

Ben M Chen

List of Publications by Year in Descending Order

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

272
papers

5,707
citations

37
h-index

67
g-index

333
ext. papers

7,353
ext. citations

3.2
avg, IF

6
L-index

#	Paper	IF	Citations
272	FG-Net: A Fast and Accurate Framework for Large-Scale LiDAR Point Cloud Understanding.. <i>IEEE Transactions on Cybernetics</i> , 2022 , PP,	10.2	1
271	GPU-accelerated Incremental Euclidean Distance Transform for Online Motion Planning of Mobile Robots. <i>IEEE Robotics and Automation Letters</i> , 2022 , 1-1	4.2	0
270	A Memetic Algorithm for Curvature-Constrained Path Planning of Messenger UAV in Air-Ground Coordination. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 1-15	4.9	1
269	Semi-global leader-following output consensus of heterogeneous systems with position and rate-limited actuators via state feedback 2021 ,		1
268	Semi-global leader-following output consensus of heterogeneous systems subject to actuator position and rate saturation. <i>Autonomous Intelligent Systems</i> , 2021 , 1, 1		0
267	Survey on the Development of Aerial/Aquatic Hybrid Vehicles. <i>Unmanned Systems</i> , 2021 , 09, 263-282	3	3
266	Smooth quadrotor trajectory generation for tracking a moving target in cluttered environments. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	5
265	Decentralized MPC-Based Trajectory Generation for Multiple Quadrotors in Cluttered Environments. <i>Research on World Agricultural Economy</i> , 2021 , 01, 2150007		1
264	IPMGAN: Integrating physical model and generative adversarial network for underwater image enhancement. <i>Neurocomputing</i> , 2021 , 453, 538-551	5.4	7
263	Multivehicle Flocking With Collision Avoidance via Distributed Model Predictive Control. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2651-2662	10.2	8
262	GTO-MPC Based Target Chasing using a Quadrotor in Cluttered Environments. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	0
261	A Survey of Motion and Task Planning Techniques for Unmanned Multicopter Systems. <i>Unmanned Systems</i> , 2021 , 09, 165-198	3	7
260	A GPU Mapping System for Real-time Robot Motion Planning 2021 ,		1
259	Toward Autonomy of Micro Aerial Vehicles in Unknown and Global Positioning System Denied Environments. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 7642-7651	8.9	8
258	On the Trends of Autonomous Unmanned Systems Research. <i>Engineering</i> , 2021 ,	9.7	1
257	Formation Control of Euler-Lagrange Systems of Leaders with Bounded Unknown Inputs. <i>IFAC-PapersOnLine</i> , 2020 , 53, 4138-4144	0.7	
256	MLFcGAN: Multilevel Feature Fusion-Based Conditional GAN for Underwater Image Color Correction. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1488-1492	4.1	19

255	A Lightweight Waterproof Casing for an Aquatic UAV using Rapid Prototyping 2020,		1
254	Thruster Allocation and Mapping of Aerial and Aquatic Modes for a Morphable Multimodal Quadrotor. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 25, 2065-2074	5.5	7
253	A Morphable Aerial-Aquatic Quadrotor with Coupled Symmetric Thrust Vectoring 2020,		6
252	Safe navigation of quadrotors with jerk limited trajectory. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2019 , 20, 107-119	2.2	7
251	A lightweight autonomous MAV for indoor search and rescue. <i>Asian Journal of Control</i> , 2019 , 21, 1732-1744		6
250	Model Predictive Local Motion Planning With Boundary State Constrained Primitives. <i>IEEE Robotics and Automation Letters</i> , 2019 , 4, 3577-3584	4.2	14
249	Axis-coupled trajectory generation for chains of integrators through smoothing splines. <i>Control Theory and Technology</i> , 2019 , 17, 48-61	1	1
248	Design of a Morphable Multirotor Aerial-Aquatic Vehicle 2019,		5
247	Deep Learning Based Automatic Crack Detection and Segmentation for Unmanned Aerial Vehicle Inspections 2019,		6
246	Motor-propeller Matching of Aerial Propulsion Systems for Direct Aerial-aquatic Operation 2019,		4
245	MLFFNet: Multi-level Feature Fusion Net for Underwater Image Enhancement 2019,		1
244	Autonomous task planning and acting for micro aerial vehicles 2019,		2
243	Vision-Based Target Three-Dimensional Geolocation Using Unmanned Aerial Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 8052-8061	8.9	18
242	Design and Implementation of a Hybrid UAV With Model-Based Flight Capabilities. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 1114-1125	5.5	19
241	High-Precision Multi-UAV Teaming for the First Outdoor Night Show in Singapore. <i>Unmanned Systems</i> , 2018 , 06, 39-65	3	12
240	Cooperative control of multiple unmanned aerial systems for heavy duty carrying. <i>Annual Reviews in Control</i> , 2018 , 46, 44-57	10.3	7
239	Accurate 3D Localization for MAV Swarms by UWB and IMU Fusion 2018,		30
238	Efficient safe corridor navigation with jerk limited trajectory for quadrotors 2018,		2

237	SO-Net: Self-Organizing Network for Point Cloud Analysis 2018 ,		293
236	Optimal Constrained Trajectory Generation for Quadrotors Through Smoothing Splines 2018 ,		5
235	Underwater Depth Map Estimation from Video Sequence with Graph Cuts 2018 ,		1
234	A 3D Rotating Laser-Based Navigation Solution for Micro Aerial Vehicles in Dynamic Environments. <i>Unmanned Systems</i> , 2018 , 06, 297-305	3	4
233	Development of an Autonomous Unmanned Surface Vehicle with Object Detection Using Deep Learning 2018 ,		5
232	Nonlinear Flight Control Design for Maneuvering Flight of Quadrotors in High Speed and Large Acceleration 2018 ,		3
231	A modular mission management system for micro aerial vehicles 2018 ,		2
230	A Fast Stereo Visual-Inertial Odometry for MAVs 2018 ,		1
229	Systematic Modeling of Rotor-Driving Dynamics for Small Unmanned Aerial Vehicles. <i>Unmanned Systems</i> , 2018 , 06, 81-93	3	2
228	Autonomous reconfigurable hybrid tail-sitter UAV U-Lion. <i>Science China Information Sciences</i> , 2017 , 60, 1	3,4	20
227	Towards the realtime sampling-based kinodynamic planning for quadcopters 2017 ,		3
226	Hydrodynamic modelling for a small-scale underwater vehicle using computational fluid dynamics 2017 ,		2
225	Vision-aided tracking of a moving ground vehicle with a hybrid UAV 2017 ,		4
224	Online schedule for autonomy of multiple unmanned aerial vehicles. <i>Science China Information Sciences</i> , 2017 , 60, 1	3,4	8
223	Robust autonomous flight and mission management for MAVs in GPS-denied environments 2017 ,		3
222	Full envelope dynamics modeling and simulation for tail-sitter hybrid UAVs 2017 ,		3
221	Dynamically feasible trajectory generation method for quadrotor unmanned vehicles with state constraints 2017 ,		3
220	Deep learning for 2D scan matching and loop closure 2017 ,		21

219	Model based robust forward transition control for tail-sitter hybrid unmanned aerial vehicles 2017,		2
218	Model-based optimal auto-transition and control synthesis for tail-sitter UAV KH-Lion 2017,		6
217	Vision-aided Estimation of Attitude, Velocity, and Inertial Measurement Bias for UAV Stabilization. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016 , 81, 531-549	2.9	20
216	Design and implementation of an unmanned aerial vehicle for autonomous firefighting missions 2016,		13
215	A systematic design approach for an unconventional UAV J-Lion with extensible morphing wings 2016,		3
214	System integration of a vision-guided UAV for autonomous landing on moving platform 2016,		13
213	An autonomous quadrotor for indoor exploration with laser scanner and depth camera 2016,		2
212	2016,		9
211	Semi-dense motion segmentation for moving cameras by discrete energy minimization 2016,		1
210	Search and Rescue Using Multiple Drones in Post-Disaster Situation. <i>Unmanned Systems</i> , 2016 , 04, 83-96	3	11
209	Autonomous Navigation of UAV in Foliage Environment. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016 , 84, 259-276	2.9	25
208	A brief survey of visual odometry for micro aerial vehicles 2016,		1
207	Survey of autopilot for multi-rotor unmanned aerial vehicles 2016,		6
206	Long-term cooperative tracking using multiple unmanned aerial vehicles 2016,		1
205	Flight Control Law Using Composite Nonlinear Feedback Technique for a Mars Airplane. <i>Journal of Guidance, Control, and Dynamics</i> , 2016 , 39, 2199-2204	2.1	5
204	A robust online path planning approach in cluttered environments for micro rotorcraft drones. <i>Control Theory and Technology</i> , 2016 , 14, 83-96	1	25
203	Aggressive maneuvers of a quadrotor MAV based on composite nonlinear feedback control 2016,		1
202	Development of an unmanned aerial vehicle for rooftop landing and surveillance 2015,		4

201	Drones for cooperative search and rescue in post-disaster situation 2015 ,		15
200	Systems design and implementation with jerk-optimized trajectory generation for UAV calligraphy. <i>Mechatronics</i> , 2015 , 30, 65-75	3	21
199	Design and Implementation of a Thrust-Vectored Unmanned Tail-Sitter with Reconfigurable Wings. <i>Unmanned Systems</i> , 2015 , 03, 143-162	3	8
198	Development of an Unmanned Helicopter for Vertical Replenishment. <i>Unmanned Systems</i> , 2015 , 03, 63-87	3	7
197	Monocular vision-based autonomous navigation system on a toy quadcopter in unknown environments 2015 ,		6
196	Systematic Design Methodology and Construction of Micro Aerial Quadrotor Vehicles 2015 , 181-206		2
195	Google map aided visual navigation for UAVs in GPS-denied environment 2015 ,		17
194	Market turning points forecasting using wavelet analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 437, 184-197	3.3	10
193	Wide area surveillance of urban environments using multiple Mini-VTOL UAVs 2015 ,		2
192	A high fidelity simulator for a quadrotor UAV using ROS and Gazebo 2015 ,		9
191	. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 1210-1219	8.9	48
190	Guidance, navigation and control of an unmanned helicopter for automatic cargo transportation 2014 ,		7
189	A robust vision system for a UAV transporting cargoes between moving platforms 2014 ,		1
188	Autonomous navigation of UAV in forest 2014 ,		9
187	Development of an unmanned tail-sitter with reconfigurable wings: U-Lion 2014 ,		8
186	Hierarchical hybrid modelling and control of an unmanned helicopter. <i>International Journal of Control</i> , 2014 , 87, 1779-1793	1.5	10
185	An efficient UAV navigation solution for confined but partially known indoor environments 2014 ,		10
184	Bisimilarity enforcing supervisory control for deterministic specifications. <i>Automatica</i> , 2014 , 50, 287-290	5.7	8

183	Identification of stock market forces in the system adaptation framework. <i>Information Sciences</i> , 2014 , 265, 105-122	7.7	6
182	Optimal deployment of mobile sensors for target tracking in 2D and 3D spaces. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2014 , 1, 24-30	7	8
181	Finite-time stabilisation of cyclic formations using bearing-only measurements. <i>International Journal of Control</i> , 2014 , 87, 715-727	1.5	27
180	Systematic Design and Implementation of a Micro Unmanned Quadrotor System. <i>Unmanned Systems</i> , 2014 , 02, 121-141	3	21
179	Vision-based formation for UAVs 2014 ,		14
178	Explicit model identification and control of a micro aerial vehicle 2014 ,		1
177	UAV calligraphy 2014 ,		3
176	Autonomous mission execution for multiple unmanned aerial vehicles with hierarchical-distributed methodology 2014 ,		1
175	Distributed control of angle-constrained cyclic formations using bearing-only measurements. <i>Systems and Control Letters</i> , 2014 , 63, 12-24	2.4	50
174	Design and Implementation of a Flight Control System for an Unmanned Rotorcraft using RPT Control Approach. <i>Asian Journal of Control</i> , 2013 , 15, 95-119	1.7	27
173	Structural controllability of switched linear systems. <i>Automatica</i> , 2013 , 49, 3531-3537	5.7	42
172	A mono-camera and scanning laser range finder based UAV indoor navigation system 2013 ,		18
171	UAV LiDAR for below-canopy forest surveys. <i>Journal of Unmanned Vehicle Systems</i> , 2013 , 01, 61-68	2.7	71
170	Optimal sensor placement for target localisation and tracking in 2D and 3D. <i>International Journal of Control</i> , 2013 , 86, 1687-1704	1.5	55
169	Discrete-time mode switching control with application to a PMSM position servo system. <i>Mechatronics</i> , 2013 , 23, 1191-1201	3	13
168	A bumpless hybrid supervisory control algorithm for the formation of unmanned helicopters. <i>Mechatronics</i> , 2013 , 23, 677-688	3	8
167	Graph-theoretic characterisations of structural controllability for multi-agent system with switching topology. <i>International Journal of Control</i> , 2013 , 86, 222-231	1.5	29
166	Hybrid three-dimensional formation control for unmanned helicopters. <i>Automatica</i> , 2013 , 49, 424-433	5.7	80

165	Development of an Unmanned Coaxial Rotorcraft for the DARPA UAVForge Challenge. <i>Unmanned Systems</i> , 2013 , 01, 211-245	3	16
164	Distributed control of angle-constrained circular formations using bearing-only measurements 2013 ,		5
163	Platform design and mathematical modeling of an ultralight quadrotor micro aerial vehicle 2013 ,		7
162	Finite-time stabilization of circular formations using bearing-only measurements 2013 ,		3
161	A smooth hybrid symbolic control for the formation of UAVs over a partitioned space 2013 ,		4
160	A customized fastslam algorithm using scanning laser range finder in structured indoor environments 2013 ,		4
159	VARIANT FACTOR TECHNIQUE FOR TRACKING CONTROL OF A CLASS OF NONLINEAR SYSTEMS WITH INPUT SATURATION. <i>Control and Intelligent Systems</i> , 2013 , 41,		2
158	Development of an Unconventional Unmanned Coaxial Rotorcraft: GremLion. <i>Lecture Notes in Computer Science</i> , 2013 , 120-129	0.9	
157	. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 1038-1049	8.9	74
156	Modeling and forecasting of stock markets under a system adaptation framework. <i>Journal of Systems Science and Complexity</i> , 2012 , 25, 641-674	1	5
155	Design and mathematical modeling of a 4-standard-propeller (4SP) quadrotor 2012 ,		18
154	An input-output simulation approach to controlling multi-affine systems for linear temporal logic specifications. <i>International Journal of Control</i> , 2012 , 85, 1464-1476	1.5	
153	Minimum-time trajectory planning for helicopter UAVs using computational dynamic optimization 2012 ,		2
152	Optimal placement of bearing-only sensors for target localization 2012 ,		4
151	Formation flight of unmanned rotorcraft based on robust and perfect tracking approach 2012 ,		1
150	Comprehensive Nonlinear Modeling of a Miniature Unmanned Helicopter. <i>Journal of the American Helicopter Society</i> , 2012 , 57, 1-13	1.2	13
149	Nonlinear modeling of a miniature fixed-pitch coaxial UAV 2012 ,		1
148	DESIGN AND CONSTRUCTION METHODOLOGY OF AN INDOOR UAV SYSTEM WITH EMBEDDED VISION. <i>Control and Intelligent Systems</i> , 2012 , 40,		2

147	Unmanned Rotorcraft Systems. <i>Advances in Industrial Control</i> , 2011 ,	0.3	147
146	A Composed Hybrid Structure for the Autonomous Flight Control of Unmanned Helicopters. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 2632-2637		0
145	Minimum time control of helicopter UAVs using computational dynamic optimization 2011 ,		6
144	A comprehensive software system architecture for unmanned aerial vehicles 2011 ,		1
143	Hybrid formation control of the Unmanned Aerial Vehicles. <i>Mechatronics</i> , 2011 , 21, 886-898	3	35
142	Design and implementation of a robust and nonlinear flight control system for an unmanned helicopter. <i>Mechatronics</i> , 2011 , 21, 803-820	3	93
141	Special Issue on Development of Autonomous Unmanned Aerial Vehicles. <i>Mechatronics</i> , 2011 , 21, 763-764		8
140	GPS signal enhancement and attitude determination for a mini and low-cost unmanned aerial vehicle. <i>Transactions of the Institute of Measurement and Control</i> , 2011 , 33, 665-682	1.8	4
139	Null controllability of planar bimodal piecewise linear systems. <i>International Journal of Control</i> , 2011 , 84, 766-782	1.5	6
138	Identification of stock market forces in the system adaptation framework 2011 ,		1
137	DEVELOPMENT OF A COMPREHENSIVE SOFTWARE SYSTEM FOR IMPLEMENTING COOPERATIVE CONTROL OF MULTIPLE UNMANNED AERIAL VEHICLES. <i>International Journal of Robotics and Automation</i> , 2011 , 26,	1.3	2
136	Software Design and Integration. <i>Advances in Industrial Control</i> , 2011 , 59-81	0.3	
135	Flight Formation of Multiple UAVs. <i>Advances in Industrial Control</i> , 2011 , 205-221	0.3	0
134	Measurement Signal Enhancement. <i>Advances in Industrial Control</i> , 2011 , 83-96	0.3	1
133	Vision-Based Target Following. <i>Advances in Industrial Control</i> , 2011 , 223-254	0.3	
132	Outer-Loop Flight Control. <i>Advances in Industrial Control</i> , 2011 , 161-178	0.3	1
131	Inner-Loop Flight Control. <i>Advances in Industrial Control</i> , 2011 , 137-160	0.3	
130	Multi-layer flight control synthesis and analysis of a small-scale UAV helicopter 2010 ,		10

129	Implementation of formation flight of multiple unmanned aerial vehicles 2010 ,		3
128	An indoor unmanned coaxial rotorcraft system with vision positioning 2010 ,		2
127	Identification of market forces in the financial system adaptation framework 2010 ,		3
126	. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 1735-1745	8.9	86
125	A brief overview on miniature fixed-wing unmanned aerial vehicles 2010 ,		18
124	Flight control design with hierarchical dynamic inversion 2010 ,		3
123	Autonomous Mini-UAV for indoor flight with embedded on-board vision processing as navigation system 2010 ,		3
122	Vision aided motion estimation for unmanned helicopters in GPS denied environments 2010 ,		1
121	Graphic interpretations of structural controllability for switched linear systems 2010 ,		4
120	A robust vision system on an unmanned helicopter for ground target seeking and following 2010 ,		3
119	. <i>IEEE Transactions on Control Systems Technology</i> , 2010 , 18, 294-306	4.8	15
118	An overview on development of miniature unmanned rotorcraft systems. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2010 , 5, 1-14		37
117	A MATLAB toolkit for composite nonlinear feedback control ¶improving transient response in tracking control. <i>Journal of Control Theory and Applications</i> , 2010 , 8, 271-279		8
116	Design and implementation of a leader-follower cooperative control system for unmanned helicopters. <i>Journal of Control Theory and Applications</i> , 2010 , 8, 61-68		49
115	Development of a comprehensive software system for implementing cooperative control of multiple unmanned aerial vehicles 2009 ,		4
114	Modeling and analysis of financial markets using system adaptation and frequency domain approach 2009 ,		4
113	Optimal nonlinear gain tuning of composite nonlinear feedback controller and its application to a hard disk drive servo system 2009 ,		1
112	Problem 8.2 Non-iterative computation of optimal value in H _∞ control 2009 , 271-275		

111	Improved disturbance rejection with online adaptive pole-zero compensation on a Eshaped PZT active suspension. <i>Microsystem Technologies</i> , 2009 , 15, 1499-1508	1.7	7
110	H-Infinity Static Output-feedback Control for Rotorcraft. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2009 , 54, 629-646	2.9	76
109	Development of a vision-based ground target detection and tracking system for a small unmanned helicopter. <i>Science in China Series F: Information Sciences</i> , 2009 , 52, 2201-2215		18
108	Design, fabrication, sensor fusion, and control of a micro XY stage media platform for probe-based storage systems. <i>Mechatronics</i> , 2009 , 19, 1158-1168	3	15
107	Design and implementation of a hardware-in-the-loop simulation system for small-scale UAV helicopters. <i>Mechatronics</i> , 2009 , 19, 1057-1066	3	69
106	Design and implementation of an autonomous flight control law for a UAV helicopter. <i>Automatica</i> , 2009 , 45, 2333-2338	5.7	104
105	Developments in hybrid modeling and control of Unmanned Aerial Vehicles 2009 ,		2
104	A graph-theoretic characterization of structural controllability for multi-agent system with switching topology 2009 ,		11
103	Assignment of Complete Structural Properties of Linear Systems via Sensor Selection. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 2072-2086	5.9	0
102	H-disturbance observer design for high precision track following in hard disk drives. <i>IET Control Theory and Applications</i> , 2009 , 3, 1591-1598	2.5	27
101	Servo Control Design for a High TPI Servo Track Writer With Microactuators. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 2227-2234	2	2
100	Midfrequency Runout Compensation in Hard Disk Drives Via a Time-Varying Group Filtering Scheme. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 4769-4779	2	4
99	Comprehensive Nonlinear Modeling of an Unmanned-Aerial-Vehicle Helicopter 2008 ,		23
98	. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 3426-3434	8.9	104
97	Design and implementation of a hardware-in-the-loop simulation system for small-scale UAV helicopters 2008 ,		4
96	Construction, modeling and control of a mini autonomous UAV helicopter 2008 ,		2
95	Structured H-Infinity Command and Control-Loop Design for Unmanned Helicopters. <i>Journal of Guidance, Control, and Dynamics</i> , 2008 , 31, 1093-1102	2.1	86
94	A leader-follower formation flight control scheme for UAV helicopters 2008 ,		11

93	Explicit constructions of global stabilization and nonlinear H_∞ control laws for a class of nonminimum phase nonlinear multivariable systems. <i>International Journal of Robust and Nonlinear Control</i> , 2008 , 18, 1257-1284	3.6	1
92	Systematic design methodology and construction of UAV helicopters. <i>Mechatronics</i> , 2008 , 18, 545-558	3	55
91	Explicit construction of H_∞ control law for a class of nonminimum phase nonlinear systems. <i>Automatica</i> , 2008 , 44, 738-744	5.7	3
90	Interconnection of Kronecker canonical form and special coordinate basis of multivariable linear systems. <i>Systems and Control Letters</i> , 2008 , 57, 28-33	2.4	2
89	Enhancement of GPS Signals for Automatic Control of a UAV Helicopter System 2007 ,		11
88	. <i>IEEE Industrial Electronics Magazine</i> , 2007 , 54, 1375-1386	6.2	21
87	Improving transient performance in tracking control for linear multivariable discrete-time systems with input saturation. <i>Systems and Control Letters</i> , 2007 , 56, 25-33	2.4	20
86	Further results on structural assignment of linear systems via sensor selection. <i>Automatica</i> , 2007 , 43, 1631-1639	5.7	1
85	. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 2029-2037	2	11
84	Enhanced disturbance suppression in sampled-data systems and its application to high density data storage servos. <i>Microsystem Technologies</i> , 2007 , 13, 911-921	1.7	2
83	Structural Decomposition and its Properties of Linear Multivariable Singular Systems. <i>Journal of Systems Science and Complexity</i> , 2007 , 20, 198-214	1	3
82	Development of a Real-time Onboard and Ground Station Software System for a UAV Helicopter. <i>Journal of Aerospace Computing, Information, and Communication</i> , 2007 , 4, 933-955		41
81	Improving Transient Performance in Tracking General References Using Composite Nonlinear Feedback Control and Its Application to High-Speed $\$XY\$$ -Table Positioning Mechanism. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 1039-1051	8.9	71
80	Improvement of transient performance in tracking control for discrete-time systems with input saturation and disturbances. <i>IET Control Theory and Applications</i> , 2007 , 1, 65-74	2.5	11
79	A Modified Dynamic Model for Shear Stress Induced ATP Release from Vascular Endothelial Cells. <i>Lecture Notes in Computer Science</i> , 2007 , 462-472	0.9	1
78	On selection of nonlinear gain in composite nonlinear feedback control for a class of linear systems 2007 ,		7
77	Attitude Control System Design for Unmanned Aerial Vehicles using H-Infinity and Loop-shaping Methods 2007 ,		9
76	On Improving Transient Performance in Tracking Control for a Class of Nonlinear Discrete-Time Systems With Input Saturation. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 1307-1313	5.9	24

75	Adaptive estimation and rejection of unknown sinusoidal disturbances through measurement feedback for a class of non-minimum phase non-linear MIMO systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2006 , 20, 77-97	2.8	19
74	Generalized Composite Nonlinear Feedback Control Technique to Track Non-step References 2006 ,		2
73	Comprehensive Modeling and Control of the Yaw Dynamics of a UAV Helicopter 2006 ,		5
72	Explicit Constructions of Global Stabilization Control Laws for a Class of Nonminimum Phase Nonlinear Systems 2006 ,		3
71	Symbolic realization of asymptotic time-scale and eigenstructure assignment design method in multivariable control. <i>International Journal of Control</i> , 2006 , 79, 1471-1484	1.5	5
70	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2006 , 11, 328-338	5.5	42
69	Modeling and Control System Design for a UAV Helicopter 2006 ,		31
68	A partition approach for the restoration of camera images of planar and curled document. <i>Image and Vision Computing</i> , 2006 , 24, 837-848	3.7	16
67	On improvement of transient performance in tracking control for a class of nonlinear systems with input saturation. <i>Systems and Control Letters</i> , 2006 , 55, 132-138	2.4	44
66	. <i>IEEE Transactions on Control Systems Technology</i> , 2005 , 13, 708-721	4.8	73
65	INTERCONNECTION OF THE KRONECKER FORM AND SPECIAL COORDINATE BASIS OF GENERAL MULTIVARIABLE LINEAR SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 113-118		
64	COMPOSITE NONLINEAR FEEDBACK CONTROL FOR A CLASS OF NONLINEAR SYSTEMS WITH INPUT SATURATION. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 622-627		2
63	Composite nonlinear control with state and measurement feedback for general multivariable systems with input saturation. <i>Systems and Control Letters</i> , 2005 , 54, 455-469	2.4	72
62	Perspective rectification of document images using fuzzy set and morphological operations. <i>Image and Vision Computing</i> , 2005 , 23, 541-553	3.7	70
61	A microdrive track following controller design using robust and perfect tracking control with nonlinear compensation. <i>Mechatronics</i> , 2005 , 15, 933-948	3	9
60	Linear systems toolkit in Matlab: structural decompositions and their applications. <i>Journal of Control Theory and Applications</i> , 2005 , 3, 287-294		18
59	Friction and nonlinearity compensation in hard disk drive servo systems using robust composite nonlinear feedback control. <i>Australian Journal of Electrical and Electronics Engineering</i> , 2005 , 2, 81-90	0.6	
58	Linear Systems Theory 2004 ,		54

57	Design and implementation of a dual-stage actuated HDD servo system via composite nonlinear control approach. <i>Mechatronics</i> , 2004 , 14, 965-988	3	35
56	On the problem of general structural assignments of linear systems through sensor/actuator selection. <i>Automatica</i> , 2003 , 39, 233-241	5.7	18
55	An output feedback /spl Hscr//sub /spl infin// controller design for linear systems subject to sensor nonlinearities. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2003 , 50, 914-921		63
54	. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 427-439	5.9	276
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