tool. , 2012, , .		2
162	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

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163	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
164	Kinematic analysis and optimization for 4PUS-RPU mechanism. , 2015, , .		2
165	Study on Payload Effects on the Joint Motion Accuracy of Serial Mechanical Mechanisms. Machines, 2016, 4, 21.	1.2	2
166	Design and Integration for High Performance Robotic Systems Based on Decomposition and Hybridization Approaches. Sensors, 2017, 17, 118.	2.1	2
167	A Novel Model to Simulate Flexural Complements in Compliant Sensor Systems. Sensors, 2018, 18, 1029.	2.1	2
168	Novel Design of a 3-RRUU 6-DOF Parallel Manipulator. IOP Conference Series: Materials Science and Engineering, 2019, 491, 012006.	0.3	2
169	An open source engineering practice assistant training system based on virtual reality. , 2020, , .		2
170	A Three-Fingered Robot Hand Based on the Slider and Rocker Mechanism. , 2021, , .		2
171	Design of the Servo Control System Based on EtherCAT P. Journal of Physics: Conference Series, 2021, 1924, 012009.	0.3	2
172	Dynamic Balancing of Parallel Manipulators Through Reconfiguration. , 2015, , .		2
173	ENERGY OPTIMAL ADAPTION AND MOTION PLANNING OF A 3-RRS BALANCED MANIPULATOR. International Journal of Robotics and Automation, 2019, 34, .	0.1	2
174	DYNAMIC BALANCING OF ROBOTIC MECHANISMS VIA RECONFIGURATION AND INTEGRATION DESIGN. International Journal of Robotics and Automation, 2017, 32, .	0.1	2
175	Robust table recognition for printed document images. Mathematical Biosciences and Engineering, 2020, 17, 3203-3223.	1.0	2
176	Experimental study on the control of a suspended cable-driven parallel robot for object tracking purpose. Robotica, 0, , 1-15.	1.3	2
177	Global Stiffness Optimization of Parallel Robots Using Kinetostatic Performance Indices. , 2010, , .		1
178	Novel design of a three DOFs MEMS-based precision manipulator. , 2011, , .		1
179	A novel calibration method of parallel kinematic manipulators based on multi-population coevolutionary neural network. , 2011, , .		1
180	Static balancing and dynamic modeling of a three-degree-of-freedom parallel kinematic manipulator. , 2011, , .		1

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181	Design and Fabrication of an Auto-Reconfiguring Modular Micro Mobile Robot. , 2011, , .		1
182	Conceptual design, performance visualization and dimension improvement of a flexure parallel manipulator. , 2014, , .		1
183	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
184	Study on the Kinematic Performances and Optimization for Three Types of Parallel Manipulators. Machines, 2016, 4, 24.	1.2	1
185	Design of a joint control system for serial mechanical arms based on PID and MRAC control. , 2016, , .		1
186	Force Balance of Mechanisms and Parallel Robots Through Reconfiguration Method. Mechanisms and Machine Science, 2016, , 351-361.	0.3	1
187	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
188	Reconfigurable 3-PRS Parallel Solar Tracking Stand. , 2017, , .		1
189	Critical Review and Progress of Adaptive Controller Design for Robot Arms. Lecture Notes in Mechanical Engineering, 2017, , 3-12.	0.3	1
190	Stiffness Analysis and Optimization for a Bio-inspired 3-DOF Hybrid Manipulator. Lecture Notes in Mechanical Engineering, 2017, , 341-350.	0.3	1
191	Synthesising of reactionless flexible mechanisms for space applications. International Journal of Space Science and Engineering, 2018, 5, 1.	0.1	1
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