

Li-Chen Fu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5720817/publications.pdf>

Version: 2024-02-01

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	Federated learning for predicting clinical outcomes in patients with COVID-19. <i>Nature Medicine</i> , 2021, 27, 1735-1743.	15.2	300
2	Model-Free Predictive Current Control for Interior Permanent-Magnet Synchronous Motor Drives Based on Current Difference Detection Technique. <i>IEEE Transactions on Industrial Electronics</i> , 2014, 61, 667-681.	5.2	265
3	Service-Oriented Smart-Home Architecture Based on OSGi and Mobile-Agent Technology. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2007, 37, 193-205.	3.3	156
4	Adaptive stabilization of a class of uncertain switched nonlinear systems with backstepping control. <i>Automatica</i> , 2014, 50, 2128-2135.	3.0	135
5	Human-Centered Robot Navigation—Towards a Harmoniously Human—Robot Coexisting Environment. <i>IEEE Transactions on Robotics</i> , 2011, 27, 99-112.	7.3	123
6	Robust Location-Aware Activity Recognition Using Wireless Sensor Network in an Attentive Home. <i>IEEE Transactions on Automation Science and Engineering</i> , 2009, 6, 598-609.	3.4	109
7	A Portable Vision-Based Real-Time Lane Departure Warning System: Day and Night. <i>IEEE Transactions on Vehicular Technology</i> , 2009, 58, 2089-2094.	3.9	101
8	An adaptive control scheme for coordinated multimanipulator systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 1993, 9, 226-231.	2.4	100
9	NNMA: An effective memetic algorithm for solving multiobjective permutation flow shop scheduling problems. <i>Expert Systems With Applications</i> , 2011, 38, 5986-5999.	4.4	98
10	Globally stable robust tracking of nonlinear systems using variable structure control and with an application to a robotic manipulator. <i>IEEE Transactions on Automatic Control</i> , 1990, 35, 1345-1350.	3.6	97
11	Integrating Appearance and Edge Features for Sedan Vehicle Detection in the Blind-Spot Area. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2012, 13, 737-747.	4.7	89
12	Nonlinear adaptive control for flexible-link manipulators. <i>IEEE Transactions on Automation Science and Engineering</i> , 1997, 13, 140-148.	2.4	86
13	Intelligent robot deburring using adaptive fuzzy hybrid position/force control. <i>IEEE Transactions on Automation Science and Engineering</i> , 2000, 16, 325-335.	2.4	84
14	A fully adaptive decentralized control of robot manipulators. <i>Automatica</i> , 2006, 42, 1761-1767.	3.0	82
15	A memetic algorithm for minimizing total weighted tardiness on parallel batch machines with incompatible job families and dynamic job arrival. <i>Computers and Operations Research</i> , 2010, 37, 2257-2269.	2.4	75
16	Using dispatching rules for job shop scheduling with due date-based objectives. <i>International Journal of Production Research</i> , 2007, 45, 3245-3262.	4.9	67
17	A Petri net based approach to modeling and scheduling for an FMS and a case study. <i>IEEE Transactions on Industrial Electronics</i> , 1994, 41, 593-601.	5.2	65
18	Petri-net and GA-based approach to modeling, scheduling, and performance evaluation for wafer fabrication. <i>IEEE Transactions on Automation Science and Engineering</i> , 2001, 17, 619-636.	2.4	65

#	ARTICLE	IF	CITATIONS
19	Controllability of spacecraft systems in a central gravitational field. IEEE Transactions on Automatic Control, 1994, 39, 2426-2441.	3.6	63
20	Region-Level Motion-Based Background Modeling and Subtraction Using MRFs. IEEE Transactions on Image Processing, 2007, 16, 1446-1456.	6.0	62
21	Output tracking control of nonlinear systems with mismatched uncertainties. Systems and Control Letters, 1992, 18, 39-47.	1.3	59
22	Inhabitants Tracking System in a Cluttered Home Environment Via Floor Load Sensors. IEEE Transactions on Automation Science and Engineering, 2008, 5, 10-20.	3.4	59
23	Adaptive Approach to Motion Controller of Linear Induction Motor with Friction Compensation. IEEE/ASME Transactions on Mechatronics, 2007, 12, 480-490.	3.7	56
24	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
25	Mapping rule-based systems into neural architecture. Knowledge-Based Systems, 1990, 3, 48-56.	4.0	55
26	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.	3.4	55
27	Vehicle Detection under Various Lighting Conditions by Incorporating Particle Filter. , 2007, , .		54
28	Multilayered Image Processing for Multiscale Harris Corner Detection in Digital Realization. IEEE Transactions on Industrial Electronics, 2010, 57, 1799-1805.	5.2	50
29	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
30	A novel dual-axis repulsive maglev guiding system with permanent magnet: modeling and controller design. IEEE/ASME Transactions on Mechatronics, 2003, 8, 77-86.	3.7	48
31	Adaptive Robust Bank-to-Turn Missile Autopilot Design Using Neural Networks. Journal of Guidance, Control, and Dynamics, 1997, 20, 346-354.	1.6	47
32	Design and Experiment of a Macro-Micro Planar Maglev Positioning System. IEEE Transactions on Industrial Electronics, 2012, 59, 4128-4139.	5.2	45
33	Modeling and controller design of a maglev guiding system for application in precision positioning. IEEE Transactions on Industrial Electronics, 2003, 50, 493-506.	5.2	44
34	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
35	Driver assistance system for lane detection and vehicle recognition with night vision. , 2005, , .		43
36	On-board vision system for lane recognition and front-vehicle detection to enhance driver's awareness. , 2004, , .		41

#	ARTICLE	IF	CITATIONS
37	Modeling, scheduling, and performance evaluation for wafer fabrication: a queueing colored Petri-net and GA-based approach. IEEE Transactions on Automation Science and Engineering, 2006, 3, 330-338.	3.4	39
38	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
39	Non-linear sensorless indirect adaptive speed control of induction motor with unknown rotor resistance and load. International Journal of Adaptive Control and Signal Processing, 2000, 14, 109-140.	2.3	36
40	Context-aware assisted interactive robotic walker for Parkinson's disease patients. , 2012, , .		36
41	Adaptive robust tracking of nonlinear systems and with an application to a robotic manipulator. Systems and Control Letters, 1990, 15, 339-348.	1.3	35
42	An integrated, flexible, and Internet-based control architecture for home automation system in the Internet era. , 0, , .		35
43	Adaptive hybrid control strategies for constrained robots. IEEE Transactions on Automatic Control, 1993, 38, 598-603.	3.6	34
44	A robust MRAC using variable structure design for multivariable plants. Automatica, 1996, 32, 833-848.	3.0	33
45	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
46	Observer-based backstepping control of a 6-dof parallel hydraulic manipulator. Control Engineering Practice, 2015, 36, 100-112.	3.2	33
47	Nonlinear observer-based adaptive tracking control for induction motors with unknown load. IEEE Transactions on Industrial Electronics, 1995, 42, 579-586.	5.2	31
48	Design of optimal midcourse guidance sliding-mode control for missiles with TVC. IEEE Transactions on Aerospace and Electronic Systems, 2003, 39, 824-837.	2.6	31
49	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
50	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
51	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
52	A novel adaptive fuzzy variable structure control for a class of nonlinear uncertain systems via backstepping. Fuzzy Sets and Systems, 2001, 122, 83-106.	1.6	30
53	Human Localization via Multi-Cameras and Floor Sensors in Smart Home. , 2006, , .		30
54	Real-time people detection and tracking for indoor surveillance using multiple top-view depth cameras. , 2014, , .		30

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	Near-Infrared-Based Nighttime Pedestrian Detection Using Grouped Part Models. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1929-1940.	4.7	27
58	Adaptive Decentralized Control of Robot Manipulators Driven by Current-Fed Induction Motors. IEEE/ASME Transactions on Mechatronics, 2005, 10, 465-468.	3.7	26
59	An efficient algorithm for finding a collision-free path among polyhedral obstacles. Journal of Field Robotics, 1990, 7, 129-137.	0.7	25
60	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
61	An Automatic Assessment System for Alzheimer's Disease Based on Speech Using Feature Sequence Generator and Recurrent Neural Network. Scientific Reports, 2019, 9, 19597.	1.6	25
62	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
63	A new paradigm for rule-based scheduling in the wafer probe centre. International Journal of Production Research, 2008, 46, 4111-4133.	4.9	24
64	A two-stage hybrid memetic algorithm for multiobjective job shop scheduling. Expert Systems With Applications, 2011, 38, 10983-10998.	4.4	24
65	Lissajous Hierarchical Local Scanning to Increase the Speed of Atomic Force Microscopy. IEEE Nanotechnology Magazine, 2015, 14, 810-819.	1.1	24
66	New stability theorems for averaging and their application to the convergence analysis of adaptive identification and control schemes. , 1985, , .		23
67	Variable Structure-Based Nonlinear Missile Guidance/Autopilot Design With Highly Maneuverable Actuators. IEEE Transactions on Control Systems Technology, 2004, 12, 944-949.	3.2	23
68	Multi-user Preference Model and Service Provision in a Smart Home Environment. , 2007, , .		23
69	Robust Adaptive Control of Linear Induction Motors With Unknown End-Effect and Secondary Resistance. IEEE Transactions on Energy Conversion, 2008, 23, 412-422.	3.7	23
70	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
71	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
72	Sensorless speed tracking of induction motor with unknown torque based on maximum power transfer. IEEE Transactions on Industrial Electronics, 2002, 49, 911-924.	5.2	22

#	ARTICLE	IF	CITATIONS
73	New approach to robust model reference adaptive control for a class of plants. International Journal of Control, 1991, 53, 1359-1375.	1.2	21
74	A new approach to model reference control for a class of arbitrarily fast time-varying unknown plants. Automatica, 1992, 28, 437-440.	3.0	21
75	Dual-Stage Piezoelectric Nano-Positioner Utilizing a Range-Extended Optical Fiber Fabry-Perot Interferometer. IEEE/ASME Transactions on Mechatronics, 2007, 12, 291-298.	3.7	21
76	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
77	An Optimal Compensation Framework for Linear Quadratic Gaussian Control Over Lossy Networks. IEEE Transactions on Automatic Control, 2015, 60, 2692-2697.	3.6	21
78	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
79	Motion Control. Springer Handbooks, 2016, , 163-194.	0.3	20
80	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
81	Interaction models for multiple-resident activity recognition in a smart home. , 2010, , .		19
82	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
83	Adaptive force control of single-link mechanism with joint flexibility. IEEE Transactions on Automation Science and Engineering, 1991, 7, 540-545.	2.4	18
84	Rule-based scheduling in wafer fabrication with due date-based objectives. Computers and Operations Research, 2012, 39, 2820-2835.	2.4	18
85	Nonlinear autopilot and guidance for a highly maneuverable missile. , 0, , .		17
86	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
87	A new robust MRAC using variable structure design for relative degree two plants. Automatica, 1992, 28, 911-925.	3.0	16
88	Robust output tracking for nonlinear systems with weakly non-minimum phase. International Journal of Control, 1993, 58, 301-316.	1.2	16
89	Exponentially stable non-linear control for speed regulation of induction motor with field-oriented PI-controller. International Journal of Adaptive Control and Signal Processing, 2000, 14, 297-312.	2.3	16
90	Context-aware home energy saving based on Energy-Prone Context. , 2012, , .		16

#	ARTICLE	IF	CITATIONS
91	Robust Output Feedback Stabilization of Switched Nonlinear Systems with Average Dwell Time. Asian Journal of Control, 2014, 16, 264-276.	1.9	16
92	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
93	Nonlinear adaptive control for manipulator system with gear backlash. , 0, , .		15
94	Design, implementation and self-tuning adaptive control of maglev guiding system. Mechatronics, 2000, 10, 215-237.	2.0	15
95	Preference model assisted activity recognition learning in a smart home environment. , 2009, , .		15
96	A two-phase evolutionary algorithm for multiobjective mining of classification rules. , 2010, , .		15
97	Near-infrared based nighttime pedestrian detection by combining multiple features. , 2011, , .		15
98	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
99	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
100	A hybrid constraint handling mechanism with differential evolution for constrained multiobjective optimization. , 2011, , .		14
101	Global Attitude Representation and its Lie Bracket. , 1993, , .		13
102	A virtual factory based approach to on-line simulation and scheduling for an FMS and a case study. Journal of Intelligent Manufacturing, 2001, 12, 269-279.	4.4	13
103	Sensorless Adaptive Backstepping Speed Control of Induction Motor. , 2006, , .		13
104	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
105	A Real-time Demand-side Management System Considering User Behavior Using Deep Q-Learning in Home Area Network. , 2019, , .		13
106	Early Detection of Parkinson's Disease by Neural Network Models. IEEE Access, 2022, 10, 19033-19044.	2.6	13
107	Slow-drift instability in model reference adaptive systems – an averaging analysis. International Journal of Control, 1987, 45, 503-527.	1.2	12
108	A Robust Model Reference Adaptive Control Using Variable-Structure Adaptation for a Class of Plants. , 1989, , .		12

#	ARTICLE	IF	CITATIONS
109	A new decentralized model reference adaptive control for a class of interconnected dynamic systems using variable structure design. <i>International Journal of Adaptive Control and Signal Processing</i> , 1993, 7, 33-43.	2.3	12
110	Nonlinear adaptive speed and torque control of induction motors with unknown rotor resistance. <i>IEEE Transactions on Industrial Electronics</i> , 2001, 48, 391-401.	5.2	12
111	Vision based obstacle warning system for on-road driving. , 0, , .		12
112	Toward a Message-Oriented Application Model and its Middleware Support in Ubiquitous Environments. , 2008, , .		12
113	Toward Reliable Service Management in Message-Oriented Pervasive Systems. <i>IEEE Transactions on Services Computing</i> , 2011, 4, 183-195.	3.2	12
114	A VNS-based hyper-heuristic with adaptive computational budget of local search. , 2012, , .		12
115	Personalizing robot behavior for interruption in social human-robot interaction. , 2014, , .		12
116	Socially-Aware Navigation of Omnidirectional Mobile Robot with Extended Social Force Model in Multi-Human Environment. , 2019, , .		12
117	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.	2.1	12
118	Fully automated robotic assembly cell: scheduling and simulation. , 0, , .		11
119	A new design of adaptive fuzzy hybrid force/position controller for robot manipulators. , 0, , .		11
120	Adaptive fuzzy hybrid force/position control for robot manipulators following contours of an uncertain object. , 0, , .		11
121	Visual Tracking in Cluttered Environments Using the Visual Probabilistic Data Association Filter. , 2006, 22, 1292-1297.		11
122	Postfitting Control Scheme for Periodic Piezoscanner Driving. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 1917-1921.	0.8	11
123	On-line human action recognition by combining joint tracking and key pose recognition. , 2012, , .		11
124	Online Gait Detection with an Automatic Mobile Trainer Inspired by Neuro-Developmental Treatment. <i>Sensors</i> , 2020, 20, 3389.	2.1	11
125	Assessing Schizophrenia Patients Through Linguistic and Acoustic Features Using Deep Learning Techniques. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022, 30, 947-956.	2.7	11
126	Efficient adaptive hybrid control strategies for robots in constrained manipulation. , 0, , .		10

#	ARTICLE	IF	CITATIONS
127	Adaptive robust control for flexible manipulators. , 0, , .		10
128	Holonic supervisory control and data acquisition kernel for 21st century intelligent building system. , 0, , .		10
129	Nonlinear adaptive backstepping motion control of linear induction motor. , 2002, , .		10
130	Colored timed Petri-net and GA based approach to modeling and scheduling for wafer probe center. , 0, , .		10
131	Multiple People Visual Tracking in a Multi-Camera System for Cluttered Environments. , 2006, , .		10
132	The Forward Kinematics of the 6-6 Stewart Platform Using Extra Sensors. , 2006, , .		10
133	Adaptive Control of Switched Systems with Application to HVAC System. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	10
134	A human-system interaction framework and algorithm for UbiComp-based smart home. , 2008, , .		10
135	A hybrid approach to RBPF based SLAM with grid mapping enhanced by line matching. , 2009, , .		10
136	Visual tracking of human head and arms with a single camera. , 2010, , .		10
137	An interactive robotic walker for assisting elderly mobility in senior care unit. , 2010, , .		10
138	Spatio-temporal Feature Enhanced Semi-supervised Adaptation for Activity Recognition in IoT-Based Context-Aware Smart Homes. , 2013, , .		10
139	Grasping unknown objects using depth gradient feature with eye-in-hand RGB-D sensor. , 2014, , .		10
140	IMU-Based Estimation of Lower Limb Motion Trajectory With Graph Convolution Network. IEEE Sensors Journal, 2021, 21, 24549-24557.	2.4	10
141	Nonlinear control of robot manipulators using adaptive fuzzy sliding mode control. , 0, , .		9
142	A nonlinear missile guidance controller with pulse type input devices. , 1999, , .		9
143	Passivity based control of the double inverted pendulum driven by a linear induction motor. , 0, , .		9
144	Adaptive backstepping tracking control of the Stewart platform. , 2004, , .		9

#	ARTICLE	IF	CITATIONS
145	Creating Robust Activity Maps Using Wireless Sensor Network in a Smart Home. , 2007, , .		9
146	Variable structure based switching adaptive control for a class of unknown switched linear systems. , 2009, , .		9
147	Deep learning for integrated hand detection and pose estimation. , 2016, , .		9
148	Mood Estimation as a Social Profile Predictor in an Autonomous, Multi-Session, Emotional Support Robot for Children. , 2019, , .		9
149	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
150	A GA embedded dynamic search algorithm over a Petri net model for an FMS scheduling. , 0, , .		8
151	Adaptive control of interconnected systems using neural network design. , 0, , .		8
152	Dynamic scheduling approach to group control of elevator systems with learning ability. , 0, , .		8
153	A robust visual servo system for tracking an arbitrary-shaped object by a new active contour method. , 2004, , .		8
154	A Region-Level Motion-Based Background Modeling and Subtraction Using MRFs. , 0, , .		8
155	A memetic algorithm for parallel batch machine scheduling with incompatible job families and dynamic job arrivals. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	8
156	Hide and Not Easy to Seek: A Hybrid Weaving Strategy for Context-Aware Service Provision in a Smart Home. , 2008, , .		8
157	Variable structure model reference adaptive control of unknown switched linear systems with relative degree greater than one. , 2009, , .		8
158	Human-oriented recognition for intelligent interactive office robot. , 2013, , .		8
159	Integrating appearance and edge features for on-road bicycle and motorcycle detection in the nighttime. , 2014, , .		8
160	An ant colony optimization algorithm for multi-objective clustering in mobile ad hoc networks. , 2014, , .		8
161	Nonlinear adaptive control of a flexible manipulator for automated deburring. , 0, , .		7
162	Multi-agent based dynamic scheduling for a flexible assembly system. , 0, , .		7

#	ARTICLE	IF	CITATIONS
163	Modeling, analysis, simulation and control of semiconductor manufacturing systems: a generalized stochastic colored timed Petri net approach. , 0, , .		7
164	Design of modern elevator group control systems. , 0, , .		7
165	Solving the FMS scheduling problem by critical ratio-based heuristics and the genetic algorithm. , 2004, , .		7
166	Human Vestibular Based (HVB) Senseless Maneuver Optimal Washout Filter Design for VR-based Motion Simulator. , 2006, , .		7
167	Hybrid system based adaptive control for the nonlinear HVAC system. , 2006, , .		7
168	E-Negotiation of Dependent Multiple Issues by Using a Joint Search Strategy. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	7
169	Monocular multi-human detection using Augmented Histograms of Oriented Gradients. , 2008, , .		7
170	An optimal washout filter design for a motion platform with senseless and angular scaling maneuvers. , 2010, , .		7
171	Design and implementation of an atomic force microscope with adaptive sliding mode controller for large image scanning. , 2011, , .		7
172	Hierarchical generalized context inference or context-aware smart homes. , 2012, , .		7
173	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
174	An Efficient Data Storage Method of NoSQL Database for HEM Mobile Applications in IoT. , 2014, , .		7
175	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
176	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
177	Activity Recognition System for Dementia in Smart Homes based on Wearable Sensor Data. , 2018, , .		7
178	A Screening System for Mild Cognitive Impairment Based on Neuropsychological Drawing Test and Neural Network. , 2019, , .		7
179	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
180	Identifying Mild Cognitive Impairment by Using Humanâ€“Robot Interactions. Journal of Alzheimer's Disease, 2022, 85, 1129-1142.	1.2	7

#	ARTICLE	IF	CITATIONS
181	A new robust model reference control with improved performance for a class of multivariable unknown plants. International Journal of Adaptive Control and Signal Processing, 1992, 6, 69-93.	2.3	6
182	Petri net based dynamic scheduling of an elevator system. , 0, , .		6
183	Nonlinear control of a wheeled mobile robot with nonholonomic constraints. , 0, , .		6
184	Adaptive and Robust Control for Nonlinear HVAC System. , 2006, , .		6
185	Inhabitants Tracking in a Cluttered Home Environment via Floor Load Sensors. , 2006, , .		6
186	Design and implementation of a new 3-DOF electromagnetic micropositioner utilizing flexure mechanism. , 2006, , .		6
187	Lot Dispatching and Scheduling Integrating OHT Traffic Information in the 300mm Wafer Fab. , 2007, , .		6
188	Multiobjective lot scheduling and dynamic OHT routing in a 300-mm wafer fab. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	6
189	Multiobjective job shop scheduling using memetic algorithm and shifting bottleneck procedure. , 2009, , .		6
190	Modular Design of a Reconfigurable Electromagnetic Robot. Advanced Robotics, 2010, 24, 1059-1078.	1.1	6
191	Design and implementation of an electromagnetically damped positioner with flexure suspension. , 2011, , .		6
192	A Cloud-Based Accessible Architecture for Large-Scale ADL Analysis Services. , 2011, , .		6
193	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
194	Representative Body Points on Top-View Depth Sequences for Daily Activity Recognition. , 2015, , .		6
195	Dynamic demand-side management with user's privacy concern in residential community. , 2016, , .		6
196	Learning a deep network with spherical part model for 3D hand pose estimation. , 2017, , .		6
197	Recommendation dialogue system through pragmatic argumentation. , 2017, , .		6
198	Interactive torque controller with electromyography intention prediction implemented on exoskeleton robot NTUH-II. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
199	Temporal-Contrastive Appearance Network for Facial Expression Recognition. , 2018, , .		6
200	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
201	An adaptive variable structure control for a class of nonlinear systems. Systems and Control Letters, 1993, 21, 49-57.	1.3	5
202	Flexible control system for robot assembly automation. , 0, , .		5
203	Dual-axis Maglev guiding system modeling and controller design for wafer transportation. , 0, , .		5
204	Nonlinear optimal sliding mode midcourse controller with thrust vector control. , 2002, , .		5
205	Modeling, scheduling, and prediction for wafer fabrication: queueing colored Petri-net and GA based approach. , 0, , .		5
206	Adaptive backstepping speed/position control with friction compensation for linear induction motor. , 0, , .		5
207	Design, analysis and control of an electro-magnetic actuator. , 0, , .		5
208	Adaptive lot/equipment matching strategy and GA based approach for optimized dispatching and scheduling in a wafer probe center. , 2004, , .		5
209	Predictive washout filter design for vr-based motion simulator. , 0, , .		5
210	A Simulation Study on Dispatching Rules in Semiconductor Wafer Fabrication Facilities with Due Date-based Objectives. , 2006, , .		5
211	Adaptive Control Approach for Speed Motion-Sensorless of Linear Induction Motor Unknown Resistance and Payload. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 13253-13258.	0.4	5
212	Tracking and detection of lane and vehicle integrating lane and vehicle information using PDAF tracking model. , 2009, , .		5
213	Development of multi-functional robotic test-bed for post-surgical healthcare room. , 2009, , .		5
214	Human-centered robot navigation "Toward a harmoniously coexisting multi-human and multi-robot environment. , 2010, , .		5
215	Design and control of long travel range electromagnetically actuated positioning stage with application to precise machining. , 2010, , .		5
216	Incorporating appearance and edge features for vehicle detection in the blind-spot area. , 2010, , .		5

#	ARTICLE	IF	CITATIONS
217	Adaptive backstepping PI sliding-mode control for interior permanent magnet synchronous motor drive systems. , 2011, , .		5
218	Model-free predictive current controller for four-switch three-phase inverter-fed interior permanent magnet synchronous motor drive systems. , 2012, , .		5
219	Particle swarm optimization for the minimum energy broadcast problem in wireless ad-hoc networks. , 2012, , .		5
220	Robust head and hands tracking with occlusion handling for human machine interaction. , 2012, , .		5
221	Comparison of granules features for pedestrian detection. , 2012, , .		5
222	Learning hierarchical representation with sparsity for RGB-D object recognition. , 2012, , .		5
223	Pedestrian detection using histograms of Oriented Gradients of granule feature. , 2013, , .		5
224	Planning on searching occluded target object with a mobile robot manipulator. , 2015, , .		5
225	Daily activity recognition using the informative features from skeletal and depth data. , 2016, , .		5
226	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
227	Data Augmentation via Face Morphing for Recognizing Intensities of Facial Emotions. IEEE Transactions on Affective Computing, 2023, 14, 1228-1235.	5.7	5
228	An Adaptive Coordinated Control Scheme for Multi-Manipulator Systems. , 1991, , .		4
229	Neural network approach to variable structure based adaptive tracking of SISO systems. , 0, , .		4
230	Rapid setup of system control in a flexible automated production system. , 0, , .		4
231	Nonlinear adaptive motion control for manipulators with compliant joints. IEEE Transactions on Systems, Man, and Cybernetics, 1998, 28, 284-291.	5.5	4
232	Petri net based modeling and GA based scheduling for a flexible manufacturing system. , 0, , .		4
233	Virtual factory-a novel testbed for an advanced flexible manufacturing system. , 0, , .		4
234	Modeling and controller design of a MAGLEV guiding system for application in precision positioning. , 1999, , .		4

#	ARTICLE	IF	CITATIONS
235	Modeling, scheduling, and prediction in wafer fabrication systems using queueing Petri net and genetic algorithm. , 0, , .		4
236	Nonlinear control of induction motor with unknown rotor resistance and load adaptation. , 2001, , .		4
237	Target tracking in an environment of nearly stationary and biased clutter. , 0, , .		4
238	On-road computer vision based obstacle detection. , 0, , .		4
239	Novel design of a 6-DOF planar maglev positioning system. , 0, , .		4
240	Mobile agent based integrated control architecture for home automation system. , 0, , .		4
241	SMOOTH SLIDING MODE CONTROL FOR CONSTRAINED MANIPULATOR WITH JOINT FLEXIBILITY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 91-96.	0.4	4
242	A Differential Game Based Guidance Law for the Interceptor Missiles. , 2007, , .		4
243	PSMP: A Fast Self-Healing and Self-Organizing Pervasive Service Management Protocol for Smart Home Environments. , 2008, , .		4
244	An Efficient Heuristic for Minimizing Maximum Lateness on Parallel Batch Machines. , 2008, , .		4
245	Multisensor-based outdoor tour guide robot NTU-I. , 2008, , .		4
246	Active-learning assisted self-reconfigurable activity recognition in a dynamic environment. , 2009, , .		4
247	CMOS Image Sensor with a Built-in Lane Detector. Sensors, 2009, 9, 1722-1737.	2.1	4
248	Sinusoidal trajectory for atomic force microscopy precision local scanning with auxiliary optical microscopy. , 2013, , .		4
249	Combining multiple complementary features for pedestrian and motorbike detection. , 2013, , .		4
250	Integrated Game Based Guidance with Nonlinear Autopilot Design for Maneuvering Target Interception. Asian Journal of Control, 2014, 16, 431-440.	1.9	4
251	A dual probes AFM system with effective tilting angles to achieve high-precision scanning. , 2014, , .		4
252	Multi-human spatial social pattern understanding for a multi-modal robot through nonverbal social signals. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
253	Anticipatory Reasoning for a Proactive Context-Aware Energy Saving System. , 2014, , .		4
254	Adaptive tilting angles to achieve high-precision scanning of a dual probes AFM. Asian Journal of Control, 2018, 20, 1339-1351.	1.9	4
255	Joint-oriented Features for Skeleton-based Action Recognition. , 2019, , .		4
256	An efficient context-aware screening system for Alzheimer's disease based on neuropsychology test. Scientific Reports, 2021, 11, 18570.	1.6	4
257	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
258	Region-Level Motion-Based Foreground Detection with Shadow Removal Using MRFs. Lecture Notes in Computer Science, 2006, , 878-887.	1.0	4
259	An Extensible Situation-Aware Caring System for Real-World Smart Wards. Lecture Notes in Computer Science, 2012, , 190-197.	1.0	4
260	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
261	Multi-agent based control kernel for flexible automated production system. , 0, , .		3
262	Nonlinear adaptive sensorless speed control of induction motors. , 0, , .		3
263	A neural network based learning controller for robot manipulators. , 0, , .		3
264	Computer vision based object detection and recognition for vehicle driving. , 0, , .		3
265	Globally fully adaptive decentralized control of robot manipulators. , 0, , .		3
266	A robust servo based headtracker with auto-zooming in cluttered environment. , 0, , .		3
267	A robust visual tracking of an arbitrary-shaped object by a new active contour method for a virtual reality application. , 0, , .		3
268	New guidance laws and autopilot designs for intercepting missiles with TVC and DCS. , 0, , .		3
269	A Bayesian Framework for Foreground Segmentation. , 2006, , .		3
270	Flight Controller Design for Intercepting Missiles with Multiple TVC Systems and DCS. Proceedings of the American Control Conference, 2007, , .	0.0	3

#	ARTICLE	IF	CITATIONS
271	Magnetic Force Analysis for the Actuation Design of 2D Rotational Modular Robots. , 2007, , .		3
272	Navigation of a wheeled mobile robot in indoor environment by potential field based-fuzzy logic method. , 2008, , .		3
273	Applying a nonlinear observer to solve forward kinematics of a Stewart platform. , 2008, , .		3
274	A formation control framework based on Lyapunov approach. , 2008, , .		3
275	An efficient autonomous failure recovery mechanism for UPnP-based message-oriented pervasive services. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	3
276	A novel high precision electromagnetic flexure-suspended positioning stage with an eddy current damper. , 2008, , .		3
277	Design of the Octabot Self-Reconfigurable Robot. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 15630-15635.	0.4	3
278	High precision eddy current damped electromagnetic positioner with flexure-suspension. , 2009, , .		3
279	Variable structure adaptive backstepping control for a class of unknown switched linear systems. , 2010, , .		3
280	Synthesis of static output feedback SPR systems via LQR weighting matrix design. , 2010, , .		3
281	Cloud-Enabled Adaptive Activity-Aware Energy-Saving System in a Dynamic Environment. , 2011, , .		3
282	Development of a large scanning-range atomic force microscope with adaptive complementary sliding mode controller. , 2012, , .		3
283	Second order sliding mode control on task-space of a 6-DOF Stewart platform. , 2012, , .		3
284	Message-Efficient Service Management Schemes for MOM-Based UPnP Networks. IEEE Transactions on Services Computing, 2013, 6, 214-226.	3.2	3
285	A guidance strategy for multi-player pursuit and evasion game in maneuvering target interception. , 2013, , .		3
286	Recognizing context-aware activities of daily living using RGBD sensor. , 2013, , .		3
287	Developing a novel bilateral arm training on rehabilitation robot NTUH-II for neurologic and orthopedic disorder. , 2015, , .		3
288	Active control with force sensor and shoulder circumduction implemented on exoskeleton robot NTUH-II. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
289	Robust dynamic hand gesture recognition system with sparse steric haar-like feature for human robot interaction. , 2016, , .		3
290	Partially transferred convolution neural network with cross-layer inheriting for posture recognition from top-view depth camera. , 2017, , .		3
291	A fast CLSM undersampling image reconstruction framework with precise stage positioning for random measurements. , 2017, , .		3
292	Design of a High-speed and High-precision Hybrid Scanner with a New Path Planning Strategy Based on Spatial Entropy. , 2018, , .		3
293	ResFlow: Multi-tasking of Sequentially Pooling Spatiotemporal Features for Action Recognition and Optical Flow Estimation. , 2019, , .		3
294	Asynchronously Embedding Psychological Test Questions into Human-Robot Conversations for User Profiling. International Journal of Social Robotics, 2021, 13, 1359-1368.	3.1	3
295	Parameter Identification of Systems with Uncertain Dynamics and Disturbances. , 1992, , .		3
296	Social Robots for Evaluating Attention State in Older Adults. Sensors, 2021, 21, 7142.	2.1	3
297	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
298	Stable on-line parameter identification algorithms for systems with non-parametric uncertainties and disturbances. International Journal of Control, 1996, 65, 329-345.	1.2	2
299	Systematic creation and application of virtual factory with object oriented concept. , 0, , .		2
300	A flexible, hierarchical and distributed control kernel architecture for rapid resource integration of intelligent building system. , 0, , .		2
301	DESIGN AND CONTROL OF A NOVEL PLANAR MAGLEV POSITIONING SYSTEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 505-510.	0.4	2
302	Adaptive speed/position control of induction motor with unknown load torque. , 2002, , .		2
303	Globally adaptive decentralized control of time-varying robot manipulators. , 0, , .		2
304	Supervised nonlinear control of hybrid system with application to HVAC system. , 0, , .		2
305	Multi-Target Tracking using Separated Importance Sampling Particle Filters with Joint Image Likelihood. , 2006, , .		2
306	Using Semi-Supervised Learning to Build Bayesian Network for Personal Preference Modeling in Home Environment. , 2006, , .		2

#	ARTICLE	IF	CITATIONS
307	Visual tracking with probabilistic data association filter based on the circular hough transform. , 0, , .		2
308	A New Design of 3-DOF Flexure-mechanism Positioner with Electromagnetic Technology. , 2006, , .		2
309	A framework for human pose estimation by integrating data-driven Markov chain Monte Carlo with multi-objective evolutionary algorithm. , 0, , .		2
310	Hardware Architecture to Realize Multi-layer Image Processing in Real-time. , 2007, , .		2
311	Driver Assistance System Using Integrated Information from Lane Geometry and Vehicle Direction. , 2007, , .		2
312	Actuation Design of Two-Dimensional Self-Reconfigurable Robots. , 2008, , .		2
313	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
314	Upper body tracking for human-machine interaction with a moving camera. , 2009, , .		2
315	Boosting the efficiency of the reliable service management protocol for message-oriented pervasive systems in smart home environments. , 2009, , .		2
316	Apply tapping mode Atomic Force Microscope with CD/DVD pickup head in fluid. , 2010, , .		2
317	Graph isomorphism testing method in a self-recognition Velcro strap modular robot. , 2010, , .		2
318	Enhancement of Human-Preference Assisted Activity Recognition Using a Cooperative ADL Infrastructure. , 2012, , .		2
319	Second-order sliding mode control for passive ranging system in missile interception. , 2012, , .		2
320	An improved predictive current control for interior permanent magnet synchronous motor drives based on current difference detection. , 2012, , .		2
321	A sensorless position control for four-switch three-phase inverter-fed interior permanent magnet synchronous motor drive systems. , 2012, , .		2
322	Nighttime pedestrian detection by selecting strong near-infrared parts and enhanced spatially local model. , 2012, , .		2
323	Grasping the object with collision avoidance of wheeled mobile manipulator in dynamic environments. , 2013, , .		2
324	A joint localizer for finger length measurements. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
325	Depth image based gait tracking and analysis via robotic walker. , 2015, , .		2
326	The manhunt network: People tracking in hybrid-overlapping under the vertical top-view depth camera networks. , 2016, , .		2
327	Adaptive tilting angles for a dual-probe AFM system to increase image accuracy. , 2016, , .		2
328	Precision sinusoidal tracking for galvanometer scanner with smith predictor-based adaptive sliding mode control. , 2016, , .		2
329	An Empirical Study on Engineering a Real-World Smart Ward Using Pervasive Technologies. IEEE Systems Journal, 2018, 12, 240-249.	2.9	2
330	Demand Response in Residential and Commercial Community Considering User Comfort Using Improved Particle Swarm Optimization. , 2018, , .		2
331	A Novel Screening System for Alzheimerâ€™s Disease Based on Speech Transcripts Using Neural Network. , 2019, , .		2
332	Ordered formation control and affine transformation of Multi-Agent Systems without global reference frame. , 2019, , .		2
333	Sensorless Control with Friction and Human Intention Estimation of Exoskeleton Robot for Upper-limb Rehabilitation. , 2019, , .		2
334	Novel Micro Scanning with Integrated Atomic Force Microscope and Confocal Laser Scanning Microscope. , 2019, , .		2
335	AFM Tip Localization on Large Range Sample Using Particle Filter for MEMS Inspection. , 2020, , .		2
336	Towards Effective Robot-Assisted Photo Reminiscence: Personalizing Interactions Through Visual Understanding and Inferring. Lecture Notes in Computer Science, 2021, , 335-349.	1.0	2
337	Context-Aware Personal Diet Suggestion System. Lecture Notes in Computer Science, 2010, , 76-84.	1.0	2
338	A New Robust Model Reference Adaptive Control Using Variable Structure Adaptation for Plants with Relative Degree Two. , 1990, , .		2
339	A Rotating Roll-Call-Based Adaptive Failure Detection and Recovery Protocol for Smart Home Environments. Lecture Notes in Computer Science, 2009, , 201-208.	1.0	2
340	A New Decentralized Model Reference Adaptive Control for a Class of Interconnected Multivariable Plants. , 1991, , .		2
341	A new robust model reference control for a class of multivariable unknown plants. , 1990, , .		1
342	Robust Output Tracking Control of Mismatched Uncertain Nonlinear Systems. , 1991, , .		1

#	ARTICLE	IF	CITATIONS
343	Adaptive Sliding Mode Control for PM Synchronous Motor System Driven by PWM Inverter. , 1993, , .		1
344	Dynamics and controller design of gyroscopic systems. , 0, , .		1
345	Application of image moment flow of a RPP to 6-DOF visual tracking. , 0, , .		1
346	Intelligent fuzzy controller with a sequential learning mechanism. , 0, , .		1
347	A skew-symmetric property of rigid-body systems. Systems and Control Letters, 1998, 33, 187-197.	1.3	1
348	Petri-net and GA based approach to modeling, scheduling, and performance evaluation for wafer fabrication. , 0, , .		1
349	Variable structure based nonlinear missile guidance and autopilot design for a direct hit with thrust vector control. , 0, , .		1
350	An air combat simulator in the virtual reality with the visual tracking system and force-feedback components. , 0, , .		1
351	An intelligent CGSN dispatching mechanism for UMTS. Computer Communications, 2005, 28, 947-955.	3.1	1
352	Automatic probe alignment for atomic force microscope. , 0, , .		1
353	Integrated design of a planar maglev system for micro positioning. , 0, , .		1
354	Backstepping controller design for a planar maglev positioning system. , 0, , .		1
355	Automobile lane detection system-on-chip integrated with mixed signal mode CMOS image sensor. , 0, , .		1
356	Design and Experiment of Range-Extended Fiber Fabry-Perot Interferometer Utilizing the Second Harmonic Displacement Modulation. , 0, , .		1
357	A hybrid system design of a mobile manipulator. , 0, , .		1
358	Using dispatching rules for job shop scheduling with due date-based objectives. , 0, , .		1
359	Power-Efficient Extensible Architecture for RFID-Assisted Multiple Target Tracking. , 2006, , .		1
360	Road detection and classification in urban environments using conditional random field models. , 2006, , .		1

#	ARTICLE	IF	CITATIONS
361	Multiobjective Job Shop Scheduling using Genetic Algorithm with Cyclic Fitness Assignment. , 0, , .		1
362	Real-time multitarget visual tracking with an active camera. , 2007, , .		1
363	A Novel Six-DOF Electromagnetic Precision Positioner Utilizing Hybrid Magnetic and Fluid Mechanism. , 2007, , .		1
364	Implementation of a 6-DOF Precision Positioning Platform for a Injection Molded Part. , 2007, , .		1
365	Predictive Washout Filter Design Using the Forward Kinematics and a Kalman Filter. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	1
366	Multiobjective permutation flowshop scheduling by an adaptive genetic local search algorithm. , 2008, , .		1
367	Output feedback control with a nonlinear observer based forward kinematics solution of a Stewart platform. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	1
368	Effective visual surveillance with cooperation of multiple active cameras. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	1
369	Real-time face tracking and pose estimation with partitioned sampling and relevance vector machine. , 2009, , .		1
370	Analysis and evaluation of system integration models for human-system interaction in UbiComp environments. , 2009, , .		1
371	A human-centric and cooperative architecture for multiple target tracking in a smart home. , 2009, , .		1
372	bSLAM navigation of a Wheeled Mobile Robot in presence of uncertainty in indoor environment. , 2009, , .		1
373	An improved multiobjective memetic algorithm for permutation flow shop scheduling. , 2010, , .		1
374	Unifiable Preference Expressions for Pervasive Service Composition. , 2011, , .		1
375	Simultaneous localization and scene reconstruction with monocular camera. , 2012, , .		1
376	A gravity compensation-based upper limb rehabilitation robot. , 2012, , .		1
377	Design and implementation of a large measurement-range AFM scanning system. , 2012, , .		1
378	Passivity-based adaptive complementary PI sliding-mode speed controller for synchronous reluctance motor using predictive current control. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
379	Online 3D tracking of human arms with a single camera. , 2012, , .		1
380	Hands tracking with self-occlusion handling in cluttered environment. , 2013, , .		1
381	An efficient part-based approach to action recognition from RGB-D video with BoW-pyramid representation. , 2013, , .		1
382	A new compensation framework for LQ control over lossy networks. , 2013, , .		1
383	Adaptive Visual Servoing of Micro Aerial Vehicle with Switched System Model for Obstacle Avoidance. , 2013, , .		1
384	Design and control of phase-detection mode atomic force microscopy for cells precision contour reconstruction under different environments. , 2013, , .		1
385	Vision based gait analysis on robotic walking stabilization system for patients with Parkinson's Disease. , 2014, , .		1
386	Lissajous scan trajectory with internal model principle controller for fast AFM image scanning. , 2015, , .		1
387	Nonparametric Discovery of Contexts and Preferences in Smart Home Environments. , 2015, , .		1
388	Adaptive super-twisting sliding mode control on hydraulic actuator of a 6-DOF parallel manipulator. , 2015, , .		1
389	Daily activity prediction based on spatial-temporal matrix for ongoing videos. , 2015, , .		1
390	Visual servoing with time-delay compensation for humanoid mobile manipulator. , 2017, , .		1
391	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
392	Reinforcement Learning Control for Consensus of the Leader-Follower Multi-Agent Systems. , 2018, , .		1
393	Using Machine Theory of Mind to Learn Agent Social Network Structures from Observed Interactive Behaviors with Targets. , 2020, , .		1
394	A new-designed non-raster scan and precision control for increasing AFM imaging speed. , 2020, , .		1
395	Novel integrated management system design of electric motorcycles. , 2004, , .		1
396	A Robust Model Reference Control Using Variable Structure Design the General Case for Multivariable Plants. , 1992, , .		1

#	ARTICLE	IF	CITATIONS
397	Convergent on-line identification in \hat{H}_∞ for continuous systems. , 1993, , .		1
398	AFM Tip Localization and Efficient Scanning Method for MEMS Inspection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	1
399	Inferring Stressors from Conversation: Towards an Emotional Support Robot Companion. International Journal of Social Robotics, 2022, 14, 1657-1671.	3.1	1
400	New approach combining numerical technique and simulation for analysis of large discrete event systems based on Petri nets. , 0, , .		0
401	Hierarchical Dynamic Scheduling For A Flexible Manufacturing System. , 0, , .		0
402	An adaptive variable structure control for fast time-varying unknown plants. , 0, , .		0
403	Robust tracking of uncertain robotic manipulators using high order nonlinear feedback. , 0, , .		0
404	A new design of adaptive robust fuzzy controller for nonlinear systems. , 0, , .		0
405	Exponentially stable nonlinear field-oriented PI-controller for speed regulation of induction motor. , 0, , .		0
406	Architecture and implementation of a multisensor system for robotic assembly environment. , 0, , .		0
407	Nonlinear adaptive speed and torque servo control of induction motors with unknown rotor resistance. , 1997, , .		0
408	Dynamic scheduling of elevator systems over hybrid Petri net/rule modeling. , 0, , .		0
409	Modeling of priority queueing service in discrete event systems using hybrid Petri nets. , 0, , .		0
410	A new generation of evaluation tool for online design and scheduling in an advanced manufacturing system. , 0, , .		0
411	A new adaptive fuzzy hybrid force/position control for intelligent robot deburring. , 0, , .		0
412	Sensorless speed tracking of induction motor with unknown torque base on maximum power transfer. , 2001, , .		0
413	An effective search strategy for wafer fabrication scheduling with uncertain process requirements. , 0, , .		0
414	A midcourse guidance law for missiles with Thrust Vector Control. , 2001, , .		0

#	ARTICLE	IF	CITATIONS
415	Adaptive decentralized compliant control of robot manipulators. , 2002, , .		0
416	Globally adaptive decentralized control of robot manipulators. , 0, , .		0
417	Nonlinear adaptive control of induction motor with unknown rotor resistance. , 0, , .		0
418	Novel Design and Control Application to a Planar Maglev System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 439-444.	0.4	0
419	Rocket controller design with TVC and DCS. , 0, , .		0
420	Adaptive speed control for linear induction motors considering end effect. , 2003, , .		0
421	Control system design for the PenduLIM: a novel integrated architecture of inverted pendulum and linear induction motor. , 0, , .		0
422	Novel three-dimensional beam tracking system for stationary-sample type atomic force microscopy. , 0, , .		0
423	Design and control of a novel plane Maglev system based on analyzing magnetic force. , 0, , .		0
424	A Virtual Preemption Paradigm for Using Priority Rules to Solve Job Shop Scheduling Problems. , 0, , .		0
425	Switched sliding-mode controller design for a one-dimensional precision platform. , 0, , .		0
426	An iterative refining mechanism for general job shop scheduling problems. , 0, , .		0
427	Visual tracking and servoing system design for circling a target of an air vehicle simulated in virtual reality. , 2005, , .		0
428	Integration of Supervisory and Nonlinear Control for a Heating, Ventilating, and Air Conditioning System. , 0, , .		0
429	A new hybrid system architecture with local feedback control of a wheeled mobile manipulator. , 0, , .		0
430	Automatic Negotiation with Mediated Agents in E-commerce Marketplace. , 0, , .		0
431	Parameter tuning of production scheduling rules by an ant system-embedded genetic algorithm. , 0, , .		0
432	Real-Time Arm Tracking System Using Example-based Matching and Local Optimization. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
433	Measuring the Deflection of the Cantilever in Atomic Force Microscope with an Optical Pickup System. , 2006, , .		0
434	Impulse-Based Dynamic Simulation of Articulated Rigid Bodies with Aerodynamics. , 2006, , .		0
435	Analysis of a Behavior Based Nonholonomic Wheeled Mobile Robot Control With Hybrid System Approach. , 2006, , .		0
436	Modeling and Stability Analysis of the Nonholonomic Multi-Agent Formation Problem. , 2006, , .		0
437	Actuation Design of 2D Rotational Modular Robots. , 2007, , .		0
438	Virtual Conduction System with Multi-Resolution Wall Display. , 2007, , .		0
439	Real-time two-way coupling of ship simulator with virtual reality application. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	0
440	Segmented gesture recognition for controlling character animation. , 2008, , .		0
441	Design of 2D modular robot based on magnetic force analysis. , 2008, , .		0
442	Design and control of tapping mode atomic force microscope in liquid utilizing optical pickup system. , 2008, , .		0
443	A spontaneous preference aware service composition framework for Message-Oriented Pervasive systems. , 2009, , .		0
444	Dynamic state feedback control of robotic formation system. , 2010, , .		0
445	A sliding-mode based guidance law for intercepting missile with passive ranging law. , 2010, , .		0
446	Chattering-free robust nonlinear controller for an interior permanent magnet synchronous motor speed drive system. , 2010, , .		0
447	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
448	Passivity-based adaptive sliding-mode speed control for IPMSM drive systems. , 2011, , .		0
449	Average dwell time condition of unknown switched linear systems with variable structure adaptive backstepping control. , 2012, , .		0
450	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

#	ARTICLE	IF	CITATIONS
451	Design of IMM estimation with differential game based guidance system in maneuvering target interception. , 2013, , .		0
452	On the compensation of LQG over a lossy network utilizing previous control signals. , 2013, , .		0
453	Adaptive state feedback stabilization of uncertain switched nonlinear systems consisting of feedback linearizable non-switching dynamics. , 2013, , .		0
454	Perceiving intimacy from both robot view and first-person view in dyadic human interaction. , 2014, , .		0
455	Daily health assessment system using prediction model for self-rated health by vital sign pattern. , 2014, , .		0
456	Pedestrian detection system in low illumination conditions through Fusion of image and range data. , 2014, , .		0
457	Human-robot interaction with multi-human social pattern inference on a multi-modal robot. , 2014, , .		0
458	An optimal static compensator for output feed-back LQ control across lossy links. , 2014, , .		0
459	Human-Centered Robot Navigation-Towards A Harmoniously Human-Robot Coexisting Environment1. , 2015, , 211-243.		0
460	Privacy free indoor action detection system using top-view depth camera based on key-poses. , 2016, , .		0
461	Model Reference Adaptive Control for Atomic Force Microscope. , 2018, , .		0
462	Dual Null-Space Based Controller Design with Signal Compensation for Formation with Conflicted Tasks. , 2019, , .		0
463	Long-Range AFM Imaging with Modified Cycloid Trajectory. , 2019, , .		0
464	EPSNet: Efficient Panoptic Segmentation Network with Cross-layer Attention Fusion. Lecture Notes in Computer Science, 2021, , 689-705.	1.0	0
465	A Guideline-Driven Platform for Healthcare Services in Smart Home Environments. Lecture Notes in Computer Science, 2010, , 254-258.	1.0	0
466	Output Tracking Control of Nonlinear Systems with Weakly Non-minimum Phase. , 1992, , .		0
467	An Adaptive Variable Structure Control for a Class of Nonlinear Time-Varying Systems. , 1993, , .		0
468	A Hybrid Conversational Agent with Semantic Association of Autobiographic Memories for the Elderly. Lecture Notes in Computer Science, 2020, , 53-66.	1.0	0

#	ARTICLE	IF	CITATIONS
469	Iterative Learning Controller with Learning Gain Optimization and Online Data Adjustment for Atomic Force Microscope. , 2020, , .		0