

Li-Chen Fu

List of Publications by Year in descending order

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Version: 2024-02-01

469
papers

5,954
citations

117625

34
h-index

133252

59
g-index

471
all docs

471
docs citations

471
times ranked

4249
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Data Augmentation via Face Morphing for Recognizing Intensities of Facial Emotions. IEEE Transactions on Affective Computing, 2023, 14, 1228-1235. | 8.3 | 5 |
| 2 | A Brain-Inspired Self-Organizing Episodic Memory Model for a Memory Assistance Robot. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 617-628. | 3.8 | 4 |
| 3 | Adaptive Under-Sampling Deep Neural Network for Rapid and Reliable Image Recovery in Confocal Laser Scanning Microscope Measurements. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9. | 4.7 | 4 |
| 4 | Identifying Mild Cognitive Impairment by Using Human-Robot Interactions. Journal of Alzheimer's Disease, 2022, 85, 1129-1142. | 2.6 | 7 |
| 5 | Early Detection of Parkinson's Disease by Neural Network Models. IEEE Access, 2022, 10, 19033-19044. | 4.2 | 13 |
| 6 | Assessing Schizophrenia Patients Through Linguistic and Acoustic Features Using Deep Learning Techniques. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 947-956. | 4.9 | 11 |
| 7 | A Digital Screening System for Alzheimer Disease Based on a Neuropsychological Test and a Convolutional Neural Network: System Development and Validation. JMIR Medical Informatics, 2022, 10, e31106. | 2.6 | 9 |
| 8 | AFM Tip Localization and Efficient Scanning Method for MEMS Inspection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12. | 4.7 | 1 |
| 9 | Novel Vertical Scanning Algorithm With Advanced Control to Increase Range and Accuracy of Differential Confocal Microscopy. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10. | 4.7 | 3 |
| 10 | Inferring Stressors from Conversation: Towards an Emotional Support Robot Companion. International Journal of Social Robotics, 2022, 14, 1657-1671. | 4.6 | 1 |
| 11 | Asynchronously Embedding Psychological Test Questions into Human-Robot Conversations for User Profiling. International Journal of Social Robotics, 2021, 13, 1359-1368. | 4.6 | 3 |
| 12 | Using Channel-Wise Attention for Deep CNN Based Real-Time Semantic Segmentation With Class-Aware Edge Information. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1041-1051. | 8.0 | 49 |
| 13 | EPSNet: Efficient Panoptic Segmentation Network with Cross-layer Attention Fusion. Lecture Notes in Computer Science, 2021, , 689-705. | 1.3 | 0 |
| 14 | IMU-Based Estimation of Lower Limb Motion Trajectory With Graph Convolution Network. IEEE Sensors Journal, 2021, 21, 24549-24557. | 4.7 | 10 |
| 15 | An efficient context-aware screening system for Alzheimer's disease based on neuropsychology test. Scientific Reports, 2021, 11, 18570. | 3.3 | 4 |
| 16 | Federated learning for predicting clinical outcomes in patients with COVID-19. Nature Medicine, 2021, 27, 1735-1743. | 30.7 | 300 |
| 17 | Towards Effective Robot-Assisted Photo Reminiscence: Personalizing Interactions Through Visual Understanding and Inferring. Lecture Notes in Computer Science, 2021, , 335-349. | 1.3 | 2 |
| 18 | Social Robots for Evaluating Attention State in Older Adults. Sensors, 2021, 21, 7142. | 3.8 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | A Novel Deep Learning-Based System for Triage in the Emergency Department Using Electronic Medical Records: Retrospective Cohort Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e27008. | 4.3 | 12 |
| 20 | The effect of electroacupuncture merged with rehabilitation for frozen shoulder syndrome: A single-blind randomized sham-acupuncture controlled study. <i>Journal of the Formosan Medical Association</i> , 2020, 119, 81-88. | 1.7 | 21 |
| 21 | Demand-side management in residential community realizing sharing economy with bidirectional PEV while additionally considering commercial area. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 116, 105512. | 5.5 | 44 |
| 22 | A Fast and Low-Cost Repetitive Movement Pattern Indicator for Massive Dementia Screening. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020, 17, 771-783. | 5.2 | 7 |
| 23 | Interactive Question-Posing System for Robot-Assisted Reminiscence From Personal Photographs. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2020, 12, 439-450. | 3.8 | 6 |
| 24 | Using Machine Theory of Mind to Learn Agent Social Network Structures from Observed Interactive Behaviors with Targets. , 2020, , . | | 1 |
| 25 | AFM Tip Localization on Large Range Sample Using Particle Filter for MEMS Inspection. , 2020, , . | | 2 |
| 26 | Reading with robot and human companions in library literacy activities: A comparison study. <i>British Journal of Educational Technology</i> , 2020, 51, 1884-1900. | 6.3 | 31 |
| 27 | A new-designed non-raster scan and precision control for increasing AFM imaging speed. , 2020, , . | | 1 |
| 28 | Online Gait Detection with an Automatic Mobile Trainer Inspired by Neuro-Developmental Treatment. <i>Sensors</i> , 2020, 20, 3389. | 3.8 | 11 |
| 29 | A Hybrid Conversational Agent with Semantic Association of Autobiographic Memories for the Elderly. <i>Lecture Notes in Computer Science</i> , 2020, , 53-66. | 1.3 | 0 |
| 30 | Iterative Learning Controller with Learning Gain Optimization and Online Data Adjustment for Atomic Force Microscope. , 2020, , . | | 0 |
| 31 | Nonparametric Activity Recognition System in Smart Homes Based on Heterogeneous Sensor Data. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019, 16, 678-690. | 5.2 | 5 |
| 32 | Dual Null-Space Based Controller Design with Signal Compensation for Formation with Conflicted Tasks. , 2019, , . | | 0 |
| 33 | ResFlow: Multi-tasking of Sequentially Pooling Spatiotemporal Features for Action Recognition and Optical Flow Estimation. , 2019, , . | | 3 |
| 34 | Long-Range AFM Imaging with Modified Cycloid Trajectory. , 2019, , . | | 0 |
| 35 | A Novel Screening System for Alzheimer's Disease Based on Speech Transcripts Using Neural Network. , 2019, , . | | 2 |
| 36 | Mood Estimation as a Social Profile Predictor in an Autonomous, Multi-Session, Emotional Support Robot for Children. , 2019, , . | | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | A Real-time Demand-side Management System Considering User Behavior Using Deep Q-Learning in Home Area Network. , 2019, , . | | 13 |
| 38 | Ordered formation control and affine transformation of Multi-Agent Systems without global reference frame. , 2019, , . | | 2 |
| 39 | Sensorless Control with Friction and Human Intention Estimation of Exoskeleton Robot for Upper-limb Rehabilitation. , 2019, , . | | 2 |
| 40 | Joint-oriented Features for Skeleton-based Action Recognition. , 2019, , . | | 4 |
| 41 | An Automatic Assessment System for Alzheimerâ€™s Disease Based on Speech Using Feature Sequence Generator and Recurrent Neural Network. Scientific Reports, 2019, 9, 19597. | 3.3 | 25 |
| 42 | Socially-Aware Navigation of Omnidirectional Mobile Robot with Extended Social Force Model in Multi-Human Environment. , 2019, , . | | 12 |
| 43 | A Screening System for Mild Cognitive Impairment Based on Neuropsychological Drawing Test and Neural Network. , 2019, , . | | 7 |
| 44 | Novel Micro Scanning with Integrated Atomic Force Microscope and Confocal Laser Scanning Microscope. , 2019, , . | | 2 |
| 45 | A Novel Design and Control to Improve Positioning Precision and Robustness for a Planar Maglev System. IEEE Transactions on Industrial Electronics, 2019, 66, 4860-4869. | 7.9 | 20 |
| 46 | Active Learning on Service Providing Model: Adjustment of Robot Behaviors Through Human Feedback. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 701-711. | 3.8 | 7 |
| 47 | An Empirical Study on Engineering a Real-World Smart Ward Using Pervasive Technologies. IEEE Systems Journal, 2018, 12, 240-249. | 4.6 | 2 |
| 48 | Demand Response in Residential and Commercial Community Considering User Comfort Using Improved Particle Swarm Optimization. , 2018, , . | | 2 |
| 49 | Activity Recognition System for Dementia in Smart Homes based on Wearable Sensor Data. , 2018, , . | | 7 |
| 50 | Temporal-Contrastive Appearance Network for Facial Expression Recognition. , 2018, , . | | 6 |
| 51 | Reinforcement Learning Control for Consensus of the Leader-Follower Multi-Agent Systems. , 2018, , . | | 1 |
| 52 | Model Reference Adaptive Control for Atomic Force Microscope. , 2018, , . | | 0 |
| 53 | Adaptive tilting angles to achieve high-precision scanning of a dual probes AFM. Asian Journal of Control, 2018, 20, 1339-1351. | 3.0 | 4 |
| 54 | Design of a High-speed and High-precision Hybrid Scanner with a New Path Planning Strategy Based on Spatial Entropy. , 2018, , . | | 3 |

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|----|---|-----|-----------|
| 55 | Context-Aware Energy Saving System With Multiple Comfort-Constrained Optimization in M2M-Based Home Environment. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1400-1414. | 5.2 | 19 |
| 56 | Learning a deep network with spherical part model for 3D hand pose estimation. , 2017, , . | | 6 |
| 57 | Partially transferred convolution neural network with cross-layer inheriting for posture recognition from top-view depth camera. , 2017, , . | | 3 |
| 58 | Visual servoing with time-delay compensation for humanoid mobile manipulator. , 2017, , . | | 1 |
| 59 | A Self-Designed Laser Scanning Differential Confocal Microscopy with a Novel Vertical Scan Algorithm for Fast Image Scanning. IFAC-PapersOnLine, 2017, 50, 3221-3226. | 0.9 | 1 |
| 60 | Recommendation dialogue system through pragmatic argumentation. , 2017, , . | | 6 |
| 61 | A fast CLSM undersampling image reconstruction framework with precise stage positioning for random measurements. , 2017, , . | | 3 |
| 62 | Interactive torque controller with electromyography intention prediction implemented on exoskeleton robot NTUH-II. , 2017, , . | | 6 |
| 63 | Effective Tilting Angles for a Dual Probes AFM System to Achieve High-Precision Scanning. IEEE/ASME Transactions on Mechatronics, 2016, 21, 2512-2521. | 5.8 | 16 |
| 64 | Privacy free indoor action detection system using top-view depth camera based on key-poses. , 2016, , . | | 0 |
| 65 | Deep learning for integrated hand detection and pose estimation. , 2016, , . | | 9 |
| 66 | The manhunt network: People tracking in hybrid-overlapping under the vertical top-view depth camera networks. , 2016, , . | | 2 |
| 67 | Active control with force sensor and shoulder circumduction implemented on exoskeleton robot NTUH-II. , 2016, , . | | 3 |
| 68 | Robust dynamic hand gesture recognition system with sparse steric haar-like feature for human robot interaction. , 2016, , . | | 3 |
| 69 | Service robots: System design for tracking people through data fusion and initiating interaction with the human group by inferring social situations. Robotics and Autonomous Systems, 2016, 83, 188-202. | 5.1 | 13 |
| 70 | Adaptive tilting angles for a dual-probe AFM system to increase image accuracy. , 2016, , . | | 2 |
| 71 | Motion Control. Springer Handbooks, 2016, , 163-194. | 0.6 | 20 |
| 72 | Dynamic demand-side management with user's privacy concern in residential community. , 2016, , . | | 6 |

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| 73 | Precision sinusoidal tracking for galvanometer scanner with smith predictor-based adaptive sliding mode control. , 2016, , . | | 2 |
| 74 | Daily activity recognition using the informative features from skeletal and depth data. , 2016, , . | | 5 |
| 75 | Sensory Cues Guided Rehabilitation Robotic Walker Realized by Depth Image-Based Gait Analysis. IEEE Transactions on Automation Science and Engineering, 2016, 13, 171-180. | 5.2 | 25 |
| 76 | Developing a novel bilateral arm training on rehabilitation robot NTUH-II for neurologic and orthopedic disorder. , 2015, , . | | 3 |
| 77 | Planning on searching occluded target object with a mobile robot manipulator. , 2015, , . | | 5 |
| 78 | Lissajous scan trajectory with internal model principle controller for fast AFM image scanning. , 2015, , . | | 1 |
| 79 | Human-Centered Robot Navigation-Towards A Harmoniously Human-Robot Coexisting Environment1. , 2015, , 211-243. | | 0 |
| 80 | Nonparametric Discovery of Contexts and Preferences in Smart Home Environments. , 2015, , . | | 1 |
| 81 | Lissajous Hierarchical Local Scanning to Increase the Speed of Atomic Force Microscopy. IEEE Nanotechnology Magazine, 2015, 14, 810-819. | 2.0 | 24 |
| 82 | Depth image based gait tracking and analysis via robotic walker. , 2015, , . | | 2 |
| 83 | Adaptive super-twisting sliding mode control on hydraulic actuator of a 6-DOF parallel manipulator. , 2015, , . | | 1 |
| 84 | Representative Body Points on Top-View Depth Sequences for Daily Activity Recognition. , 2015, , . | | 6 |
| 85 | Observer-based backstepping control of a 6-dof parallel hydraulic manipulator. Control Engineering Practice, 2015, 36, 100-112. | 5.5 | 33 |
| 86 | Precision Sinusoidal Local Scan for Large-Range Atomic Force Microscopy With Auxiliary Optical Microscopy. IEEE/ASME Transactions on Mechatronics, 2015, 20, 226-236. | 5.8 | 29 |
| 87 | Near-Infrared-Based Nighttime Pedestrian Detection Using Grouped Part Models. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1929-1940. | 8.0 | 27 |
| 88 | An Optimal Compensation Framework for Linear Quadratic Gaussian Control Over Lossy Networks. IEEE Transactions on Automatic Control, 2015, 60, 2692-2697. | 5.7 | 21 |
| 89 | Daily activity prediction based on spatial-temporal matrix for ongoing videos. , 2015, , . | | 1 |
| 90 | Real-time people detection and tracking for indoor surveillance using multiple top-view depth cameras. , 2014, , . | | 30 |

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| 91 | Personalizing robot behavior for interruption in social human-robot interaction. , 2014, , . | | 12 |
| 92 | Integrated Game Based Guidance with Nonlinear Autopilot Design for Maneuvering Target Interception. Asian Journal of Control, 2014, 16, 431-440. | 3.0 | 4 |
| 93 | Perceiving intimacy from both robot view and first-person view in dyadic human interaction. , 2014, , . | | 0 |
| 94 | Grasping unknown objects using depth gradient feature with eye-in-hand RGB-D sensor. , 2014, , . | | 10 |
| 95 | A dual probes AFM system with effective tilting angles to achieve high-precision scanning. , 2014, , . | | 4 |
| 96 | Vision based gait analysis on robotic walking stabilization system for patients with Parkinson's Disease. , 2014, , . | | 1 |
| 97 | Daily health assessment system using prediction model for self-rated health by vital sign pattern. , 2014, , . | | 0 |
| 98 | Energy-Responsive Aggregate Context for Energy Saving in a Multi-Resident Environment. IEEE Transactions on Automation Science and Engineering, 2014, 11, 715-729. | 5.2 | 17 |
| 99 | Design and Control of Phase-Detection Mode Atomic Force Microscopy for Reconstruction of Cell Contours in Three Dimensions. IEEE Nanotechnology Magazine, 2014, 13, 639-649. | 2.0 | 15 |
| 100 | Developing a service robot for a children's library: A designâ€­based research approach. Journal of the Association for Information Science and Technology, 2014, 65, 290-301. | 2.9 | 23 |
| 101 | Multi-human spatial social pattern understanding for a multi-modal robot through nonverbal social signals. , 2014, , . | | 4 |
| 102 | Pedestrian detection system in low illumination conditions through Fusion of image and range data. , 2014, , . | | 0 |
| 103 | Robust Output Feedback Stabilization of Switched Nonlinear Systems with Average Dwell Time. Asian Journal of Control, 2014, 16, 264-276. | 3.0 | 16 |
| 104 | Integrating appearance and edge features for on-road bicycle and motorcycle detection in the nighttime. , 2014, , . | | 8 |
| 105 | An Efficient Data Storage Method of NoSQL Database for HEM Mobile Applications in IoT. , 2014, , . | | 7 |
| 106 | Human-robot interaction with multi-human social pattern inference on a multi-modal robot. , 2014, , . | | 0 |
| 107 | Visual Tracking of Human Head and Arms Using Adaptive Multiple Importance Sampling on a Single Camera in Cluttered Environments. IEEE Sensors Journal, 2014, 14, 2267-2275. | 4.7 | 7 |
| 108 | Modeling and Controller Design of a Precision Hybrid Scanner for Application in Large Measurement-Range Atomic Force Microscopy. IEEE Transactions on Industrial Electronics, 2014, 61, 3704-3712. | 7.9 | 31 |

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| 109 | An ant colony optimization algorithm for multi-objective clustering in mobile ad hoc networks. , 2014, , . | | 8 |
| 110 | Adaptive stabilization of a class of uncertain switched nonlinear systems with backstepping control. Automatica, 2014, 50, 2128-2135. | 5.0 | 135 |
| 111 | Model-Free Predictive Current Control for Interior Permanent-Magnet Synchronous Motor Drives Based on Current Difference Detection Technique. IEEE Transactions on Industrial Electronics, 2014, 61, 667-681. | 7.9 | 265 |
| 112 | An optimal static compensator for output feed-back LQ control across lossy links. , 2014, , . | | 0 |
| 113 | Anticipatory Reasoning for a Proactive Context-Aware Energy Saving System. , 2014, , . | | 4 |
| 114 | Message-Efficient Service Management Schemes for MOM-Based UPnP Networks. IEEE Transactions on Services Computing, 2013, 6, 214-226. | 4.6 | 3 |
| 115 | Hybrid User-Assisted Incremental Model Adaptation for Activity Recognition in a Dynamic Smart-Home Environment. IEEE Transactions on Human-Machine Systems, 2013, 43, 421-436. | 3.5 | 31 |
| 116 | A guidance strategy for multi-player pursuit and evasion game in maneuvering target interception. , 2013, , . | | 3 |
| 117 | Hands tracking with self-occlusion handling in cluttered environment. , 2013, , . | | 1 |
| 118 | Spatio-temporal Feature Enhanced Semi-supervised Adaptation for Activity Recognition in IoT-Based Context-Aware Smart Homes. , 2013, , . | | 10 |
| 119 | Sinusoidal trajectory for atomic force microscopy precision local scanning with auxiliary optical microscopy. , 2013, , . | | 4 |
| 120 | Output Feedback Sliding Mode Control for a Stewart Platform With a Nonlinear Observer-Based Forward Kinematics Solution. IEEE Transactions on Control Systems Technology, 2013, 21, 176-185. | 5.2 | 56 |
| 121 | Static and dynamic minimum energy broadcast problem in wireless ad-hoc networks: A PSO-based approach and analysis. Applied Soft Computing Journal, 2013, 13, 4786-4801. | 7.2 | 7 |
| 122 | Design of IMM estimation with differential game based guidance system in maneuvering target interception. , 2013, , . | | 0 |
| 123 | An efficient part-based approach to action recognition from RGB-D video with BoW-pyramid representation. , 2013, , . | | 1 |
| 124 | Pedestrian detection using histograms of Oriented Gradients of granule feature. , 2013, , . | | 5 |
| 125 | Grasping the object with collision avoidance of wheeled mobile manipulator in dynamic environments. , 2013, , . | | 2 |
| 126 | Human-oriented recognition for intelligent interactive office robot. , 2013, , . | | 8 |

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|-----|---|----|-----------|
| 127 | Combining multiple complementary features for pedestrian and motorbike detection. , 2013, , . | | 4 |
| 128 | Recognizing context-aware activities of daily living using RGBD sensor. , 2013, , . | | 3 |
| 129 | On the compensation of LQG over a lossy network utilizing previous control signals. , 2013, , . | | 0 |
| 130 | A joint localizer for finger length measurements. , 2013, , . | | 2 |
| 131 | A new compensation framework for LQ control over lossy networks. , 2013, , . | | 1 |
| 132 | Adaptive state feedback stabilization of uncertain switched nonlinear systems consisting of feedback linearizable non-switching dynamics. , 2013, , . | | 0 |
| 133 | Adaptive Visual Servoing of Micro Aerial Vehicle with Switched System Model for Obstacle Avoidance. , 2013, , . | | 1 |
| 134 | Design and control of phase-detection mode atomic force microscopy for cells precision contour reconstruction under different environments. , 2013, , . | | 1 |
| 135 | A VNS-based hyper-heuristic with adaptive computational budget of local search. , 2012, , . | | 12 |
| 136 | Hierarchical generalized context inference or context-aware smart homes. , 2012, , . | | 7 |
| 137 | Simultaneous localization and scene reconstruction with monocular camera. , 2012, , . | | 1 |
| 138 | Development of a large scanning-range atomic force microscope with adaptive complementary sliding mode controller. , 2012, , . | | 3 |
| 139 | Enhancement of Human-Preference Assisted Activity Recognition Using a Cooperative ADL Infrastructure. , 2012, , . | | 2 |
| 140 | Second-order sliding mode control for passive ranging system in missile interception. , 2012, , . | | 2 |
| 141 | A gravity compensation-based upper limb rehabilitation robot. , 2012, , . | | 1 |
| 142 | Average dwell time condition of unknown switched linear systems with variable structure adaptive backstepping control. , 2012, , . | | 0 |
| 143 | Context-aware assisted interactive robotic walker for Parkinson's disease patients. , 2012, , . | | 36 |
| 144 | Design and implementation of a large measurement-range AFM scanning system. , 2012, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Design and Experiment of a Macro-Micro Planar Maglev Positioning System. IEEE Transactions on Industrial Electronics, 2012, 59, 4128-4139. | 7.9 | 45 |
| 146 | An improved predictive current control for interior permanent magnet synchronous motor drives based on current difference detection. , 2012, , . | | 2 |
| 147 | Model-free predictive current controller for four-switch three-phase inverter-fed interior permanent magnet synchronous motor drive systems. , 2012, , . | | 5 |
| 148 | A sensorless position control for four-switch three-phase inverter-fed interior permanent magnet synchronous motor drive systems. , 2012, , . | | 2 |
| 149 | Particle swarm optimization for the minimum energy broadcast problem in wireless ad-hoc networks. , 2012, , . | | 5 |
| 150 | Nighttime pedestrian detection by selecting strong near-infrared parts and enhanced spatially local model. , 2012, , . | | 2 |
| 151 | Passivity-based adaptive complementary PI sliding-mode speed controller for synchronous reluctance motor using predictive current control. , 2012, , . | | 1 |
| 152 | Online 3D tracking of human arms with a single camera. , 2012, , . | | 1 |
| 153 | Robust head and hands tracking with occlusion handling for human machine interaction. , 2012, , . | | 5 |
| 154 | Context-aware home energy saving based on Energy-Prone Context. , 2012, , . | | 16 |
| 155 | Comparison of granules features for pedestrian detection. , 2012, , . | | 5 |
| 156 | Integrating Appearance and Edge Features for Sedan Vehicle Detection in the Blind-Spot Area. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 737-747. | 8.0 | 89 |
| 157 | Learning hierarchical representation with sparsity for RGB-D object recognition. , 2012, , . | | 5 |
| 158 | On-line human action recognition by combining joint tracking and key pose recognition. , 2012, , . | | 11 |
| 159 | Second order sliding mode control on task-space of a 6-DOF Stewart platform. , 2012, , . | | 3 |
| 160 | Model-based predictive current control for four-switch three-phase inverter-fed IPMSM with an adaptive backstepping complementary PI sliding-mode position controller. , 2012, , . | | 0 |
| 161 | Rule-based scheduling in wafer fabrication with due date-based objectives. Computers and Operations Research, 2012, 39, 2820-2835. | 4.0 | 18 |
| 162 | Design and Realization of a Framework for Human-System Interaction in Smart Homes. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 15-31. | 2.9 | 55 |

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| 163 | An Extensible Situation-Aware Caring System for Real-World Smart Wards. Lecture Notes in Computer Science, 2012, , 190-197. | 1.3 | 4 |
| 164 | Design and implementation of an electromagnetically damped positioner with flexure suspension. , 2011, , . | | 6 |
| 165 | Unifiable Preference Expressions for Pervasive Service Composition. , 2011, , . | | 1 |
| 166 | A Cloud-Based Accessible Architecture for Large-Scale ADL Analysis Services. , 2011, , . | | 6 |
| 167 | Near-infrared based nighttime pedestrian detection by combining multiple features. , 2011, , . | | 15 |
| 168 | A Reciprocal and Extensible Architecture for Multiple-Target Tracking in a Smart Home. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2011, 41, 120-129. | 2.9 | 28 |
| 169 | Human-Centered Robot Navigation“Towards a Harmoniously Human“Robot Coexisting Environment. IEEE Transactions on Robotics, 2011, 27, 99-112. | 10.3 | 123 |
| 170 | Multitarget Visual Tracking Based Effective Surveillance With Cooperation of Multiple Active Cameras. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 234-247. | 5.0 | 33 |
| 171 | Variable Structure Based Adaptive Control with Tuning Function Design for a Class of Unknown Switched Linear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 11133-11138. | 0.4 | 0 |
| 172 | An Optimal Washout Filter Design with Fuzzy Compensation for a Motion Platform. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 8433-8438. | 0.4 | 6 |
| 173 | Toward Reliable Service Management in Message-Oriented Pervasive Systems. IEEE Transactions on Services Computing, 2011, 4, 183-195. | 4.6 | 12 |
| 174 | Design and Implementation of a New Six-DOF Maglev Positioner With a Fluid Bearing. IEEE/ASME Transactions on Mechatronics, 2011, 16, 449-458. | 5.8 | 14 |
| 175 | NNMA: An effective memetic algorithm for solving multiobjective permutation flow shop scheduling problems. Expert Systems With Applications, 2011, 38, 5986-5999. | 7.6 | 98 |
| 176 | A two-stage hybrid memetic algorithm for multiobjective job shop scheduling. Expert Systems With Applications, 2011, 38, 10983-10998. | 7.6 | 24 |
| 177 | Passivity-based adaptive sliding-mode speed control for IPMSM drive systems. , 2011, , . | | 0 |
| 178 | Cloud-Enabled Adaptive Activity-Aware Energy-Saving System in a Dynamic Environment. , 2011, , . | | 3 |
| 179 | Design and implementation of an atomic force microscope with adaptive sliding mode controller for large image scanning. , 2011, , . | | 7 |
| 180 | Adaptive backstepping PI sliding-mode control for interior permanent magnet synchronous motor drive systems. , 2011, , . | | 5 |

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| 181 | A hybrid constraint handling mechanism with differential evolution for constrained multiobjective optimization. , 2011, , . | | 14 |
| 182 | Multilayered Image Processing for Multiscale Harris Corner Detection in Digital Realization. IEEE Transactions on Industrial Electronics, 2010, 57, 1799-1805. | 7.9 | 50 |
| 183 | A memetic algorithm for minimizing total weighted tardiness on parallel batch machines with incompatible job families and dynamic job arrival. Computers and Operations Research, 2010, 37, 2257-2269. | 4.0 | 75 |
| 184 | Human-centered robot navigation "Toward a harmoniously coexisting multi-human and multi-robot environment. , 2010, , . | | 5 |
| 185 | Dynamic state feedback control of robotic formation system. , 2010, , . | | 0 |
| 186 | A sliding-mode based guidance law for intercepting missile with passive ranging law. , 2010, , . | | 0 |
| 187 | An optimal washout filter design for a motion platform with senseless and angular scaling maneuvers. , 2010, , . | | 7 |
| 188 | Apply tapping mode Atomic Force Microscope with CD/DVD pickup head in fluid. , 2010, , . | | 2 |
| 189 | Variable structure adaptive backstepping control for a class of unknown switched linear systems. , 2010, , . | | 3 |
| 190 | Interaction models for multiple-resident activity recognition in a smart home. , 2010, , . | | 19 |
| 191 | Visual tracking of human head and arms with a single camera. , 2010, , . | | 10 |
| 192 | A two-phase evolutionary algorithm for multiobjective mining of classification rules. , 2010, , . | | 15 |
| 193 | Synthesis of static output feedback SPR systems via LQR weighting matrix design. , 2010, , . | | 3 |
| 194 | Mechanism Design and Mechatronic Control of a Multifunctional Test Bed for Bedridden Healthcare. IEEE/ASME Transactions on Mechatronics, 2010, 15, 234-241. | 5.8 | 38 |
| 195 | An improved multiobjective memetic algorithm for permutation flow shop scheduling. , 2010, , . | | 1 |
| 196 | Design and control of long travel range electromagnetically actuated positioning stage with application to precise machining. , 2010, , . | | 5 |
| 197 | Incorporating appearance and edge features for vehicle detection in the blind-spot area. , 2010, , . | | 5 |
| 198 | Chattering-free robust nonlinear controller for an interior permanent magnet synchronous motor speed drive system. , 2010, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
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| 199 | An interactive robotic walker for assisting elderly mobility in senior care unit. , 2010, , . | | 10 |
| 200 | Graph isomorphism testing method in a self-recognition Velcro strap modular robot. , 2010, , . | | 2 |
| 201 | Modular Design of a Reconfigurable Electromagnetic Robot. <i>Advanced Robotics</i> , 2010, 24, 1059-1078. | 1.8 | 6 |
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