

# Wen-Hua Chen

## List of Publications by Citations

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

210  
papers

9,857  
citations

35  
h-index

96  
g-index

228  
ext. papers

12,819  
ext. citations

4.2  
avg, IF

7  
L-index

#	Paper	IF	Citations
210	Disturbance-Observer-Based Control and Related Methods—An Overview. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 1083-1095	8.9	1184
209	A nonlinear disturbance observer for robotic manipulators. <i>IEEE Transactions on Industrial Electronics</i> , <b>2000</b> , 47, 932-938	8.9	918
208	Disturbance observer based control for nonlinear systems. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2004</b> , 9, 706-710	5.5	796
207	Adaptive fuzzy tracking control for a class of uncertain MIMO nonlinear systems using disturbance observer. <i>Science China Information Sciences</i> , <b>2014</b> , 57, 1-13	3.4	583
206	Disturbance attenuation and rejection for systems with nonlinearity via DOBC approach. <i>International Journal of Robust and Nonlinear Control</i> , <b>2005</b> , 15, 109-125	3.6	478
205	Generalized Extended State Observer Based Control for Systems With Mismatched Uncertainties. <i>IEEE Transactions on Industrial Electronics</i> , <b>2012</b> , 59, 4792-4802	8.9	429
204	Continuous nonsingular terminal sliding mode control for systems with mismatched disturbances. <i>Automatica</i> , <b>2013</b> , 49, 2287-2291	5.7	371
203	Nonlinear Disturbance Observer-Enhanced Dynamic Inversion Control of Missiles. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2003</b> , 26, 161-166	2.1	355
202	Real-time motion planning methods for autonomous on-road driving: State-of-the-art and future research directions. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2015</b> , 60, 416-442	8.4	349
201	Disturbance/Uncertainty Estimation and Attenuation Techniques in PMSM Drives—A Survey. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 3273-3285	8.9	263
200	Optimal control of nonlinear systems: a predictive control approach. <i>Automatica</i> , <b>2003</b> , 39, 633-641	5.7	235
199	Non-linear disturbance observer-based robust control for systems with mismatched disturbances/uncertainties. <i>IET Control Theory and Applications</i> , <b>2011</b> , 5, 2053-2062	2.5	222
198	High-Order Mismatched Disturbance Compensation for Motion Control Systems Via a Continuous Dynamic Sliding-Mode Approach. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 604-614	11.9	186
197	Tracking control of small-scale helicopters using explicit nonlinear MPC augmented with disturbance observers. <i>Control Engineering Practice</i> , <b>2012</b> , 20, 258-268	3.9	146
196	Robust control of nonlinear MAGLEV suspension system with mismatched uncertainties via DOBC approach. <i>ISA Transactions</i> , <b>2011</b> , 50, 389-96	5.5	145
195	A review of source term estimation methods for atmospheric dispersion events using static or mobile sensors. <i>Information Fusion</i> , <b>2017</b> , 36, 130-148	16.7	139
194	Disturbance Observer Design for Nonlinear Systems Represented by Input-Output Models. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 1222-1232	8.9	125

193	Nonlinear disturbance observer-based control for multi-input multi-output nonlinear systems subject to mismatching condition. <i>International Journal of Control</i> , <b>2012</b> , 85, 1071-1082	1.5	119
192	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2012</b> , 59, 2849-2858	8.9	115
191	Robust Cascaded Nonlinear Predictive Control of a Permanent Magnet Synchronous Motor With Antiwindup Compensator. <i>IEEE Transactions on Industrial Electronics</i> , <b>2012</b> , 59, 3078-3088	8.9	104
190	Wheat yellow rust monitoring by learning from multispectral UAV aerial imagery. <i>Computers and Electronics in Agriculture</i> , <b>2018</b> , 155, 157-166	6.5	97
189	Genetic algorithm based on receding horizon control for arrival sequencing and scheduling. <i>Engineering Applications of Artificial Intelligence</i> , <b>2005</b> , 18, 633-642	7.2	80
188	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2018</b> , 54, 2-17	3.7	73
187	Disturbance-observer-based robust control for time delay uncertain systems. <i>International Journal of Control, Automation and Systems</i> , <b>2010</b> , 8, 445-453	2.9	70
186	Receding horizon control for aircraft arrival sequencing and scheduling. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2005</b> , 6, 189-197	6.1	62
185	. <i>IEEE Transactions on Intelligent Vehicles</i> , <b>2016</b> , 1, 230-243	5	61
184	Backpropagating Constraints-Based Trajectory Tracking Control of a Quadrotor With Constrained Actuator Dynamics and Complex Unknowns. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 1322-1337	7.3	58
183	On existence, optimality and asymptotic stability of the Kalman filter with partially observed inputs. <i>Automatica</i> , <b>2015</b> , 53, 149-154	5.7	50
182	Robust adaptive neural network synchronization controller design for a class of time delay uncertain chaotic systems. <i>Chaos, Solitons and Fractals</i> , <b>2009</b> , 41, 2716-2724	9.3	49
181	Harmonic Disturbance Observer for Nonlinear Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2003</b> , 125, 114-117	1.6	45
180	Aerial Visual Perception in Smart Farming: Field Study of Wheat Yellow Rust Monitoring. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 2242-2249	11.9	44
179	Sliding mode control for a class of uncertain nonlinear system based on disturbance observer. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2009</b> , 24, n/a-n/a	2.8	41
178	A new integrated collision risk assessment methodology for autonomous vehicles. <i>Accident Analysis and Prevention</i> , <b>2019</b> , 127, 61-79	6.1	40
177	Flight Control Design for Small-Scale Helicopter Using Disturbance-Observer-Based Backstepping. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2015</b> , 38, 2235-2240	2.1	36
176	Entrotaxis as a strategy for autonomous search and source reconstruction in turbulent conditions. <i>Information Fusion</i> , <b>2018</b> , 42, 179-189	16.7	35

175	Continuous finite-time anti-disturbance control for a class of uncertain nonlinear systems. <i>Transactions of the Institute of Measurement and Control</i> , <b>2014</b> , 36, 300-311	1.8	35
174	Static disturbance-to-output decoupling for nonlinear systems with arbitrary disturbance relative degree. <i>International Journal of Robust and Nonlinear Control</i> , <b>2013</b> , 23, 562-577	3.6	34
173	Spatio-temporal monitoring of wheat yellow rust using UAV multispectral imagery. <i>Computers and Electronics in Agriculture</i> , <b>2019</b> , 167, 105035	6.5	31
172	Disturbance Rejection Flight Control for Small Fixed-Wing Unmanned Aerial Vehicles. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2016</b> , 39, 2810-2819	2.1	31
171	Multiairport Capacity Management: Genetic Algorithm With Receding Horizon. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2007</b> , 8, 254-263	6.1	31
170	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 5758-5762	8.9	30
169	Prediction of Lane-Changing Maneuvers with Automatic Labeling and Deep Learning. <i>Transportation Research Record</i> , <b>2020</b> , 2674, 336-347	1.7	30
168	Predictive control of general nonlinear systems using approximation. <i>IET Control Theory and Applications</i> , <b>2004</b> , 151, 137-144		30
167	On the terminal region of model predictive control for non-linear systems with input/state constraints. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2003</b> , 17, 195-207	2.8	30
166	Optimal Polygon Decomposition for UAV Survey Coverage Path Planning in Wind. <i>Sensors</i> , <b>2018</b> , 18,	3.8	29
165	On Relationship Between Time-Domain and Frequency-Domain Disturbance Observers and Its Applications. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2016</b> , 138,	1.6	29
164	Output-based disturbance rejection control for non-linear uncertain systems with unknown frequency disturbances using an observer backstepping approach. <i>IET Control Theory and Applications</i> , <b>2016</b> , 10, 1052-1060	2.5	29
163	Online optimisation-based backstepping control design with application to quadrotor. <i>IET Control Theory and Applications</i> , <b>2016</b> , 10, 1601-1611	2.5	29
162	Model-Based Fault Diagnosis System Verification Using Reachability Analysis. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 742-751	7.3	28
161	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2019</b> , 27, 2388-2402	4.8	27
160	Disturbance Observer Based Control with Anti-Windup Applied to a Small Fixed Wing UAV for Disturbance Rejection. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2017</b> , 88, 329-346	2.9	26
159	A machine learning based personalized system for driving state recognition. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2019</b> , 105, 241-261	8.4	26
158	Dimension Reduction Aided Hyperspectral Image Classification with a Small-sized Training Dataset: Experimental Comparisons. <i>Sensors</i> , <b>2017</b> , 17,	3.8	26

157	Boustrophedon coverage path planning for UAV aerial surveys in wind <b>2017</b> ,		23
156	Piecewise constant model predictive control for autonomous helicopters. <i>Robotics and Autonomous Systems</i> , <b>2011</b> , 59, 571-579	3.5	23
155	Predictor-Based Disturbance Rejection Control for Sampled Systems With Input Delay. <i>IEEE Transactions on Control Systems Technology</i> , <b>2019</b> , 27, 772-780	4.8	23
154	Experimental evaluation of UAV spraying for peach trees of different shapes: Effects of operational parameters on droplet distribution. <i>Computers and Electronics in Agriculture</i> , <b>2020</b> , 170, 105282	6.5	22
153	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 3693-3702	11.9	22
152	Stability analysis of classic finite horizon model predictive control. <i>International Journal of Control, Automation and Systems</i> , <b>2010</b> , 8, 187-197	2.9	21
151	New Multiple-Target Tracking Strategy Using Domain Knowledge and Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2017</b> , 47, 605-616	7.3	20
150	Source term estimation of a hazardous airborne release using an unmanned aerial vehicle. <i>Journal of Field Robotics</i> , <b>2019</b> , 36, 797-817	6.7	20
149	Potential Bands of Sentinel-2A Satellite for Classification Problems in Precision Agriculture. <i>International Journal of Automation and Computing</i> , <b>2019</b> , 16, 16-26	3.5	20
148	A Simulation Study of Predicting Real-Time Conflict-Prone Traffic Conditions. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2018</b> , 19, 3196-3207	6.1	19
147	Dynamic decision making in lane change: Game theory with receding horizon <b>2016</b> ,		19
146	Reachability Analysis of Landing Sites for Forced Landing of a UAS. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2014</b> , 73, 635-653	2.9	19
145	On a switching control scheme for nonlinear systems with ill-defined relative degree. <i>Systems and Control Letters</i> , <b>2002</b> , 47, 159-166	2.4	19
144	Review of intelligent sprinkler irrigation technologies for remote autonomous system. <i>International Journal of Agricultural and Biological Engineering</i> , <b>2018</b> , 11, 23-30	1.9	19
143	Robust Control of Uncertain Nonlinear Systems: A Nonlinear DOBC Approach. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2016</b> , 138,	1.6	19
142	Personalized Driver Workload Inference by Learning From Vehicle Related Measurements. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 159-168	7.3	19
141	Sentinel-2 Satellite Imagery for Urban Land Cover Classification by Optimized Random Forest Classifier. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 543	2.6	19
140	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2018</b> , 54, 1066-1081	3.7	18

139	Fast mission reliability prediction for Unmanned Aerial Vehicles. <i>Reliability Engineering and System Safety</i> , <b>2013</b> , 120, 3-9	6.3	18
138	Optimal control for systems with varying sampling rate <b>2002</b> ,		18
137	Nonlinearity Estimator-Based Control of A Class of Uncertain Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 2230-2236	5.9	18
136	Artificial Situation Awareness for Increased Autonomy of Unmanned Aerial Systems in the Terminal Area. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2013</b> , 70, 545-555	2.9	17
135	Trajectory Planning for Communication Relay Unmanned Aerial Vehicles in Urban Dynamic Environments. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2018</b> , 89, 7-25	2.9	16
134	Optimal positioning of communication relay unmanned aerial vehicles in urban environments <b>2016</b> ,		16
133	An Auxiliary Particle Filtering Algorithm With Inequality Constraints. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 4639-4646	5.9	15
132	Model predictive control of nonlinear systems: Stability region and feasible initial control. <i>International Journal of Automation and Computing</i> , <b>2007</b> , 4, 195-202	3.5	15
131	Landing Site Reachability in a Forced Landing of Unmanned Aircraft in Wind. <i>Journal of Aircraft</i> , <b>2017</b> , 54, 1415-1427	1.6	14
130	A Hybrid Approach of Learning and Model-Based Channel Prediction for Communication Relay UAVs in Dynamic Urban Environments. <i>IEEE Robotics and Automation Letters</i> , <b>2019</b> , 4, 2370-2377	4.2	14
129	On the Actuator Dynamics of Dynamic Control Allocation for a Small Fixed-Wing UAV With Direct Lift Control. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 984-991	4.8	14
128	Maintaining synchronization by decentralized feedback control in time delay neural networks with parameter uncertainties. <i>International Journal of Neural Systems</i> , <b>2007</b> , 17, 115-22	6.2	14
127	QFT design for uncertain non-minimum phase and unstable plants revisited. <i>International Journal of Control</i> , <b>2001</b> , 74, 957-965	1.5	14
126	Optimal Path Following for Small Fixed-Wing UAVs Under Wind Disturbances. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 29, 996-1008	4.8	14
125	Further results on Reduced order disturbance observer for discrete-time linear systems□ <i>Automatica</i> , <b>2018</b> , 93, 550-553	5.7	14
124	Robust nonlinear generalised predictive control for a class of uncertain nonlinear systems via an integral sliding mode approach. <i>International Journal of Control</i> , <b>2016</b> , 89, 1698-1710	1.5	13
123	Optimization-Based Safety Analysis of Obstacle Avoidance Systems for Unmanned Aerial Vehicles. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2012</b> , 65, 219-231	2.9	13
122	Attitude control of magnetically actuated satellites with an uneven inertia distribution. <i>Aerospace Science and Technology</i> , <b>2013</b> , 25, 29-39	4.9	13

121	Motion-control techniques of today and tomorrow: a review and discussion of the challenges of controlled motion. <i>IEEE Industrial Electronics Magazine</i> , <b>2020</b> , 14, 41-55	6.2	12
120	Robust nonlinear generalized predictive control of a permanent magnet synchronous motor with an anti-windup compensator <b>2010</b> ,		12
119	Model Predictive Control of Low Earth Orbiting Spacecraft with Magneto-torquers <b>2006</b> ,		12
118	An improved multiple model particle filtering approach for manoeuvring target tracking using airborne GMTI with geographic information. <i>Aerospace Science and Technology</i> , <b>2016</b> , 52, 62-69	4.9	11
117	Model predictive control for constrained systems with uncertain state-delays. <i>International Journal of Robust and Nonlinear Control</i> , <b>2004</b> , 14, 1421-1432	3.6	11
116	Prediction of rear-end conflict frequency using multiple-location traffic parameters. <i>Accident Analysis and Prevention</i> , <b>2021</b> , 152, 106007	6.1	11
115	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2016</b> , 52, 1408-1420	3.7	11
114	Negotiation and Decision-Making for a Pedestrian Roadway Crossing: A Literature Review. <i>Sustainability</i> , <b>2019</b> , 11, 6713	3.6	11
113	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2019</b> , 55, 3492-3504	3.7	10
112	An explicit MPC for quadrotor trajectory tracking <b>2015</b> ,		10
111	Path following for small UAVs in the presence of wind disturbance <b>2012</b> ,		10
110	Model predictive control of low Earth-orbiting satellites using magnetic actuation. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , <b>2008</b> , 222, 619-631	1	10
109	Implicit Personalization in Driving Assistance: State-of-the-Art and Open Issues. <i>IEEE Transactions on Intelligent Vehicles</i> , <b>2020</b> , 5, 397-413	5	10
108	Site Selection During Unmanned Aerial System Forced Landings Using Decision-Making Bayesian Networks. <i>Journal of Aerospace Information Systems</i> , <b>2016</b> , 13, 491-495	1	10
107	Bayesian Multiple Extended Target Tracking Using Labeled Random Finite Sets and Splines. <i>IEEE Transactions on Signal Processing</i> , <b>2018</b> , 66, 6076-6091	4.8	10
106	Reduced-order disturbance observer design for discrete-time linear stochastic systems. <i>Transactions of the Institute of Measurement and Control</i> , <b>2016</b> , 38, 657-664	1.8	9
105	Chattering-free condition for sliding mode control with unidirectional auxiliary surfaces. <i>Transactions of the Institute of Measurement and Control</i> , <b>2013</b> , 35, 593-605	1.8	9
104	Control of sampled-data systems with variable sampling rate. <i>International Journal of Systems Science</i> , <b>2006</b> , 37, 609-618	2.3	9

103	Constrained predictive pole-placement control with linear models. <i>Automatica</i> , <b>2006</b> , 42, 613-618	5.7	9
102	Optimisation of attraction domains of nonlinear MPC via LMI methods <b>2001</b> ,		9
101	. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2019</b> , 6, 1220-1229	7	9
100	Simultaneous state and input estimation with partial information on the inputs. <i>Systems Science and Control Engineering</i> , <b>2015</b> , 3, 445-452	2	8
99	High order disturbance observer design for linear and nonlinear systems <b>2015</b> ,		8
98	Constrained anti-disturbance control for a quadrotor based on differential flatness. <i>International Journal of Systems Science</i> , <b>2017</b> , 48, 1182-1193	2.3	8
97	Trajectory tracking of small helicopters using explicit nonlinear MPC and DOBC. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 1498-1503		8
96	Crash Risk Estimation Due to Lane Changing: A Data-Driven Approach Using Naturalistic Data. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 1-10	6.1	8
95	. <i>IEEE Access</i> , <b>2020</b> , 8, 185079-185092	3.5	8
94	Worst-case analysis of moving obstacle avoidance systems for unmanned vehicles. <i>Robotica</i> , <b>2015</b> , 33, 807-827	2.1	7
93	Fault diagnosis for vehicle lateral dynamics with robust threshold <b>2016</b> ,		7
92	Prediction of air-to-ground communication strength for relay UAV trajectory planner in urban environments <b>2017</b> ,		7
91	Adaptive Bayesian Sensor Motion Planning for Hazardous Source Term Reconstruction. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 2812-2817	0.7	7
90	Variable sampling-time nonlinear model predictive control of satellites using magneto-torquers. <i>Systems Science and Control Engineering</i> , <b>2014</b> , 2, 593-601	2	7
89	Stability Analysis of Constrained Nonlinear Model Predictive Control with Terminal Weighting. <i>Asian Journal of Control</i> , <b>2012</b> , 14, 1374-1381	1.7	7
88	Plant Template Generation for Uncertain Plants in Quantitative Feedback Theory. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1999</b> , 121, 358-364	1.6	7
87	Decomposition-based mission planning for fixed-wing UAVs surveying in wind. <i>Journal of Field Robotics</i> , <b>2020</b> , 37, 440-465	6.7	7
86	New Driver Workload Prediction Using Clustering-Aided Approaches. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 64-70	7.3	7



85	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2020</b> , 56, 313-325	3.7	7
84	State dependent multiple model-based particle filtering for ballistic missile tracking in a low-observable environment. <i>Aerospace Science and Technology</i> , <b>2017</b> , 67, 144-154	4.9	6
83	Communication-Aware Trajectory Planning for Unmanned Aerial Vehicles in Urban Environments. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2018</b> , 41, 2271-2282	2.1	6
82	Disturbance observer based fault diagnosis <b>2014</b> ,		6
81	Optimisation based control framework for autonomous vehicles: Algorithm and experiment <b>2010</b> ,		6
80	Regulation of Magnetically Actuated Satellites using Model Predictive Control with Disturbance Modelling <b>2008</b> ,		6
79	Model predictive control for non-linear missiles. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , <b>2007</b> , 221, 1077-1089	1	6
78	Enhanced situation awareness for unmanned aerial vehicle operating in terminal areas with circuit flight rules. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , <b>2016</b> , 230, 1683-1693	0.9	6
77	State and parameter estimation of the AquaCrop model for winter wheat using sensitivity informed particle filter. <i>Computers and Electronics in Agriculture</i> , <b>2021</b> , 180, 105909	6.5	6
76	<b>2018</b> ,		6
75	Probabilistic faster R-CNN with stochastic region proposing: Towards object detection and recognition in remote sensing imagery. <i>Neurocomputing</i> , <b>2021</b> , 459, 290-301	5.4	6
74	Image segmentation for automated taxiing of Unmanned Aircraft <b>2015</b> ,		5
73	Communication-aware convoy following guidance for UAVs in a complex urban environment <b>2016</b> ,		5
72	Machine Vision for UAS Ground Operations. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2017</b> , 88, 527-546	2.9	5
71	Trajectory generation for autonomous soaring UAS. <i>International Journal of Automation and Computing</i> , <b>2012</b> , 9, 248-256	3.5	5
70	Road network based vehicle navigation using an improved IMM particle filter*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 193-198		5
69	Disturbance observer based control for nonlinear MAGLEV suspension system <b>2010</b> ,		5
68	Path-following control for small fixed-wing unmanned aerial vehicles under wind disturbances. <i>International Journal of Robust and Nonlinear Control</i> , <b>2012</b> , 23, n/a-n/a	3.6	5

67	Experimental tests of autonomous ground vehicles with preview. <i>International Journal of Automation and Computing</i> , <b>2010</b> , 7, 342-348	3.5	5
66	Output feedback H <sub>∞</sub> control for a class of uncertain nonlinear discrete-time delay systems. <i>Transactions of the Institute of Measurement and Control</i> , <b>2003</b> , 25, 107-121	1.8	5
65	Unmanned Aerial Vehicle-Based Hazardous Materials Response: Information-Theoretic Hazardous Source Search and Reconstruction. <i>IEEE Robotics and Automation Magazine</i> , <b>2020</b> , 27, 108-119	3.4	5
64	Nonlinear composite bilateral control framework for n-DOF teleoperation systems with disturbances. <i>Science China Information Sciences</i> , <b>2018</b> , 61, 1	3.4	4
63	Reachability analysis of landing sites for forced landing of a UAS <b>2013</b> ,		4
62	Automatic differentiation based nonlinear model predictive control of satellites using magneto-torquers <b>2009</b> ,		4
61	Receding Horizon Control for Airport Capacity Management. <i>IEEE Transactions on Control Systems Technology</i> , <b>2007</b> , 15, 1131-1136	4.8	4
60	Maximisation of feasibility/stability regions of model predictive control for constrained linear systems. <i>IET Control Theory and Applications</i> , <b>2002</b> , 149, 243-246		4
59	Joint State and Fault Estimation of Complex Networks under Measurement Saturations and Stochastic Nonlinearities. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , <b>2022</b> , 1-1	2.8	4
58	Interaction of automated driving systems with pedestrians: challenges, current solutions, and recommendations for eHMs. <i>Transport Reviews</i> , 1-26	9.9	4
57	<b>2016</b> ,		4
56	Recursive filter with partial knowledge on inputs and outputs. <i>International Journal of Automation and Computing</i> , <b>2015</b> , 12, 35-42	3.5	3
55	Output feedback control for mobile robot systems with significant external disturbances. <i>Science China Information Sciences</i> , <b>2020</b> , 63, 1	3.4	3
54	Joint Retrieval of Growing Season Corn Canopy LAI and Leaf Chlorophyll Content by Fusing Sentinel-2 and MODIS Images. <i>Remote Sensing</i> , <b>2019</b> , 11, 2409	5	3
53	Truncated unscented particle filter for dealing with non-linear inequality constraints <b>2014</b> ,		3
52	Hierarchical path planning and flight control of small autonomous helicopters using MPC techniques <b>2013</b> ,		3
51	<b>2014</b> ,		3
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49	Nonlinear Disturbance Observer Based Control for Nonlinear Systems with Harmonic Disturbances. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2001</b> , 34, 329-334		3
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