Li-Chen Fu

List of Publications by Year
in descending order

469 papers	5,954 citations	117453 34 h-index	133063 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.	5.7	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.	2.6	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.	2.4	4
4	Identifying Mild Cognitive Impairment by Using Human–Robot Interactions. Journal of Alzheimer's Disease, 2022, 85, 1129-1142.	1.2	7
5	Early Detection of Parkinson's Disease by Neural Network Models. IEEE Access, 2022, 10, 19033-19044.	2.6	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.	2.7	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.	1.3	9
8	AFM Tip Localization and Efficient Scanning Method for MEMS Inspection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	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.	2.4	3
10	Inferring Stressors from Conversation: Towards an Emotional Support Robot Companion. International Journal of Social Robotics, 2022, 14, 1657-1671.	3.1	1
11	Asynchronously Embedding Psychological Test Questions into Human–Robot Conversations for User Profiling. International Journal of Social Robotics, 2021, 13, 1359-1368.	3.1	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.	4.7	49
13	EPSNet: Efficient Panoptic Segmentation Network with Cross-layer Attention Fusion. Lecture Notes in Computer Science, 2021, , 689-705.	1.0	0
14	IMU-Based Estimation of Lower Limb Motion Trajectory With Graph Convolution Network. IEEE Sensors Journal, 2021, 21, 24549-24557.	2.4	10
15	An efficient context-aware screening system for Alzheimer's disease based on neuropsychology test. Scientific Reports, 2021, 11, 18570.	1.6	4
16	Federated learning for predicting clinical outcomes in patients with COVID-19. Nature Medicine, 2021, 27, 1735-1743.	15.2	300
17	Towards Effective Robot-Assisted Photo Reminiscence: Personalizing Interactions Through Visual Understanding and Inferring. Lecture Notes in Computer Science, 2021, , 335-349.	1.0	2
18	Social Robots for Evaluating Attention State in Older Adults. Sensors, 2021, 21, 7142.	2.1	3

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19	A Novel Deep Learning–Based System for Triage in the Emergency Department Using Electronic Medical Records: Retrospective Cohort Study. Journal of Medical Internet Research, 2021, 23, e27008.	2.1	12
20	The effect of electroacupuncture merged with rehabilitation for frozen shoulder syndrome: A single-blind randomized sham-acupuncture controlled study. Journal of the Formosan Medical Association, 2020, 119, 81-88.	0.8	21
21	Demand-side management in residential community realizing sharing economy with bidirectional PEV while additionally considering commercial area. International Journal of Electrical Power and Energy Systems, 2020, 116, 105512.	3.3	44
22	A Fast and Low-Cost Repetitive Movement Pattern Indicator for Massive Dementia Screening. IEEE Transactions on Automation Science and Engineering, 2020, 17, 771-783.	3.4	7
23	Interactive Question-Posing System for Robot-Assisted Reminiscence From Personal Photographs. IEEE Transactions on Cognitive and Developmental Systems, 2020, 12, 439-450.	2.6	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. British Journal of Educational Technology, 2020, 51, 1884-1900.	3.9	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. Sensors, 2020, 20, 3389.	2.1	11
29	A Hybrid Conversational Agent with Semantic Association of Autobiographic Memories for the Elderly. Lecture Notes in Computer Science, 2020, , 53-66.	1.0	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. IEEE Transactions on Automation Science and Engineering, 2019, 16, 678-690.	3.4	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

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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.	1.6	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.	5.2	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.	2.6	7
47	An Empirical Study on Engineering a Real-World Smart Ward Using Pervasive Technologies. IEEE Systems Journal, 2018, 12, 240-249.	2.9	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 highâ€precision scanning of a dual probes AFM. Asian Journal of Control, 2018, 20, 1339-1351.	1.9	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.	3.4	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.	0.5	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.	3.7	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.	3.0	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.	0.3	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.	3.4	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-TowardsÂa Harmoniously Humanâ€"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.	1.1	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.	3.2	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.	3.7	29
87	Near-Infrared-Based Nighttime Pedestrian Detection Using Grouped Part Models. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1929-1940.	4.7	27
88	An Optimal Compensation Framework for Linear Quadratic Gaussian Control Over Lossy Networks. IEEE Transactions on Automatic Control, 2015, 60, 2692-2697.	3.6	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.	1.9	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.	3.4	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.	1.1	15
100	Developing a service robot for a children's library: A design‐based research approach. Journal of the Association for Information Science and Technology, 2014, 65, 290-301.	1.5	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.	1.9	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.	2.4	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.	5.2	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.	3.0	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.	5.2	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.	3.2	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.	2.5	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.	3.2	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.	4.1	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

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145	Design and Experiment of a Macroâ€"Micro Planar Maglev Positioning System. IEEE Transactions on Industrial Electronics, 2012, 59, 4128-4139.	5.2	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.	4.7	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.	2.4	18
162	Design and Realization of a Framework for Humanâ€"System Interaction in Smart Homes. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 15-31.	3.4	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.	1.0	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.	3.3	28
169	Human-Centered Robot Navigationâ€"Towards a Harmoniously Humanâ€"Robot Coexisting Environment. IEEE Transactions on Robotics, 2011, 27, 99-112.	7.3	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.	5.5	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.	3.2	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.	3.7	14
175	NNMA: An effective memetic algorithm for solving multiobjective permutation flow shop scheduling problems. Expert Systems With Applications, 2011, 38, 5986-5999.	4.4	98
176	A two-stage hybrid memetic algorithm for multiobjective job shop scheduling. Expert Systems With Applications, 2011, 38, 10983-10998.	4.4	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.	5.2	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.	2.4	75
184	Human-centered robot navigation â€" 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.	3.7	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

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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. Advanced Robotics, 2010, 24, 1059-1078.	1.1	6
202	Strategies for Inference Mechanism of Conditional Random Fields for Multiple-Resident Activity Recognition in a Smart Home. Lecture Notes in Computer Science, 2010, , 417-426.	1.0	25
203	Context-Aware Personal Diet Suggestion System. Lecture Notes in Computer Science, 2010, , 76-84.	1.0	2
204	A Guideline-Driven Platform for Healthcare Services in Smart Home Environments. Lecture Notes in Computer Science, 2010, , 254-258.	1.0	0
205	Region-Level Motion-Based Foreground Segmentation Under a Bayesian Network. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 522-532.	5.6	21
206	Real-time face tracking and pose estimation with partitioned sampling and relevance vector machine. , 2009, , .		1
207	Analysis and evaluation of system integration models for human-system interaction in UbiComp environments. , 2009, , .		1
208	Preference model assisted activity recognition learning in a smart home environment. , 2009, , .		15
209	Active-learning assisted self-reconfigurable activity recognition in a dynamic environment. , 2009, , .		4
210	A human-centric and cooperative architecture for multiple target tracking in a smart home. , 2009, , .		1
211	Multiobjective job shop scheduling using memetic algorithm and shifting bottleneck procedure. , 2009, , .		6
212	High precision eddy current damped electromagnetic positioner with flexure-suspension. , 2009, , .		3
213	A hybrid approach to RBPF based SLAM with grid mapping enhanced by line matching. , 2009, , .		10
214	bSLAM navigation of a Wheeled Mobile Robot in presence of uncertainty in indoor environment. , 2009, , .		1
215	CMOS Image Sensor with a Built-in Lane Detector. Sensors, 2009, 9, 1722-1737.	2.1	4
216	A Portable Vision-Based Real-Time Lane Departure Warning System: Day and Night. IEEE Transactions on Vehicular Technology, 2009, 58, 2089-2094.	3.9	101

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217	Using a family of critical ratio-based approaches to minimize the number of tardy jobs in the job shop with sequence dependent setup times. European Journal of Operational Research, 2009, 196, 78-92.	3.5	23
218	Robust Location-Aware Activity Recognition Using Wireless Sensor Network in an Attentive Home. IEEE Transactions on Automation Science and Engineering, 2009, 6, 598-609.	3.4	109
219	Multiobjective Permutation Flow Shop Scheduling Using a Memetic Algorithm with an NEH-Based Local Search. Lecture Notes in Computer Science, 2009, , 813-825.	1.0	2
220	Upper body tracking for human-machine interaction with a moving camera. , 2009, , .		2
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