

K H Low

List of Publications by Year in descending order

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204
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206
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206
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2051
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear Velocity-Free Visual Servoing Control for Unmanned Helicopter Landing on a Ship With Visibility Constraint. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2979-2993.	9.3	17
2	Severity assessment of aircraft engine fan blades under airborne collision of unmanned aerial vehicles comparable to bird strike certification standards. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 1817-1835.	1.3	7
3	Homography-Based Visual Servoing for Underactuated VTOL UAVs Tracking a 6-DOF Moving Ship. IEEE Transactions on Vehicular Technology, 2022, 71, 2385-2398.	6.3	4
4	A Study on Circulation Strength Decay Over Time of Quadrotor Wake Using Large Eddy Simulation. , 2022, , .		2
5	Investigation of Using Sky Openness Ratio as Predictor for Navigation Performance in Urban-like Environment to Support PBN in UTM. Sensors, 2022, 22, 840.	3.8	10
6	Crash Area Estimation for Ground Risk of Small Unmanned Aerial Vehicles Due to Propulsion System Failures.. , 2022, , .		5
7	Numerical Investigation on Influence of Fuselage on Multirotor Wake Vortex Structures in Forward Flight. , 2022, , .		1
8	Discrete space-based route planning for rotary-wing UAV formation in urban environments. ISA Transactions, 2022, 129, 243-259.	5.7	8
9	Numerical studies on modeling the near- and far-field wake vortex of a quadrotor in forward flight. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 1166-1183.	1.3	5
10	UAV path optimization with an integrated cost assessment model considering third-party risks in metropolitan environments. Reliability Engineering and System Safety, 2022, 222, 108399.	8.9	35
11	Initial Reliability Assessment of a Commercial-Off-The-Shelf GPS Sensor for Generic UAVs. , 2022, , .		2
12	Preliminary Environmental Risk Consideration for Small UAV Ground Risk Mapping. , 2022, , .		1
13	A Preliminary Study on Uaaas Vertical NSE Analysis in Urban-Like Environments. , 2022, , .		3
14	A Simulation-Based Study on the Impact of Tracking Performance on UTM Flight Safety. , 2022, , .		3
15	Adaptive conflict resolution for multi-UAV 4D routes optimization using stochastic fractal search algorithm. Transportation Research Part C: Emerging Technologies, 2022, 139, 103666.	7.6	11
16	Route Coordination of UAV Fleet to Track a Ground Moving Target in Search and Lock (SAL) Task Over Urban Airspace. IEEE Internet of Things Journal, 2022, 9, 20604-20619.	8.7	7
17	Safety-Focused Framework for Enabling UAS Traffic Management in Urban Environment. , 2022, , .		2
18	Environmental Data Analytics for Safe Drone Operations in Low-Altitude Urban Environments. , 2022, , .		1

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19	Preliminary Study on Drone Navigation in Urban Environments using Visual Odometry and Partially Observable Monte Carlo Planning. , 2022, , .		0
20	Spatiotemporal Population Movement for Ground Risk of Unmanned Aerial Vehicles (UAVs) in Urbanized Environments using Public Transportation Data. , 2022, , .		1
21	Investigation of Flight Technical Error for UAV Separation Requirement Based on Flight Trajectory Data. , 2022, , .		1
22	Preliminary Damage Severity Evaluation of Ground Vehicles and Covered Walkways under Collision with a Small Unmanned Aerial Vehicle (sUAV). , 2022, , .		1
23	Conflict-Free Trajectory Planning for Urban Air Mobility Based on an Airspace-Resource-Centric Approach. , 2022, , .		0
24	Multiple air route crossing waypoints optimization via artificial potential field method. Chinese Journal of Aeronautics, 2021, 34, 279-292.	5.3	19
25	An Adaptive Path Replanning Method for Coordinated Operations of Drone in Dynamic Urban Environments. IEEE Systems Journal, 2021, 15, 4600-4611.	4.6	26
26	Preliminary Study of Transport Pattern and Demand in Singapore for Future Urban Air Mobility. , 2021, , .		2
27	Framework for the Estimation of Safe Wake Separation Distance between Same-Track Multi-Rotor UAS. , 2021, , .		3
28	Public acceptance of drone applications in a highly urbanized environment. Technology in Society, 2021, 64, 101462.	9.4	37
29	Collision Severity Evaluation of Generalized Unmanned Aerial Vehicles (UAVs) Impacting on Aircraft Engines. , 2021, , .		2
30	UAV airborne collision to manned aircraft engine: Damage of fan blades and resultant thrust loss. Aerospace Science and Technology, 2021, 113, 106645.	4.8	19
31	Adaptive Control of Unmanned Quadrotor with Partial Actuator Failure using Model Reference Adaptive Control (MRAC) with Dynamic Inversion. , 2021, , .		4
32	Preliminary UAS Navigation Performance Analysis in Urban-like Environments. , 2021, , .		3
33	Swarm-Based 4D Path Planning For Drone Operations in Urban Environments. IEEE Transactions on Vehicular Technology, 2021, 70, 7464-7479.	6.3	40
34	3D path planning and real-time collision resolution of multirotor drone operations in complex urban low-altitude airspace. Transportation Research Part C: Emerging Technologies, 2021, 129, 103123.	7.6	23
35	Software-in-the-loop investigation of wake-vortex-encounter-response of identical multirotor pair with PX4 attitude controller. Aerospace Science and Technology, 2021, 117, 106967.	4.8	9
36	Trajectory-based flight scheduling for AirMetro in urban environments by conflict resolution. Transportation Research Part C: Emerging Technologies, 2021, 131, 103355.	7.6	7

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37	Image-Based Visual Servoing of Rotorcrafts to Planar Visual Targets of Arbitrary Orientation. IEEE Robotics and Automation Letters, 2021, 6, 7861-7868.	5.1	10
38	Structure-Controlled Variable Stiffness Robotic Joint Based on Multiple Rotary Flexure Hinges. IEEE Transactions on Industrial Electronics, 2021, 68, 12452-12461.	7.9	20
39	Preliminary Investigation of Wake Vortex Generated by Spinning Quadrotor Propellers Using Overset Mesh. , 2021, , .		2
40	Airborne collision severity study on engine ingestion caused by harmless-categorized drones. , 2021, , .		2
41	Investigation and Modeling of Flight Technical Error (FTE) Associated With UAS Operating With and Without Pilot Guidance. IEEE Transactions on Vehicular Technology, 2021, 70, 12389-12401.	6.3	12
42	Conflict-free four-dimensional path planning for urban air mobility considering airspace occupancy. Aerospace Science and Technology, 2021, 119, 107154.	4.8	42
43	Initial Feasibility Study of Multi-rotor eVTOL Aircraft for Cross-border Urban Air Mobility between Singapore and Neighbouring Countries. , 2021, , .		0
44	Framework of Level-of-Autonomy-based Concept of Operations: UAS Capabilities. , 2021, , .		3
45	Adaptive Output-Feedback Image-Based Visual Servoing for Quadrotor Unmanned Aerial Vehicles. IEEE Transactions on Control Systems Technology, 2020, 28, 1034-1041.	5.2	36
46	Preliminary Evaluation of Thrust Loss in Commercial Aircraft Engine due to Airborne Collision with Unmanned Aerial Vehicles (UAVs). , 2020, , .		4
47	Three-dimensional (3D) Monte-Carlo modeling for UAS collision risk management in restricted airport airspace. Aerospace Science and Technology, 2020, 105, 105964.	4.8	24
48	Risk Assessment Model for UAV Cost-Effective Path Planning in Urban Environments. IEEE Access, 2020, 8, 150162-150173.	4.2	52
49	Collision probability between intruding drone and commercial aircraft in airport restricted area based on collision-course trajectory planning. Transportation Research Part C: Emerging Technologies, 2020, 120, 102736.	7.6	16
50	A Concept of Airspace Configuration and Operational Rules for UAS in Current Airspace. , 2020, , .		24
51	Feasibility of mercury (II) ion removal by nitrated polycarbonate derived from waste optical discs. International Journal of Environmental Science and Technology, 2020, 17, 4161-4170.	3.5	4
52	A Risk-based UAS Traffic Network Model for Adaptive Urban Airspace Management. , 2020, , .		17
53	Airborne Collision Evaluation between Drone and Aircraft Engine: Effects of Position and Posture on Damage of Fan Blades. , 2020, , .		11
54	Data Analysis on Track Deviation of UAS Operating under Visual Line of Sight (VLoS) Condition. , 2020, , .		3

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55	UAV Trajectory Estimation and Deviation Analysis for Contingency Management in Urban Environments. , 2020, , .		12
56	Transition Optimization for a VTOL Tail-Sitter UAV. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2534-2545.	5.8	36
57	Cooperative Path Planning for Heterogeneous Unmanned Vehicles in a Search-and-Track Mission Aiming at an Underwater Target. IEEE Transactions on Vehicular Technology, 2020, 69, 6782-6787.	6.3	95
58	Future Demand and Optimum Distribution of Droneports. , 2020, , .		1
59	Accessibility Analysis of Unmanned Aerial Vehicles Near Airports with a Four-Dimensional Airspace Management Concept. , 2020, , .		5
60	Collision risk management for non-cooperative UAS traffic in airport-restricted airspace with alert zones based on probabilistic conflict map. Transportation Research Part C: Emerging Technologies, 2019, 109, 19-39.	7.6	32
61	Three-dimensional (3D) Dynamic Obstacle Perception in a Detect-and-Avoid Framework for Unmanned Aerial Vehicles. , 2019, , .		7
62	Evolutionary Optimization-based Mission Planning for UAS Traffic Management (UTM). , 2019, , .		31
63	Collision Risk Assessment between UAS and Landing Aircraft in Restricted Airspace Surrounding an Airport using 3D Monte-Carlo Simulation. , 2019, , .		3
64	Output Feedback Image-Based Visual Servoing of Rotorcrafts. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 93, 277-287.	3.4	7
65	A Variable Stiffness Robotic Gripper Based on Structure-Controlled Principle. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1104-1113.	5.2	26
66	Preliminary Concept of Adaptive Urban Airspace Management for Unmanned Aircraft Operations. , 2018, , .		24
67	Mechanism design and kinematic analysis of a robotic manipulator driven by joints with two degrees of freedom (DOF). Industrial Robot, 2018, 45, 34-43.	2.1	5
68	Editorial: Biomechatronics: Harmonizing Mechatronic Systems With Human Beings. Frontiers in Neuroscience, 2018, 12, 768.	2.8	2
69	Design and Evaluation of an Underactuated Adaptive Finger for Parallel Grippers. , 2018, , .		3
70	A Path Planning Algorithm for Smooth Trajectories of Unmanned Aerial Vehicles via Potential Fields. , 2018, , .		4
71	Impact of Sensors on Collision Risk Prediction for Non-Cooperative Traffic in Terminal Airspace. , 2018, , .		5
72	Preliminary 4.5G Cellular Network Assessment with Calibrated Standard Propagation Model (SPM) for uTM-UAS Operations in Singapore Airspace. , 2018, , .		4

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73	RESEARCH AND DEVELOPMENT TRENDS IN ROBOT-ASSISTED WALKING REHABILITATION INCORPORATING POSTURAL BALANCING. , 2018, , 43-67.		0
74	Dynamic Visual Servoing of a Rotary-wing Unmanned Aerial Vehicle Without Velocity Measurement. , 2017, , .		4
75	Concept of Operations (ConOps) for Traffic Management of Unmanned Aircraft Systems (TM-UAS) in Urban Environment. , 2017, , .		12
76	Adaptive Visual Servoing of Unmanned Aerial Vehicles in GPS-Denied Environments. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2554-2563.	5.8	39
77	Issues of safety and risk management for unmanned aircraft operations in urban airspace. , 2017, , .		0
78	An initial parametric study of weight and energy thresholds for falling unmanned aerial vehicles (UAVs). , 2017, , .		4
79	Innovations in Infrastructure Service Robots. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2016, , 3-16.	0.6	7
80	Strategy-based robotic item picking from shelves. , 2016, , .		14
81	Locomotion and gait analysis of multi-limb soft robots driven by smart actuators. , 2016, , .		9
82	A starfish robot based on soft and smart modular structure (SMS) actuated by SMA wires. Bioinspiration and Biomimetics, 2016, 11, 056012.	2.9	64
83	Ground Stereo Vision-Based Navigation for Autonomous Take-off and Landing of UAVs: A Chan-Vese Model Approach. International Journal of Advanced Robotic Systems, 2016, 13, 67.	2.1	32
84	Autonomous Formation Flight of Indoor UAVs Based on Model Predictive Control. , 2016, , .		6
85	DESIGN AND GAIT ANALYSIS OF A TORTOISE-LIKE ROBOT WITH SOFT LIMBS. , 2015, , .		3
86	Perspectives on biologically inspired hybrid and multi-modal locomotion. Bioinspiration and Biomimetics, 2015, 10, 020301.	2.9	68
87	A flexible fixtureless assembly of T-joint frame structures. , 2015, , .		1
88	Biorobotics with Hybrid and Multimodal Locomotion [TC Spotlight]. IEEE Robotics and Automation Magazine, 2015, 22, 29-181.	2.0	2
89	Design and control of robotic exoskeleton with balance stabilizer mechanism. , 2015, , .		16
90	Bio-inspired flow sensing and prediction for fish-like undulating locomotion: A CFD-aided approach. Journal of Bionic Engineering, 2015, 12, 406-417.	5.0	25

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91	Recent Development and Trends of Clinical-Based Gait Rehabilitation Robots. Springer Tracts in Advanced Robotics, 2015, , 41-75.	0.4	11
92	BALANCE ANALYSIS AND OPTIMAL POSTURE ESTIMATION DURING ASSISTED WALKING. , 2015, , .		1
93	An optimized perching mechanism for autonomous perching with a quadrotor. , 2014, , .		26
94	Effective Phase Tracking for Bioinspired Undulations of Robotic Fish Models: A Learning Control Approach. IEEE/ASME Transactions on Mechatronics, 2014, 19, 191-200.	5.8	71
95	An individual-specific gait pattern prediction model based on generalized regression neural networks. Gait and Posture, 2014, 39, 443-448.	1.4	53
96	On-line Optimization of Biomimetic Undulatory Swimming by an Experiment-based Approach. Journal of Bionic Engineering, 2014, 11, 213-225.	5.0	26
97	Gait study and pattern generation of a starfish-like soft robot with flexible rays actuated by SMAs. Journal of Bionic Engineering, 2014, 11, 400-411.	5.0	102
98	Design and Implementation of a Lightweight Bioinspired Pectoral Fin Driven by SMA. IEEE/ASME Transactions on Mechatronics, 2014, 19, 1773-1785.	5.8	43
99	Evaluation of graspable region and selection of footholds for biped pole-climbing robots. , 2014, , .		3
100	Selective Laser Melting of Density Graded Ti6Al4V. , 2014, , .		1
101	Detection of abnormal muscle activations during walking following spinal cord injury (SCI). Research in Developmental Disabilities, 2013, 34, 1226-1235.	2.2	20
102	A Three-Dimensional Kinematics Analysis of a Koi Carp Pectoral Fin by Digital Image Processing. Journal of Bionic Engineering, 2013, 10, 210-221.	5.0	15
103	Survey and Introduction to the Focused Section on Bio-Inspired Mechatronics. IEEE/ASME Transactions on Mechatronics, 2013, 18, 409-418.	5.8	35
104	Parametric Study of an Underwater Finned Propulsor Inspired by Bluespotted Ray. Journal of Bionic Engineering, 2012, 9, 166-176.	5.0	23
105	Design and Locomotion Control of a Biomimetic Underwater Vehicle With Fin Propulsion. IEEE/ASME Transactions on Mechatronics, 2012, 17, 25-35.	5.8	231
106	Special Issue on Focused Areas and Future Trends of Bio-Inspired Robots –Analysis, Control, and Design for Bio-Inspired Robotics–. Journal of Robotics and Mechatronics, 2012, 24, 559-560.	1.0	3
107	Review and Fin Structure Design for Robotic Manta Ray (RoMan IV). Journal of Robotics and Mechatronics, 2012, 24, 620-628.	1.0	12
108	A Bio-Inspired Adaptive Perching Mechanism for Unmanned Aerial Vehicles. Journal of Robotics and Mechatronics, 2012, 24, 642-648.	1.0	13

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109	Modeling and control on hysteresis nonlinearity in biomimetic undulating fins. , 2011, , .		0
110	Subject-specific gait parameters prediction for robotic gait rehabilitation via generalized regression neural network. , 2011, , .		8
111	Synchronized walking coordination for impact-less footpad contact of an overground gait rehabilitation system: NaTUre-gaits. , 2011, 2011, 5975353.		10
112	Optimization of swimming locomotion for fish robots with multi-actuation. , 2011, , .		2
113	Posture analysis and application of a bionic pectoral foil. , 2011, , .		6
114	Current and future trends of biologically inspired underwater vehicles. , 2011, , .		19
115	Robot-assisted gait rehabilitation: From exoskeletons to gait systems. , 2011, , .		63
116	Improvement and testing of a robotic manta ray (RoMan-III). , 2011, , .		20
117	Subject-oriented overground walking pattern generation on a rehabilitation robot based on foot and pelvic trajectories. Procedia IUTAM, 2011, 2, 109-127.	1.2	4
118	Initial System Evaluation of an Overground Rehabilitation Gait Training Robot (NaTUre-gaits). Advanced Robotics, 2011, 25, 1927-1948.	1.8	25
119	Subject-specific lower limb waveforms planning via artificial neural network. , 2011, 2011, 5975491.		11
120	Effects of ground contact for overground walking on a robotic gait trainer. , 2011, , .		3
121	Clinical-Based Engineering Assessment and Data Interpretation of Hand Strength for Task-Oriented Robotic Rehabilitation. Advanced Robotics, 2011, 25, 1991-2018.	1.8	3
122	Modulation of weight off-loading level over body-weight supported locomotion training. , 2011, 2011, 5975354.		5
123	Clinical-Based, Task-Specific and Subject-Oriented Approaches Essential to Effective Robotics Rehabilitation. Advanced Robotics, 2011, 25, 1851-1855.	1.8	0
124	A subject-based motion generation model with adjustable walking pattern for a gait robotic trainer: NaTUre-gaits. , 2011, , .		16
125	A PERFORMANCE PREDICTIVE MODEL FOR STEADY SWIMMING OF A FISH ROBOT. International Journal of Humanoid Robotics, 2011, 08, 185-203.	1.1	2
126	Modeling and control of a piezo-actuated high-dynamic compensation mechanism for industrial robots. , 2011, , .		3

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127	A subject-based motion generation model with adjustable walking pattern for a gait robotic trainer: NaTUre-gaits. , 2011, , .		1
128	Natural gait parameters prediction for gait rehabilitation via artificial neural network. , 2010, , .		19
129	Performance study of a fish robot propelled by a flexible caudal fin. , 2010, , .		25
130	Kinematic modeling framework for biomimetic undulatory fin motion based on coupled nonlinear oscillators. , 2010, , .		9
131	INITIAL STUDY ON A HOME-BASED FLOOR-MAT SYSTEM FOR FALL PREVENTION OF ELDERLY BASED ON GAIT ANALYSIS. International Journal of Information Acquisition, 2010, 07, 135-149.	0.2	1
132	An improved semi-empirical model for a body and/or caudal fin (BCF) fish robot. , 2010, , .		4
133	Parametric study of the swimming performance of a fish robot propelled by a flexible caudal fin. Bioinspiration and Biomimetics, 2010, 5, 046002.	2.9	85
134	Effects of body-weight support locomotion training (BWSLT) on EMG activation in healthy and spinal cord injury (SCI) subjects. , 2010, , .		3
135	Study and implementation of station-holding performance on a fish robot in adverse unsteady flow. , 2010, , .		2
136	Comprehensive planning of robotic therapy and assessment of task-oriented functions via improved QFD applicable to hand rehabilitation. , 2010, , .		7
137	Pelvic control and over-ground walking methodology for impaired gait recovery. , 2009, , .		13
138	Effective Gait planning for robotic rehabilitation - From normal gait study to application in clinical rehabilitation. , 2009, , .		5
139	Electromyography analysis for pre-clinical trials of hand rehabilitation tasks using design of experiments. , 2009, , .		4
140	Comprehensive signal interpretation of functional hand strength for activities of daily living (ADL) rehabilitation via multivariate data analysis (MVA). , 2009, , .		1
141	Rehabilitation control strategies for a gait robot via EMG evaluation. , 2009, , .		17
142	An analytical approach for better swimming efficiency of slender fish robots based on Lighthill's model. , 2009, , .		7
143	Non-jamming conditions in multi-contact rigid-body dynamics. Multibody System Dynamics, 2009, 22, 269-295.	2.7	12
144	Bionic asymmetry: from amiiform fish to undulating robotic fins. Science Bulletin, 2009, 54, 562-568.	1.7	18

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145	Gait Planning for Steady Swimming Control of Biomimetic Fish Robots. <i>Advanced Robotics</i> , 2009, 23, 805-829.	1.8	35
146	Initial home-based foot-mat design & analysis of bio-gait characteristics to prevent fall in elderly people. , 2009, , .		4
147	Gait planning for effective rehabilitation - From gait study to application in clinical rehabilitation. , 2009, , .		12
148	Locomotion planning of biomimetic robotic fish with multi-joint actuation. , 2009, , .		5
149	Qualitative evaluations of gait rehabilitation via EMG muscle activation pattern: Repetition, symmetry, and smoothness. , 2009, , .		16
150	Initial analysis of EMG signals of hand functions associated to rehabilitation tasks. , 2009, , .		11
151	A multi-disciplinary approach for effective hand rehabilitation with clinical-based assessment outcomes. , 2009, , .		4
152	Objective and quantitative assessment methodology of hand functions for rehabilitation. , 2009, , .		13
153	Performance predict model for a body and caudal fin (BCF) biomimetics fish robot. , 2009, , .		5
154	Robust gait control for steady swimming of a carangiform fish robot. , 2009, , .		7
155	Numerical and Experimental Research on Modular Oscillating Fin. <i>Journal of Bionic Engineering</i> , 2008, 5, 13-23.	5.0	12
156	LEARNING FROM GYMNOTIFORM SWIMMERS â€™ DESIGN AND IMPLEMENTATION OF ROBOTIC KNIFEFISH NKF-II. <i>International Journal of Information Acquisition</i> , 2008, 05, 137-147.	0.2	7
157	Initial analysis and design of an assistive rehabilitation hand device with free loading and fingers motion visible to subjects. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics</i> , 2008, , .	0.0	14
158	A bilateral teleoperation controller considering the transition between the free space motion and the constrained motion. <i>Robotica</i> , 2008, 26, 781-790.	1.9	7
159	A Transparent Bilateral Controller for Teleoperation Considering the Transition of Motion. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007, , .	0.0	0
160	Biomimetic Design and Workspace Study of Compact and Modular Undulating Fin Body Segments. , 2007, , .		12
161	MANEUVERING OF BIOMIMETIC FISH BY INTEGRATING A BUOYANCY BODY WITH MODULAR UNDULATING FINS. <i>International Journal of Humanoid Robotics</i> , 2007, 04, 671-695.	1.1	7
162	Virtual circle mapping for masterâ€™slave hand systems. <i>Advanced Robotics</i> , 2007, 21, 183-208.	1.8	3

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163	Parametric Study of Modular and Reconfigurable Robotic Fish with Oscillating Caudal Fin Mechanisms. , 2007, , .		7
164	Computational Study on Posture Control of Shape Memory Alloy Biomimetic Pectoral Fin. , 2007, , .		2
165	Mechatronics and buoyancy implementation of robotic fish swimming with modular fin mechanisms. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2007, 221, 295-309.	1.0	13
166	Thermosensitive Splicing of a Clock Gene and Seasonal Adaptation. Cold Spring Harbor Symposia on Quantitative Biology, 2007, 72, 599-606.	1.1	24
167	Morphologic Optimal Design of Bionic Undulating Fin Based on Computational Fluid Dynamics. , 2007, , .		5
168	Modular design and initial gait study of an amphibian robotic turtle. , 2007, , .		25
169	Development of modular and reconfigurable biomimetic robotic fish with undulating fin. , 2007, , .		10
170	Design and Initial Testing of a Single-Motor-Driven Spatial Pectoral Fin Mechanism. , 2007, , .		5
171	Computational research on modular undulating fin for biorobotic underwater propulsor. Journal of Bionic Engineering, 2007, 4, 25-32.	5.0	39
172	On the Position/Force Control of Robot Manipulators with Model Uncertainty and Random Disturbances. , 2006, , .		2
173	Locomotive Control of a Wearable Lower Exoskeleton for Walking Enhancement. JVC/Journal of Vibration and Control, 2006, 12, 1311-1336.	2.6	48
174	Reference Trajectory Generation for Force Tracking Impedance Control by Using Neural Network-based Environment Estimation. , 2006, , .		13
175	Design and Implementation of NTU Wearable Exoskeleton as an Enhancement and Assistive Device. Applied Bionics and Biomechanics, 2006, 3, 209-225.	1.1	8
176	Locomotion and depth control of robotic fish with modular undulating fins. International Journal of Automation and Computing, 2006, 3, 348-357.	4.5	40
177	A Computational Fluid Dynamics (CFD) analysis of an undulatory mechanical fin driven by shape memory alloy. International Journal of Automation and Computing, 2006, 3, 374-381.	4.5	29
178	Combined Impedance/Direct Control of Robot Manipulators. , 2006, , .		4
179	Locomotion Consideration and Implementation of Robotic Fish with Modular Undulating Fins: Analysis and Experimental Study. , 2006, , .		16
180	Initial Prototype Design and Investigation of an Undulating Body by SMA. , 2006, , .		19

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181	Maneuvering and Buoyancy Control of Robotic Fish Integrating with Modular Undulating Fins. , 2006, , .		4
182	Biomimetic Motion Planning of an Undulating Robotic Fish Fin. JVC/Journal of Vibration and Control, 2006, 12, 1337-1359.	2.6	136
183	Initial Research on Development of a Flexible Pectoral Fin Using Shape Memory Alloy. , 2006, , .		5
184	MODELING AND MOTION CONTROL OF ROBOTIC HAND FOR TELEMANIPULATION APPLICATION. International Journal of Software Engineering and Knowledge Engineering, 2005, 15, 147-152.	0.8	3
185	Kinematic modeling, mobility analysis and design of wheeled mobile robots. Advanced Robotics, 2005, 19, 73-99.	1.8	20
186	Two-Dimensional Modeling of Multilayer Multimaterial Circuit Boards by Using an EQLAM Multilayer Model. , 2005, , .		0
187	Quick Evaluation of Crashworthiness for Nonlinear Damped Systems by Using an Analytical Linearization Method. , 2005, , .		0
188	Damage Analysis of Multilayer Multimaterial Circuit Boards by Using a Bi-Phase Multilayer Model. , 2005, , .		0
189	Initial Modeling and Locomotion Study of an Omni-Directional Rover. , 2005, , .		0
190	A virtual boundary model for a quick dropâ€‘impact analysis of electronic components in TV model. Advances in Engineering Software, 2004, 35, 537-551.	3.8	4
191	Frequencies of beams carrying multiple masses: Rayleigh estimation versus eigenanalysis solutions. Journal of Sound and Vibration, 2003, 268, 843-853.	3.9	17
192	Terrain-evaluation-based motion planning for legged locomotion on irregular terrain. Advanced Robotics, 2003, 17, 761-778.	1.8	4
193	On the methods to derive frequency equations of beams carrying multiple masses. International Journal of Mechanical Sciences, 2001, 43, 871-881.	6.7	32
194	A comparative study of the eigenvalue solutions for mass-loaded beams under classical boundary conditions. International Journal of Mechanical Sciences, 2001, 43, 237-244.	6.7	16
195	Terrain evaluation and its application to path planning for walking machines. Advanced Robotics, 2001, 15, 729-748.	1.8	26
196	An efficient foot-force distribution algorithm for quadruped walking robots. Robotica, 2000, 18, 403-413.	1.9	34
197	Combined use of equivalent center mass and stiffness factors to better estimate frequencies of mass loaded plates. Advances in Engineering Software, 2000, 31, 295-302.	3.8	2
198	Quadruped Free Gait Generation Based on the Primary/Secondary Gait. Robotica, 1999, 17, 405-412.	1.9	26

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200	Comparative Study of Frequencies for Plates Carrying Mass. Journal of Engineering Mechanics - ASCE, 1993, 119, 917-937.	2.9	7
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