

K H Low

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

163
papers

2,012
citations

22
h-index

36
g-index

206
ext. papers

2,685
ext. citations

3.3
avg, IF

5.51
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 163 | UAV path optimization with an integrated cost assessment model considering third-party risks in metropolitan environments. <i>Reliability Engineering and System Safety</i> , 2022 , 222, 108399 | 6.3 | 2 |
| 162 | Adaptive conflict resolution for multi-UAV 4D routes optimization using stochastic fractal search algorithm. <i>Transportation Research Part C: Emerging Technologies</i> , 2022 , 139, 103666 | 8.4 | 0 |
| 161 | Route coordination of UAV fleet to track a ground moving target in search and lock (SAL) task over urban airspace. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1 | 10.7 | 0 |
| 160 | Homography-based Visual Servoing for Underactuated VTOL UAVs Tracking a 6-DOF Moving Ship. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1 | 6.8 | 0 |
| 159 | Investigation and Modeling of Flight Technical Error (FTE) Associated With UAS Operating With and Without Pilot Guidance. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1 | 6.8 | 1 |
| 158 | Conflict-free four-dimensional path planning for urban air mobility considering airspace occupancy. <i>Aerospace Science and Technology</i> , 2021 , 107154 | 4.9 | 7 |
| 157 | UAV airborne collision to manned aircraft engine: Damage of fan blades and resultant thrust loss. <i>Aerospace Science and Technology</i> , 2021 , 113, 106645 | 4.9 | 8 |
| 156 | Multiple air route crossing waypoints optimization via artificial potential field method. <i>Chinese Journal of Aeronautics</i> , 2021 , 34, 279-292 | 3.7 | 4 |
| 155 | An Adaptive Path Replanning Method for Coordinated Operations of Drone in Dynamic Urban Environments. <i>IEEE Systems Journal</i> , 2021 , 15, 4600-4611 | 4.3 | 11 |
| 154 | Framework for the Estimation of Safe Wake Separation Distance between Same-Track Multi-Rotor UAS 2021 , | | 1 |
| 153 | Linear Velocity-Free Visual Servoing Control for Unmanned Helicopter Landing on a Ship With Visibility Constraint. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-15 | 7.3 | 5 |
| 152 | Public acceptance of drone applications in a highly urbanized environment. <i>Technology in Society</i> , 2021 , 64, 101462 | 6.3 | 9 |
| 151 | Swarm-Based 4D Path Planning For Drone Operations in Urban Environments. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 7464-7479 | 6.8 | 9 |
| 150 | 3D path planning and real-time collision resolution of multirotor drone operations in complex urban low-altitude airspace. <i>Transportation Research Part C: Emerging Technologies</i> , 2021 , 129, 103123 | 8.4 | 2 |
| 149 | Software-in-the-loop investigation of wake-vortex-encounter-response of identical multirotor pair with PX4 attitude controller. <i>Aerospace Science and Technology</i> , 2021 , 117, 106967 | 4.9 | 0 |
| 148 | Trajectory-based flight scheduling for AirMetro in urban environments by conflict resolution. <i>Transportation Research Part C: Emerging Technologies</i> , 2021 , 131, 103355 | 8.4 | 3 |
| 147 | Image-Based Visual Servoing of Rotorcrafts to Planar Visual Targets of Arbitrary Orientation. <i>IEEE Robotics and Automation Letters</i> , 2021 , 6, 7861-7868 | 4.2 | 3 |

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| 146 | Structure-Controlled Variable Stiffness Robotic Joint Based on Multiple Rotary Flexure Hinges. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 12452-12461 | 8.9 | 2 |
| 145 | Preliminary Investigation of Wake Vortex Generated by Spinning Quadrotor Propellers Using Overset Mesh 2021 , | | 1 |
| 144 | Airborne collision severity study on engine ingestion caused by harmless-categorized drones 2021 , | | 1 |
| 143 | Feasibility of mercury (II) ion removal by nitrated polycarbonate derived from waste optical discs. <i>International Journal of Environmental Science and Technology</i> , 2020 , 17, 4161-4170 | 3.3 | 0 |
| 142 | A Risk-based UAS Traffic Network Model for Adaptive Urban Airspace Management 2020 , | | 3 |
| 141 | Airborne Collision Evaluation between Drone and Aircraft Engine: Effects of Position and Posture on Damage of Fan Blades 2020 , | | 5 |
| 140 | Data Analysis on Track Deviation of UAS Operating under Visual Line of Sight (VLoS) Condition 2020 , | | 2 |
| 139 | UAV Trajectory Estimation and Deviation Analysis for Contingency Management in Urban Environments 2020 , | | 3 |
| 138 | Transition Optimization for a VTOL Tail-Sitter UAV. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 25, 2534-2545 | 5.5 | 16 |
| 137 | Cooperative Path Planning for Heterogeneous Unmanned Vehicles in a Search-and-Track Mission Aiming at an Underwater Target. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 6782-6787 | 6.8 | 45 |
| 136 | Preliminary Evaluation of Thrust Loss in Commercial Aircraft Engine due to Airborne Collision with Unmanned Aerial Vehicles (UAVs) 2020 , | | 1 |
| 135 | Three-dimensional (3D) Monte-Carlo modeling for UAS collision risk management in restricted airport airspace. <i>Aerospace Science and Technology</i> , 2020 , 105, 105964 | 4.9 | 9 |
| 134 | Risk Assessment Model for UAV Cost-Effective Path Planning in Urban Environments. <i>IEEE Access</i> , 2020 , 8, 150162-150173 | 3.5 | 14 |
| 133 | Collision probability between intruding drone and commercial aircraft in airport restricted area based on collision-course trajectory planning. <i>Transportation Research Part C: Emerging Technologies</i> , 2020 , 120, 102736 | 8.4 | 5 |
| 132 | A Concept of Airspace Configuration and Operational Rules for UAS in Current Airspace 2020 , | | 3 |
| 131 | Adaptive Output-Feedback Image-Based Visual Servoing for Quadrotor Unmanned Aerial Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , 2020 , 28, 1034-1041 | 4.8 | 14 |
| 130 | Three-dimensional (3D) Dynamic Obstacle Perception in a Detect-and-Avoid Framework for Unmanned Aerial Vehicles 2019 , | | 4 |
| 129 | Evolutionary Optimization-based Mission Planning for UAS Traffic Management (UTM) 2019 , | | 15 |

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| 128 | Collision Risk Assessment between UAS and Landing Aircraft in Restricted Airspace Surrounding an Airport using 3D Monte-Carlo Simulation 2019 , | | 2 |
| 127 | Collision risk management for non-cooperative UAS traffic in airport-restricted airspace with alert zones based on probabilistic conflict map. <i>Transportation Research Part C: Emerging Technologies</i> , 2019 , 109, 19-39 | 8.4 | 13 |
| 126 | Output Feedback Image-Based Visual Servoing of Rotorcrafts. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2019 , 93, 277-287 | 2.9 | 5 |
| 125 | A Variable Stiffness Robotic Gripper Based on Structure-Controlled Principle. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018 , 15, 1104-1113 | 4.9 | 16 |
| 124 | Preliminary Concept of Adaptive Urban Airspace Management for Unmanned Aircraft Operations 2018 , | | 10 |
| 123 | RESEARCH AND DEVELOPMENT TRENDS IN ROBOT-ASSISTED WALKING REHABILITATION INCORPORATING POSTURAL BALANCING 2018 , 43-67 | | |
| 122 | Mechanism design and kinematic analysis of a robotic manipulator driven by joints with two degrees of freedom (DOF). <i>Industrial Robot</i> , 2018 , 45, 34-43 | 1.4 | 4 |
| 121 | Design and Evaluation of an Underactuated Adaptive Finger for Parallel Grippers 2018 , | | 1 |
| 120 | A Path Planning Algorithm for Smooth Trajectories of Unmanned Aerial Vehicles via Potential Fields 2018 , | | 3 |
| 119 | Impact of Sensors on Collision Risk Prediction for Non-Cooperative Traffic in Terminal Airspace 2018 , | | 4 |
| 118 | Preliminary 4.5G Cellular Network Assessment with Calibrated Standard Propagation Model (SPM) for uTM-UAS Operations in Singapore Airspace 2018 , | | 3 |
| 117 | Dynamic Visual Servoing of a Rotary-wing Unmanned Aerial Vehicle Without Velocity Measurement 2017 , | | 3 |
| 116 | Concept of Operations (ConOps) for Traffic Management of Unmanned Aircraft Systems (TM-UAS) in Urban Environment 2017 , | | 7 |
| 115 | . <i>IEEE/ASME Transactions on Mechatronics</i> , 2017 , 22, 2554-2563 | 5.5 | 25 |
| 114 | 2017 , | | 2 |
| 113 | A starfish robot based on soft and smart modular structure (SMS) actuated by SMA wires. <i>Bioinspiration and Biomimetics</i> , 2016 , 11, 056012 | 2.6 | 39 |
| 112 | Ground Stereo Vision-Based Navigation for Autonomous Take-off and Landing of UAVs: A Chan-Vese Model Approach. <i>International Journal of Advanced Robotic Systems</i> , 2016 , 13, 67 | 1.4 | 21 |
| 111 | Autonomous Formation Flight of Indoor UAVs Based on Model Predictive Control 2016 , | | 4 |

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|-----|---|-----|----|
| 110 | Innovations in Infrastructure Service Robots. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures, 2016</i> , 3-16 | 0.6 | 4 |
| 109 | Strategy-based robotic item picking from shelves 2016 , | | 11 |
| 108 | Locomotion and gait analysis of multi-limb soft robots driven by smart actuators 2016 , | | 4 |
| 107 | Bio-inspired flow sensing and prediction for fish-like undulating locomotion: A CFD-aided approach. <i>Journal of Bionic Engineering, 2015</i> , 12, 406-417 | 2.7 | 19 |
| 106 | DESIGN AND GAIT ANALYSIS OF A TORTOISE-LIKE ROBOT WITH SOFT LIMBS 2015 , | | 1 |
| 105 | Perspectives on biologically inspired hybrid and multi-modal locomotion. <i>Bioinspiration and Biomimetics, 2015</i> , 10, 020301 | 2.6 | 46 |
| 104 | A flexible fixtureless assembly of T-joint frame structures 2015 , | | 1 |
| 103 | Biorobotics with Hybrid and Multimodal Locomotion [TC Spotlight]. <i>IEEE Robotics and Automation Magazine, 2015</i> , 22, 29-181 | 3.4 | 1 |
| 102 | Design and control of robotic exoskeleton with balance stabilizer mechanism 2015 , | | 12 |
| 101 | Recent Development and Trends of Clinical-Based Gait Rehabilitation Robots. <i>Springer Tracts in Advanced Robotics, 2015</i> , 41-75 | 0.5 | 8 |
| 100 | Gait study and pattern generation of a starfish-like soft robot with flexible rays actuated by SMAs. <i>Journal of Bionic Engineering, 2014</i> , 11, 400-411 | 2.7 | 65 |
| 99 | Design and Implementation of a Lightweight Bioinspired Pectoral Fin Driven by SMA. <i>IEEE/ASME Transactions on Mechatronics, 2014</i> , 19, 1773-1785 | 5.5 | 34 |
| 98 | An optimized perching mechanism for autonomous perching with a quadrotor 2014 , | | 14 |
| 97 | Effective Phase Tracking for Bioinspired Undulations of Robotic Fish Models: A Learning Control Approach. <i>IEEE/ASME Transactions on Mechatronics, 2014</i> , 19, 191-200 | 5.5 | 53 |
| 96 | An individual-specific gait pattern prediction model based on generalized regression neural networks. <i>Gait and Posture, 2014</i> , 39, 443-8 | 2.6 | 40 |
| 95 | On-line Optimization of Biomimetic Undulatory Swimming by an Experiment-based Approach. <i>Journal of Bionic Engineering, 2014</i> , 11, 213-225 | 2.7 | 18 |
| 94 | Detection of abnormal muscle activations during walking following spinal cord injury (SCI). <i>Research in Developmental Disabilities, 2013</i> , 34, 1226-35 | 2.7 | 17 |
| 93 | A Three-Dimensional Kinematics Analysis of a Koi Carp Pectoral Fin by Digital Image Processing. <i>Journal of Bionic Engineering, 2013</i> , 10, 210-221 | 2.7 | 10 |

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| 92 | Design of Control Strategy for Autonomous Perching with a Quadrotor. <i>Applied Mechanics and Materials</i> , 2013 , 461, 506-512 | 0.3 | 1 |
| 91 | Survey and Introduction to the Focused Section on Bio-Inspired Mechatronics. <i>IEEE/ASME Transactions on Mechatronics</i> , 2013 , 18, 409-418 | 5.5 | 31 |
| 90 | Parametric Study of an Underwater Finned Propulsor Inspired by Bluespotted Ray. <i>Journal of Bionic Engineering</i> , 2012 , 9, 166-176 | 2.7 | 20 |
| 89 | Design and Locomotion Control of a Biomimetic Underwater Vehicle With Fin Propulsion. <i>IEEE/ASME Transactions on Mechatronics</i> , 2012 , 17, 25-35 | 5.5 | 180 |
| 88 | Review and Fin Structure Design for Robotic Manta Ray (RoMan IV). <i>Journal of Robotics and Mechatronics</i> , 2012 , 24, 620-628 | 0.7 | 8 |
| 87 | A Bio-Inspired Adaptive Perching Mechanism for Unmanned Aerial Vehicles. <i>Journal of Robotics and Mechatronics</i> , 2012 , 24, 642-648 | 0.7 | 10 |
| 86 | Current and future trends of biologically inspired underwater vehicles 2011 , | | 13 |
| 85 | Robot-assisted gait rehabilitation: From exoskeletons to gait systems 2011 , | | 47 |
| 84 | Improvement and testing of a robotic manta ray (RoMan-III) 2011 , | | 8 |
| 83 | Subject-specific gait parameters prediction for robotic gait rehabilitation via generalized regression neural network 2011 , | | 3 |
| 82 | Synchronized walking coordination for impact-less footpad contact of an overground gait rehabilitation system: NaTUre-gaits. <i>IEEE International Conference on Rehabilitation Robotics</i> , 2011 , 2011, 5975353 | 1.3 | 4 |
| 81 | Optimization of swimming locomotion for fish robots with multi-actuation 2011 , | | 1 |
| 80 | Posture analysis and application of a bionic pectoral foil 2011 , | | 1 |
| 79 | Subject-oriented overground walking pattern generation on a rehabilitation robot based on foot and pelvic trajectories. <i>Procedia IUTAM</i> , 2011 , 2, 109-127 | | 3 |
| 78 | Initial System Evaluation of an Overground Rehabilitation Gait Training Robot (NaTUre-gaits). <i>Advanced Robotics</i> , 2011 , 25, 1927-1948 | 1.7 | 21 |
| 77 | Subject-specific lower limb waveforms planning via artificial neural network. <i>IEEE International Conference on Rehabilitation Robotics</i> , 2011 , 2011, 5975491 | 1.3 | 5 |
| 76 | Effects of ground contact for overground walking on a robotic gait trainer 2011 , | | 2 |
| 75 | Clinical-Based Engineering Assessment and Data Interpretation of Hand Strength for Task-Oriented Robotic Rehabilitation. <i>Advanced Robotics</i> , 2011 , 25, 1991-2018 | 1.7 | 3 |

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| 74 | Modulation of weight off-loading level over body-weight supported locomotion training. <i>IEEE International Conference on Rehabilitation Robotics</i> , 2011 , 2011, 5975354 | 1.3 | 3 |
| 73 | Clinical-Based, Task-Specific and Subject-Oriented Approaches Essential to Effective Robotics Rehabilitation. <i>Advanced Robotics</i> , 2011 , 25, 1851-1855 | 1.7 | |
| 72 | A subject-based motion generation model with adjustable walking pattern for a gait robotic trainer: NaTUre-gaits 2011 , | | 11 |
| 71 | A PERFORMANCE PREDICTIVE MODEL FOR STEADY SWIMMING OF A FISH ROBOT. <i>International Journal of Humanoid Robotics</i> , 2011 , 08, 185-203 | 1.2 | 1 |
| 70 | Natural gait parameters prediction for gait rehabilitation via artificial neural network 2010 , | | 14 |
| 69 | Performance study of a fish robot propelled by a flexible caudal fin 2010 , | | 13 |
| 68 | Kinematic modeling framework for biomimetic undulatory fin motion based on coupled nonlinear oscillators 2010 , | | 5 |
| 67 | INITIAL STUDY ON A HOME-BASED FLOOR-MAT SYSTEM FOR FALL PREVENTION OF ELDERLY BASED ON GAIT ANALYSIS. <i>International Journal of Information Acquisition</i> , 2010 , 07, 135-149 | | 1 |
| 66 | An improved semi-empirical model for a body and/or caudal fin (BCF) fish robot 2010 , | | 3 |
| 65 | Parametric study of the swimming performance of a fish robot propelled by a flexible caudal fin. <i>Bioinspiration and Biomimetics</i> , 2010 , 5, 046002 | 2.6 | 67 |
| 64 | Effects of body-weight support locomotion training (BWSLT) on EMG activation in healthy and spinal cord injury (SCI) subjects 2010 , | | 2 |
| 63 | Comprehensive planning of robotic therapy and assessment of task-oriented functions via improved QFD applicable to hand rehabilitation 2010 , | | 5 |
| 62 | Pelvic control and over-ground walking methodology for impaired gait recovery 2009 , | | 7 |
| 61 | Effective Gait planning for robotic rehabilitation - From normal gait study to application in clinical rehabilitation 2009 , | | 4 |
| 60 | Electromyography analysis for pre-clinical trials of hand rehabilitation tasks using design of experiments 2009 , | | 3 |
| 59 | Comprehensive signal interpretation of functional hand strength for activities of daily living (ADL) rehabilitation via multivariate data analysis (MVA) 2009 , | | 1 |
| 58 | Rehabilitation control strategies for a gait robot via EMG evaluation 2009 , | | 12 |
| 57 | An analytical approach for better swimming efficiency of slender fish robots based on Lighthill's model 2009 , | | 4 |

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| 56 | Non-jamming conditions in multi-contact rigid-body dynamics. <i>Multibody System Dynamics</i> , 2009 , 22, 269-295 | 2.8 | 11 |
| 55 | Bionic asymmetry: from amiiform fish to undulating robotic fins. <i>Science Bulletin</i> , 2009 , 54, 562-568 | | 13 |
| 54 | Gait Planning for Steady Swimming Control of Biomimetic Fish Robots. <i>Advanced Robotics</i> , 2009 , 23, 805-829 | | 32 |
| 53 | Initial home-based foot-mat design & analysis of bio-gait characteristics to prevent fall in elderly people 2009 , | | 4 |
| 52 | Gait planning for effective rehabilitation - From gait study to application in clinical rehabilitation 2009 , | | 9 |
| 51 | Locomotion planning of biomimetic robotic fish with multi-joint actuation 2009 , | | 2 |
| 50 | Qualitative evaluations of gait rehabilitation via EMG muscle activation pattern: Repetition, symmetry, and smoothness 2009 , | | 11 |
| 49 | Initial analysis of EMG signals of hand functions associated to rehabilitation tasks 2009 , | | 10 |
| 48 | A multi-disciplinary approach for effective hand rehabilitation with clinical-based assessment outcomes 2009 , | | 3 |
| 47 | Objective and quantitative assessment methodology of hand functions for rehabilitation 2009 , | | 8 |
| 46 | Performance predict model for a body and caudal fin (BCF) biomimetics fish robot 2009 , | | 3 |
| 45 | Robust gait control for steady swimming of a carangiform fish robot 2009 , | | 5 |
| 44 | LEARNING FROM GYMNOTIFORM SWIMMERS DESIGN AND IMPLEMENTATION OF ROBOTIC KNIFEFISH NKF-II. <i>International Journal of Information Acquisition</i> , 2008 , 05, 137-147 | | 3 |
| 43 | 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 , | 2 | 12 |
| 42 | A bilateral teleoperation controller considering the transition between the free space motion and the constrained motion. <i>Robotica</i> , 2008 , 26, 781-790 | 2.1 | 6 |
| 41 | Numerical and Experimental Research on Modular Oscillating Fin. <i>Journal of Bionic Engineering</i> , 2008 , 5, 13-23 | 2.7 | 11 |
| 40 | Modular design and initial gait study of an amphibian robotic turtle 2007 , | | 16 |
| 39 | Development of modular and reconfigurable biomimetic robotic fish with undulating fin 2007 , | | 5 |

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| 38 | Design and Initial Testing of a Single-Motor-Driven Spatial Pectoral Fin Mechanism 2007, | | 4 |
| 37 | Computational research on modular undulating fin for biorobotic underwater propulsor. <i>Journal of Bionic Engineering</i> , 2007 , 4, 25-32 | 2.7 | 29 |
| 36 | Biomimetic Design and Workspace Study of Compact and Modular Undulating Fin Body Segments 2007, | | 8 |
| 35 | MANEUVERING OF BIOMIMETIC FISH BY INTEGRATING A BUOYANCY BODY WITH MODULAR UNDULATING FINS. <i>International Journal of Humanoid Robotics</i> , 2007 , 04, 671-695 | 1.2 | 6 |
| 34 | Virtual circle mapping for master/slave hand systems. <i>Advanced Robotics</i> , 2007 , 21, 183-208 | 1.7 | 0 |
| 33 | Parametric Study of Modular and Reconfigurable Robotic Fish with Oscillating Caudal Fin Mechanisms 2007, | | 2 |
| 32 | Mechatronics and buoyancy implementation of robotic fish swimming with modular fin mechanisms. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2007 , 221, 295-309 | 1 | 9 |
| 31 | Thermosensitive splicing of a clock gene and seasonal adaptation. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2007 , 72, 599-606 | 3.9 | 18 |
| 30 | Morphologic Optimal Design of Bionic Undulating Fin Based on Computational Fluid Dynamics 2007 , | | 2 |
| 29 | Locomotion and depth control of robotic fish with modular undulating fins. <i>International Journal of Automation and Computing</i> , 2006 , 3, 348-357 | 3.5 | 32 |
| 28 | A Computational Fluid Dynamics (CFD) analysis of an undulatory mechanical fin driven by shape memory alloy. <i>International Journal of Automation and Computing</i> , 2006 , 3, 374-381 | 3.5 | 21 |
| 27 | Locomotion Consideration and Implementation of Robotic Fish with Modular Undulating Fins: Analysis and Experimental Study 2006, | | 7 |
| 26 | Initial Prototype Design and Investigation of an Undulating Body by SMA 2006, | | 14 |
| 25 | Maneuvering and Buoyancy Control of Robotic Fish Integrating with Modular Undulating Fins 2006, | | 3 |
| 24 | Biomimetic Motion Planning of an Undulating Robotic Fish Fin. <i>JVC/Journal of Vibration and Control</i> , 2006 , 12, 1337-1359 | 2 | 106 |
| 23 | Initial Research on Development of a Flexible Pectoral Fin Using Shape Memory Alloy 2006, | | 3 |
| 22 | Locomotive Control of a Wearable Lower Exoskeleton for Walking Enhancement. <i>JVC/Journal of Vibration and Control</i> , 2006 , 12, 1311-1336 | 2 | 41 |
| 21 | Reference Trajectory Generation for Force Tracking Impedance Control by Using Neural Network-based Environment Estimation 2006, | | 5 |

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| 20 | Design and Implementation of NTU Wearable Exoskeleton as an Enhancement and Assistive Device. <i>Applied Bionics and Biomechanics</i> , 2006 , 3, 209-225 | 1.6 | 6 |
| 19 | Kinematic modeling, mobility analysis and design of wheeled mobile robots. <i>Advanced Robotics</i> , 2005 , 19, 73-99 | 1.7 | 15 |
| 18 | MODELING AND MOTION CONTROL OF ROBOTIC HAND FOR TELEMANIPULATION APPLICATION. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2005 , 15, 147-152 | 1 | 2 |
| 17 | A virtual boundary model for a quick dropImpact analysis of electronic components in TV model. <i>Advances in Engineering Software</i> , 2004 , 35, 537-551 | 3.6 | 4 |
| 16 | Frequencies of beams carrying multiple masses: Rayleigh estimation versus eigenanalysis solutions. <i>Journal of Sound and Vibration</i> , 2003 , 268, 843-853 | 3.9 | 14 |
| 15 | Terrain-evaluation-based motion planning for legged locomotion on irregular terrain. <i>Advanced Robotics</i> , 2003 , 17, 761-778 | 1.7 | 4 |
| 14 | On the methods to derive frequency equations of beams carrying multiple masses. <i>International Journal of Mechanical Sciences</i> , 2001 , 43, 871-881 | 5.5 | 29 |
| 13 | A comparative study of the eigenvalue solutions for mass-loaded beams under classical boundary conditions. <i>International Journal of Mechanical Sciences</i> , 2001 , 43, 237-244 | 5.5 | 13 |
| 12 | Terrain evaluation and its application to path planning for walking machines. <i>Advanced Robotics</i> , 2001 , 15, 729-748 | 1.7 | 21 |
| 11 | An efficient foot-force distribution algorithm for quadruped walking robots. <i>Robotica</i> , 2000 , 18, 403-413 | 2.1 | 27 |
| 10 | Combined use of equivalent center mass and stiffness factors to better estimate frequencies of mass loaded plates. <i>Advances in Engineering Software</i> , 2000 , 31, 295-302 | 3.6 | 2 |
| 9 | Quadruped Free Gait Generation Based on the Primary/Secondary Gait. <i>Robotica</i> , 1999 , 17, 405-412 | 2.1 | 23 |
| 8 | Experimental and Analytical Study of the Frequencies of an S-C-S-C Plate Carrying a Concentrated Mass. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1993 , 115, 391-396 | 1.6 | 4 |
| 7 | Comparative Study of Frequencies for Plates Carrying Mass. <i>Journal of Engineering Mechanics - ASCE</i> , 1993 , 119, 917-937 | 2.4 | 4 |
| 6 | Eigen-Analysis of a Tip-Loaded Beam Attached to a Rotating Joint. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1990 , 112, 497-500 | 1.6 | 17 |
| 5 | Solution schemes for the system equations of flexible robots. <i>Journal of Field Robotics</i> , 1989 , 6, 383-405 | | 22 |
| 4 | A Lagrangian Formulation of the Dynamic Model for Flexible Manipulator Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1988 , 110, 175-181 | 1.6 | 64 |
| 3 | Numerical studies on modeling the near- and far-field wake vortex of a quadrotor in forward flight. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 095441002110290 | 0.9 | 1 |

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|---|---|-------|
| 2 | Modeling and control on hysteresis nonlinearity in biomimetic undulating fins | 2 |
| 1 | Severity assessment of aircraft engine fan blades under airborne collision of unmanned aerial vehicles comparable to bird strike certification standards. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 095441002110449 | 0.9 0 |