

Bing Li

List of Publications by Year in descending order

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241
papers

2,537
citations

257101

24
h-index

301761

39
g-index

250
all docs

250
docs citations

250
times ranked

1724
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed Containment Control for Multiple Unknown Second-Order Nonlinear Systems With Application to Networked Lagrangian Systems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1885-1899.	7.2	135
2	∞ Consensus and Synchronization of Nonlinear Systems Based on A Novel Fuzzy Model. IEEE Transactions on Cybernetics, 2013, 43, 2157-2169.	6.2	102
3	A large ring deployable mechanism for space satellite antenna. Aerospace Science and Technology, 2016, 58, 498-510.	2.5	93
4	A universal on-orbit servicing system used in the geostationary orbit. Advances in Space Research, 2011, 48, 95-119.	1.2	87
5	Singularity Analysis and Avoidance for Robot Manipulators With Nonspherical Wrists. IEEE Transactions on Industrial Electronics, 2016, 63, 277-290.	5.2	72
6	Design and Mobility Analysis of Large Deployable Mechanisms Based on Plane-Symmetric Bricard Linkage. Journal of Mechanical Design, Transactions of the ASME, 2017, 139, .	1.7	63
7	Modeling and analysis of a large deployable antenna structure. Acta Astronautica, 2014, 95, 51-60.	1.7	57
8	Synthesis of Deployable/Foldable Single Loop Mechanisms With Revolute Joints. Journal of Mechanisms and Robotics, 2011, 3, .	1.5	55
9	Kinematics analysis of a hybrid manipulator for computer controlled ultra-precision freeform polishing. Robotics and Computer-Integrated Manufacturing, 2017, 44, 44-56.	6.1	55
10	Mobile Assemblies of Large Deployable Mechanisms. Journal of Space Engineering, 2012, 5, 1-14.	0.8	45
11	Geometrical method to determine the reciprocal screws and applications to parallel manipulators. Robotica, 2009, 27, 929-940.	1.3	44
12	Soft Sensitive Skin for Safety Control of a Nursing Robot Using Proximity and Tactile Sensors. IEEE Sensors Journal, 2020, 20, 3822-3830.	2.4	43
13	Synthesis of a novel type of metamorphic mechanism module for large scale deployable grasping manipulators. Mechanism and Machine Theory, 2018, 128, 544-559.	2.7	40
14	Design and optimization of large deployable mechanism constructed by Myard linkages. CEAS Space Journal, 2013, 5, 147-155.	1.1	38
15	Modeling and analysis of deployment dynamics for a novel ring mechanism. Acta Astronautica, 2016, 120, 59-74.	1.7	38
16	Robot-Assisted Decompressive Laminectomy Planning Based on 3D Medical Image. IEEE Access, 2018, 6, 22557-22569.	2.6	33
17	Collision Detection and Coordinated Compliance Control for a Dual-Arm Robot Without Force/Torque Sensing Based on Momentum Observer. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2261-2272.	3.7	30
18	Hybrid Adaptive Control Strategy for Continuum Surgical Robot Under External Load. IEEE Robotics and Automation Letters, 2021, 6, 1407-1414.	3.3	30

#	ARTICLE	IF	CITATIONS
19	Modelling and Control of Inverse Dynamics for a 5-DOF Parallel Kinematic Polishing Machine. <i>International Journal of Advanced Robotic Systems</i> , 2013, 10, 314.	1.3	28
20	Design, analysis and control of a novel deployable grasping manipulator. <i>Mechanism and Machine Theory</i> , 2019, 138, 182-204.	2.7	28
21	Stiffness modeling and optimization of a 3-DOF parallel robot in a serial-parallel polishing machine. <i>International Journal of Precision Engineering and Manufacturing</i> , 2017, 18, 497-507.	1.1	27
22	Design and Kinematic Analysis of a 3RRIS Metamorphic Parallel Mechanism for Large-Scale Reconfigurable Space Multifingered Hand. <i>Journal of Mechanisms and Robotics</i> , 2018, 10, .	1.5	27
23	Robust Fixture Configuration Design for Sheet Metal Assembly With Laser Welding. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2003, 125, 120-127.	1.3	26
24	Virtual Chain Approach for Mobility Analysis of Multiloop Deployable Mechanisms. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2013, 135, .	1.7	26
25	A New Family of Bricard-Derived Deployable Mechanisms. <i>Journal of Mechanisms and Robotics</i> , 2016, 8, .	1.5	26
26	Finite element analysis for fatigue behaviour of a self-expanding Nitinol peripheral stent under physiological biomechanical conditions. <i>Computers in Biology and Medicine</i> , 2019, 104, 205-214.	3.9	26
27	Precise robust adaptive dynamic surface control of permanent magnet synchronous motor based on extended state observer. <i>IET Science, Measurement and Technology</i> , 2017, 11, 590-599.	0.9	25
28	Modeling and analysis of a multi-dimensional vibration isolator based on the parallel mechanism. <i>Journal of Manufacturing Systems</i> , 2012, 31, 50-58.	7.6	24
29	Design of Large Single-Mobility Surface-Deployable Mechanism Using Irregularly Shaped Triangular Prismoid Modules. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2019, 141, .	1.7	24
30	Design of a truss-shaped deployable grasping mechanism using mobility bifurcation. <i>Mechanism and Machine Theory</i> , 2019, 139, 346-358.	2.7	24
31	Quality design of fixture planning for sheet metal assembly. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 32, 690-697.	1.5	22
32	Coordinated control of a dual-arm robot for surgical instrument sorting tasks. <i>Robotics and Autonomous Systems</i> , 2019, 112, 1-12.	3.0	22
33	Type synthesis of plane-symmetric deployable grasping parallel mechanisms using constraint force parallelogram law. <i>Mechanism and Machine Theory</i> , 2021, 161, 104330.	2.7	22
34	Feedback Altitude Control of a Flying Insect-Computer Hybrid Robot. <i>IEEE Transactions on Robotics</i> , 2021, 37, 2041-2051.	7.3	21
35	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
36	A spherical hopping robot for exploration in complex environments. , 2009, , .		19

#	ARTICLE	IF	CITATIONS
37	Mobility Analysis of Symmetric Deployable Mechanisms Involved in a Coplanar 2-Twist Screw System. <i>Journal of Mechanisms and Robotics</i> , 2016, 8, .	1.5	19
38	Influence of SiC surface defects on materials removal in atmospheric pressure plasma polishing. <i>Computational Materials Science</i> , 2018, 146, 26-35.	1.4	19
39	Design and Optimize of a Novel Segmented Soft Pneumatic Actuator. <i>IEEE Access</i> , 2020, 8, 122304-122313.	2.6	19
40	Design of deployable curved-surface rigid origami flashers. <i>Mechanism and Machine Theory</i> , 2022, 167, 104512.	2.7	19
41	Safety analysis and control of a robotic spinal surgical system. <i>Mechatronics</i> , 2014, 24, 55-65.	2.0	18
42	A Lightweight Soft Gripper Driven by Self-Sensing Super-Coiled Polymer Actuator. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 2775-2782.	3.3	18
43	A parallel learning particle swarm optimizer for inverse kinematics of robotic manipulator. <i>International Journal of Intelligent Systems</i> , 2021, 36, 6101-6132.	3.3	18
44	Design and Analysis of a High-Payload Manipulator Based on a Cable-Driven Serial-Parallel Mechanism. <i>Journal of Mechanisms and Robotics</i> , 2019, 11, .	1.5	18
45	State recognition of decompressive laminectomy with multiple information in robot-assisted surgery. <i>Artificial Intelligence in Medicine</i> , 2020, 102, 101763.	3.8	17
46	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
47	Dynamic analysis of planar mechanisms with revolute clearance joints based on two evaluation indices. <i>Mechanics Based Design of Structures and Machines</i> , 2016, 44, 231-249.	3.4	16
48	Actuation distribution and workspace analysis of a novel 3(3RRIS) metamorphic serial-parallel manipulator for grasping space non-cooperative targets. <i>Mechanism and Machine Theory</i> , 2019, 139, 424-442.	2.7	16
49	Path planning of mechanical polishing process for freeform surface with a small polishing tool. <i>Robotics and Biomimetics</i> , 2014, 1, .	1.7	15
50	Micro ultrasonic powder molding for semi-crystalline polymers. <i>Journal of Micromechanics and Microengineering</i> , 2014, 24, 045014.	1.5	15
51	Stiffness modeling of a family of 6-DoF parallel mechanisms with three limbs based on screw theory. <i>Journal of Mechanical Science and Technology</i> , 2010, 24, 373-382.	0.7	14
52	Variation Analysis and Robust Fixture Design of a Flexible Fixturing System for Sheet Metal Assembly. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2010, 132, .	1.3	14
53	A 6-DOF adaptive parallel manipulator with large tilting capacity. <i>Robotics and Computer-Integrated Manufacturing</i> , 2012, 28, 275-283.	6.1	14
54	Semi-active control for a multi-dimensional vibration isolator with parallel mechanism. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 879-888.	1.5	14

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55	A Complete, Continuous, and Minimal Product of Exponentials-Based Model for Five-Axis Machine Tools Calibration With a Single Laser Tracker, an R-Test, or a Double Ball-Bar. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2019, 141, .	1.3	14
56	Design and Implementation of a Novel Variable Stiffness Actuator With Cam-Based Relocation Mechanism. <i>Journal of Mechanisms and Robotics</i> , 2021, 13, .	1.5	14
57	Type synthesis of single-loop deployable mechanisms based on improved atlas method for single-DOF grasping manipulators. <i>Mechanism and Machine Theory</i> , 2022, 169, 104656.	2.7	14
58	Conceptual design and analysis of the 2T1R mechanism for a cooking robot. <i>Robotics and Autonomous Systems</i> , 2011, 59, 74-83.	3.0	13
59	Kinematics and cooperative control of a robotic spinal surgery system. <i>Robotica</i> , 2016, 34, 226-242.	1.3	13
60	Design of Transformable Hinged Ori-Block Dissected from Cylinders and Cones. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2021, 143, .	1.7	13
61	Design of a novel three-limb deployable mechanism with mobility bifurcation. <i>Mechanism and Machine Theory</i> , 2022, 172, 104789.	2.7	13
62	Dynamic Modeling and Performance Analysis of a 3-DOF Pan Mechanism for a Cooking Robot. <i>Mechanics Based Design of Structures and Machines</i> , 2010, 38, 243-260.	3.4	12
63	Wheeled hopping robot with combustion-powered actuator. <i>International Journal of Advanced Robotic Systems</i> , 2018, 15, 172988141774560.	1.3	12
64	Launching of a Cyborg Locust via Co-Contraction Control of Hindleg Muscles. <i>IEEE Transactions on Robotics</i> , 2022, 38, 2208-2219.	7.3	12
65	Conceptual design and workspace analysis of reconfigurable fixturing robots for sheet metal assembly. <i>Assembly Automation</i> , 2012, 32, 293-299.	1.0	11
66	Fast vision-based pose estimation iterative algorithm. <i>Optik</i> , 2013, 124, 1116-1121.	1.4	11
67	Hydrodynamic analysis of multileaf gas foil bearing with backing springs. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2014, 228, 529-547.	1.0	11
68	Deployment Dynamics of Large Space Antenna and Supporting Arms. <i>IEEE Access</i> , 2019, 7, 69922-69935.	2.6	11
69	Torque Estimation for Robotic Joint With Harmonic Reducer Based on Deformation Calibration. <i>IEEE Sensors Journal</i> , 2020, 20, 991-1002.	2.4	11
70	Design and analysis of a cable-driven rigid-flexible coupling parallel mechanism with variable stiffness. <i>Mechanism and Machine Theory</i> , 2020, 153, 104030.	2.7	11
71	A fuzzy adaptive admittance controller for force tracking in an uncertain contact environment. <i>IET Control Theory and Applications</i> , 2021, 15, 2158-2170.	1.2	11
72	A 5-DOF redundantly actuated parallel mechanism for large tilting five-face machining. <i>Mechanism and Machine Theory</i> , 2022, 172, 104785.	2.7	11

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73	The Effect of Area Contact on the Static Performance of Multileaf Foil Bearings. Tribology Transactions, 2015, 58, 592-601.	1.1	10
74	Gait planning for a multi-motion mode wheel-legged hexapod robot. , 2016, , .		10
75	An improved ACO algorithm for mobile robot path planning. , 2016, , .		10
76	Dynamic Modeling and Control for a Deployable Grasping Manipulator. IEEE Access, 2019, 7, 23000-23011.	2.6	10
77	Trajectory Optimization and Force Control with Modified Dynamic Movement Primitives under Curved Surface Constraints. , 2019, , .		10
78	A comparative study on quality design of fixture planning for sheet metal assembly. Journal of Engineering Design, 2008, 19, 1-13.	1.1	9
79	Quality design of tolerance allocation for sheet metal assembly with resistance spot weld. International Journal of Production Research, 2009, 47, 1695-1711.	4.9	9
80	Type synthesis of deployable/foldable articulated mechanisms. , 2010, , .		9
81	A Piecewise Acceleration-Optimal and Smooth-Jerk Trajectory Planning Method for Robot Manipulator along a Predefined Path. International Journal of Advanced Robotic Systems, 2011, 8, 50.	1.3	9
82	Mechanical drilling of PCB micro hole and its application in micro ultrasonic powder molding. Circuit World, 2015, 41, 87-94.	0.7	9
83	Singularity Avoidance for a Deployable Mechanism Using Elastic Joints. Journal of Mechanical Design, Transactions of the ASME, 2019, 141, .	1.7	9
84	Impingement-assisted self-assembly of ferrofluid droplets under magnetic field. Applied Physics Letters, 2021, 119, .	1.5	9
85	A Modular Lockable Mechanism for Tendon-Driven Robots: Design, Modeling and Characterization. IEEE Robotics and Automation Letters, 2022, 7, 2023-2030.	3.3	9
86	A ResNet-based approach for accurate radiographic diagnosis of knee osteoarthritis. CAAI Transactions on Intelligence Technology, 2022, 7, 512-521.	3.4	9
87	Analysis of Kinematics and Dynamics for a Novel Hybrid Kinematics Machine. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2007, 1, 58-69.	0.3	8
88	Design of Large Deployable Networks Constructed by Myard Linkages. Key Engineering Materials, 0, 486, 291-296.	0.4	8
89	Analysis on formation mechanism of ultra-smooth surfaces in atmospheric pressure plasma polishing. International Journal of Advanced Manufacturing Technology, 2013, 65, 1239-1245.	1.5	8
90	Micro UHMWâ€PE column array molded by the utilization of PCB as mold insert. Circuit World, 2013, 39, 95-101.	0.7	8

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91	Design and constant force control of a parallel polishing machine. , 2014, , .		8
92	Modular dynamic modeling and analysis of planar closed-loop mechanisms with clearance joints and flexible links. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 522-540.	1.1	8
93	Design methodology of a novel variable stiffness actuator based on antagonistic-driven mechanism. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 6967-6984.	1.1	8
94	Stability analysis and optimal enveloping grasp planning of a deployable robotic hand. Mechanism and Machine Theory, 2021, 158, 104241.	2.7	8
95	Human-Robot Interaction Control for Robot Driven by Variable Stiffness Actuator With Force Self-Sensing. IEEE Access, 2021, 9, 6696-6705.	2.6	8
96	Multi-feature based high-speed ball shape target tracking. , 2015, , .		7
97	Dynamic modeling and control for a five-dimensional hybrid vibration isolator based on a position/orientation decoupled parallel mechanism. JVC/Journal of Vibration and Control, 2016, 22, 3368-3383.	1.5	7
98	Large deployable network constructed by Altmann linkages. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 341-355.	1.1	7
99	Analysis and simulation for a parallel drill point grinder. International Journal of Advanced Manufacturing Technology, 2006, 30, 221-226.	1.5	6
100	Analysis and simulation for a parallel drill point grinder. International Journal of Advanced Manufacturing Technology, 2007, 31, 915-925.	1.5	6
101	Analysis and Synthesis of a Kind of Mobility Reconfigurable Robot with Multi-Task Capability. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2011, 5, 87-102.	0.3	6
102	A ship active vibration isolation system based on a novel 5-DOF parallel mechanism. , 2014, , .		6
103	Fault tolerance kinematics and trajectory planning of a 6-DOF space manipulator under a single joint failure. , 2016, , .		6
104	Dynamic analysis of a linear Delta robot in hybrid polishing machine based on the principle of virtual work. , 2017, , .		6
105	Design of a Sliding Morphing Skin with Segmented Rigid Panels. Journal of Aircraft, 2018, 55, 1985-1994.	1.7	6
106	Model-based spinal deformation compensation in robot-assisted decompressive laminectomy. Mechatronics, 2019, 59, 115-126.	2.0	6
107	A Transformation Method to Generate the Workspace of an n(3RRS) Serial-Parallel Manipulator. Journal of Mechanical Design, Transactions of the ASME, 2019, 141, .	1.7	6
108	The function of pitching in Beetle's flight revealed by insect-wearable backpack. Biosensors and Bioelectronics, 2022, 198, 113818.	5.3	6

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109	Design and Kinematic Modeling of In-Situ Torsionally-Steerable Flexible Surgical Robots. IEEE Robotics and Automation Letters, 2022, 7, 1864-1871.	3.3	6
110	Design and Analysis of a Three-Fingered Deployable Metamorphic Robotic Grasper. Journal of Mechanical Design, Transactions of the ASME, 2022, 144, .	1.7	6
111	Dexterity Analysis and Motion Optimization of In-Situ Torsionally-Steerable Flexible Surgical Robots. IEEE Robotics and Automation Letters, 2022, 7, 8347-8354.	3.3	6
112	The Steering Jump Control of a Locust Bio-Robot via Asynchronous Hindleg Kickings. Advanced Intelligent Systems, 2022, 4, .	3.3	6
113	Design and Analysis of a Tapered Deployable Mast. Key Engineering Materials, 2010, 450, 31-34.	0.4	5
114	Randomized multi-objective optimal design of a novel deployable truss. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2013, 227, 1720-1736.	0.7	5
115	Safety Tracking Motion Control Based on Forbidden Virtual Fixtures in Robot Assisted Nasal Surgery. IEEE Access, 2018, 6, 44905-44916.	2.6	5
116	Design, analysis, and performance verification of a water jet thruster for amphibious jumping robot. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 5431-5447.	1.1	5
117	Variable Admittance Control Based on Trajectory Prediction of Human Hand Motion for Physical Human-Robot Interaction. Applied Sciences (Switzerland), 2021, 11, 5651.	1.3	5
118	An Automatic Path Planning Method of Pedicle Screw Placement Based on Preoperative CT Images. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 403-413.	2.1	5
119	The Feedback Trajectory Control of a SMA-Driven Miniature Jumping Robot. , 2022, , .		5
120	Dynamic Modeling and Design for the Parallel Mechanism of a Hybrid Type Parallel Kinematic Machine. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2007, 1, 481-492.	0.3	4
121	Kinematics analysis of a novel parallel platform with passive constraint chain. International Journal of Design Engineering, 2008, 1, 316.	0.3	4
122	Development of motion type reconfigurable modular robot for multi-task application. , 2009, , .		4
123	The cooperated MPPT control of stand-alone PV Power generation system. , 2010, , .		4
124	Numerical simulations of motion behaviors of pan mechanism in a cooking robot with granular cuisine. Journal of Mechanical Science and Technology, 2011, 25, 803-808.	0.7	4
125	Type synthesis to design variable camber mechanisms. Advances in Mechanical Engineering, 2016, 8, 168781401666600.	0.8	4
126	Design and Analysis of a Novel Deployable Robotic Grasper. , 2019, , .		4

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127	Model-Based Compensation of Moving Tissue for State Recognition in Robotic-Assisted Pedicle Drilling. IEEE Transactions on Medical Robotics and Bionics, 2020, 2, 463-473.	2.1	4
128	Design and Analysis of a Novel Truss-Shaped Variable-Stiffness Deployable Robotic Grasper. IEEE Access, 2020, 8, 112944-112956.	2.6	4
129	Omnidirectional Jump Control of a Locust-Computer Hybrid Robot. Soft Robotics, 2023, 10, 40-51.	4.6	4
130	Design of a Rigid-Flexible Coupling Origami Gripper. , 2021, , .		4
131	A Snake-Inspired Swallowing Robot Based on Hoberman's Linkages. Journal of Mechanisms and Robotics, 2022, 14, .	1.5	4
132	Tolerance Allocation of Sheet Metal Assembly Using a Finite Element Model. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2002, 45, 258-266.	0.3	3
133	Dynamic analysis and robust reliability design of pan mechanism for a cooking robot. , 2009, , .		3
134	Parametric Optimization for a Tapered Deployable Mast in an Integrated Design Environment. Advanced Materials Research, 0, 346, 426-432.	0.3	3
135	Containment control for networked unknown Lagrangian systems with multiple dynamic leaders under a directed graph. , 2013, , .		3
136	Spinal physiological motion simulator and compensation method for a robotic spinal surgical system. , 2014, , .		3
137	Design of joint servo control system based on FPGA. , 2015, , .		3
138	Study on Influence of Silicon Crystal Dislocation on Removal in Atmospheric Pressure Plasma Polishing. Materials Science Forum, 0, 878, 83-88.	0.3	3
139	A Bone Milling Robot for Spinal Surgery ¹ . Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.4	3
140	A New Parallel External Fixator Design for Correcting Ankle and Foot Sagittal Plane Deformities ¹ . Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.4	3
141	Modelling and application of particle distribution for atmospheric plasma excitation. International Journal of Nanomanufacturing, 2017, 13, 43.	0.3	3
142	Design of a novel water jet thruster for amphibious jumping robot. , 2018, , .		3
143	On the kinematics of forelimb landing of frog <i>Rana rugulosus</i> . Journal of Biomechanics, 2021, 121, 110417.	0.9	3
144	Diffeomorphic respiratory motion estimation of thoracoabdominal organs for image-guided interventions. Medical Physics, 2021, 48, 4160-4176.	1.6	3

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145	Mobility Analysis of Thin-Panel Origamis Based on a Coplanar 2-Twist Screw System. Journal of Mechanical Design, Transactions of the ASME, 2020, 142, .	1.7	3
146	A Stability and Safety Control Method in Robot-Assisted Decompressive Laminectomy Considering Respiration and Deformation of Spine. IEEE Transactions on Automation Science and Engineering, 2023, 20, 258-270.	3.4	3
147	Synthesis and Analysis of 4-DOF Parallel Manipulator with Passive Subchain. Materials Science Forum, 2006, 532-533, 677-680.	0.3	2
148	Modeling and representation of a computer-aided conceptual design system. Journal of Mechanical Science and Technology, 2012, 26, 3515-3524.	0.7	2
149	Improvement of plasma jet in atmospheric pressure plasma polishing. International Journal of Manufacturing Research, 2014, 9, 245.	0.1	2
150	Analysis and Optimization of a Vibration Isolation Platform Based on 6-DOF Parallel Mechanism. Key Engineering Materials, 0, 625, 748-753.	0.4	2
151	Development of a remote-controlled mobile robot with binocular vision for environment monitoring. , 2015, , .		2
152	Design and Mobility Analysis of Large Deployable Mechanisms Based on Plane-Symmetric Bricard Linkage. , 2016, , .		2
153	A new kind of non-pneumatic tire for attenuating vibration. , 2016, , .		2
154	Analysis and optimization of a camber morphing wing model. International Journal of Advanced Robotic Systems, 2016, 13, 172988141666484.	1.3	2
155	Modelling and optimisation of a five dimensional vibration isolator. International Journal of Materials and Product Technology, 2016, 53, 171.	0.1	2
156	Design of a deployable ring mechanism using V-fold bars and scissor mechanisms. , 2016, , .		2
157	Mobile 4-mU parallel robot with multiple modes. , 2017, , .		2
158	Analysis of an underactuated biomimetic octopus hand for grasping space non-cooperative objects. , 2017, , .		2
159	Design and analysis of an underactuated robotic hands for grasping space irregular-shaped non-cooperative objects. , 2017, , .		2
160	A Novel Dual-Parallelogram Passive Rocking Vibration Isolator: A Theoretical Investigation and Experiment. Applied Sciences (Switzerland), 2017, 7, 367.	1.3	2
161	Design and Analysis of a Quadrangular Truss-Shaped Deployable Robotic Manipulator for Grasping Large Scale Objects. , 2018, , .		2
162	Design and Motion control of a Small Underwater Robot. , 2018, , .		2

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163	Deterministic removal of atmospheric pressure plasma polishing based on the Lucy-Richardson algorithm. <i>Machining Science and Technology</i> , 2018, 22, 953-967.	1.4	2
164	Automatic registration and precise tumour localization method for robot-assisted puncture procedure under inconsistent breath-holding conditions. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2021, 17, e2319.	1.2	2
165	Design, Development, and Analysis of a Hybrid Serial-Parallel Machine for Precision Polishing. <i>Precision Manufacturing</i> , 2020, , 171-205.	0.1	2
166	Muscular stimulation based biological actuator from locust's hindleg. , 2021, , .		2
167	Design and Analysis of a Novel 3-DOF Deployable Grasping Mechanism. , 2020, , .		2
168	Collaborative turning and jumping control of a cyborg locust via sensory stimulation. , 2021, , .		2
169	A Dynamic Adaptive Impedance Controller for Force Tracking of Dual-arm Manipulators in Uncertain Contact Environment. , 2021, , .		2
170	A beetle-claw inspired miniature mesh climbing robot. , 2022, , .		2
171	Stiffness Analysis for a Novel Parallel-Robot Based High-Precision Flexible Assembly Fixture. <i>Key Engineering Materials</i> , 2007, 364-366, 327-332.	0.4	1
172	Research of Quick-Return Mechanisms Using for Automatic Cooking Robot. <i>Materials Science Forum</i> , 0, 626-627, 435-440.	0.3	1
173	Flexible fixturing system design based on a family of novel parallel robots. , 2009, , .		1
174	KINEMATIC ANALYSIS AND DESIGN FOR A 4URHU-1URHR PARALLEL KINEMATIC POLISHING MACHINE. , 2010, , .		1
175	Parametric Optimal Design of Robot End-Effector Tool for Robot-Assisted Automatic Polishing System. <i>Key Engineering Materials</i> , 0, 450, 333-336.	0.4	1
176	Surface Quality Improvement of Atmospheric Pressure Plasma Polishing (APPP) in Machining of Silicon Ultra-Smooth Surfaces. <i>Journal of Advanced Mechanical Design, Systems and Manufacturing</i> , 2012, 6, 464-471.	0.3	1
177	Bone-remodeling of lower-leg or foot for orthopedic osteotomy with external fixators. , 2015, , .		1
178	Mobility analysis of a family of one-dimensional deployable mechanisms based on Sarrus mechanism. , 2016, , .		1
179	Design of Control System for Vibration Isolation Platform Based on Parallel Mechanism. , 2017, , .		1
180	Design of a Locking-Release Device Using Shape Memory Alloy. , 2018, , .		1

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181	A Shape-Adaptive Mechanism with SMP Jointed Panels-Preliminary Study. , 2018, , .		1
182	Accuracy Adjustment Method of Cable Net Surface for Large Space Deployable Antenna*. , 2018, , .		1
183	A Novel Three Degree-of-Freedoms Tension-Amplifying Cable-Driven Parallel Mechanism for Shoulder Joint. , 2018, , .		1
184	SMA-actuated Morphing Wing with Varying Spanwise Curvature and SweptAngle*. , 2019, , .		1
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