

# Chung Choo Chung

## 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.

166  
papers

2,273  
citations

21  
h-index

41  
g-index

234  
ext. papers

3,061  
ext. citations

3.8  
avg, IF

5.52  
L-index

#	Paper	IF	Citations
166	LPV H <sub>∞</sub> State Feedback Controller for Automated Parking System <b>2022</b> , 6, 572-577		3
165	Lateral Vehicle Trajectory Planning Using a Model Predictive Control Scheme for an Automated Perpendicular Parking System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.9	2
164	Position Estimation of Stepping Motor Using Adaptive Gain Super Twisting Algorithm Sliding Mode Observer <b>2021</b> ,		1
163	Horizon-wise Model Predictive Control with Application to Autonomous Driving Vehicle. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	1
162	On-Road Object Collision Point Estimation by Radar Sensor Data Fusion. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-11	6.1	
161	SAFE-STOP System: Tactical Intention Awareness Based Emergency Collision Avoidance for Malicious Cut-in of Surrounding Vehicle <b>2021</b> ,		1
160	. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	2
159	Nonlinear Gain Position Control Using Only Position Feedback for Permanent Magnet Stepper Motors. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 8506-8516	7.2	1
158	Robust Vehicular Lane-Tracking Control With a Winding Road Disturbance Compensator. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 6125-6133	11.9	1
157	Autonomous-Driving Vehicle Control With Composite Velocity Profile Planning. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 29, 2079-2091	4.8	4
156	Automated Perpendicular Parking System With Approximated Clothoid-Based Local Path Planning <b>2021</b> , 5, 1940-1945		6
155	Encoder Calibration Method for High Precision Servo Systems With a Sinusoidal Encoder. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	2
154	Vehicular Lateral Tracking Control with Winding Road Disturbance Compensation. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 15699-15704	0.7	0
153	Model Predictive Path Planning Based on Artificial Potential Field and Its Application to Autonomous Lane Change <b>2020</b> ,		2
152	Local Path Planning Using Artificial Potential Field for Waypoint Tracking with Collision Avoidance <b>2020</b> ,		5
151	Adaptive Feedforward Compensator Based on Approximated Causal Transfer Function for CACC with Communication Delay. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 15192-15197	0.7	0
150	Radar Accuracy Modeling and Its Application to Object Vehicle Tracking. <i>International Journal of Control, Automation and Systems</i> , <b>2020</b> , 18, 3146-3158	2.9	6

149	Dynamic Extension Algorithm-Based Tracking Control of STATCOM Via Port-Controlled Hamiltonian System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 5076-5087	11.9	6
148	Waypoint Tracking for Collision Avoidance Using Artificial Potential Field <b>2020</b> ,		1
147	Driving environment assessment and decision making for cooperative lane change system of autonomous vehicles. <i>Asian Journal of Control</i> , <b>2020</b> , 23, 1135	1.7	3
146	H $\infty$ Control Using Linear Parameter Varying Approach for Motion Control Systems Under Communication Delays: Application to PMSM. <i>Journal of Electrical Engineering and Technology</i> , <b>2020</b> , 15, 1797-1809	1.4	0
145	Nonlinear Hybrid Impedance Control for Steering Control of Rack-Mounted Electric Power Steering in Autonomous Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 21, 2956-2965	6.1	4
144	Nonlinear Backstepping Control Design for Coupled Nonlinear Systems under External Disturbances. <i>Complexity</i> , <b>2019</b> , 2019, 1-13	1.6	3
143	. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2019</b> , 24, 2040-2051	5.5	7
142	Autonomous Driving Vehicles with Unmatched Disturbance Compensation using Deep Neural Networks <b>2019</b> ,		1
141	Autonomous Lane Keeping Control System Based on Road Lane Model Using Deep Convolutional Neural Networks * <b>2019</b> ,		1
140	Object Vehicle Tracking by Convex Interpolation with Radar Accuracy <b>2019</b> ,		5
139	Decision Methodology Based on Dynamic Occupancy Grid Zone for Autonomous Lane Change System on Highways <b>2019</b> ,		2
138	Discrete-Time LPV $H_2$ Observer With Nonlinear Bounded Varying Parameter and Its Application to the Vehicle State Observer. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 8768-8777	8.9	11
137	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2018</b> , 19, 3818-3829	6.1	15
136	Improved Direct Power Control for Grid-Connected Voltage Source Converters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 8041-8051	8.9	60
135	LPV $H_\infty$ Control with Disturbance Estimation for Permanent Magnet Synchronous Motors. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 488-497	8.9	24
134	Coordinated Control of Wind Turbine and Energy Storage System for Reducing Wind Power Fluctuation. <i>Energies</i> , <b>2018</b> , 11, 52	3.1	21
133	Autonomous Vehicle Lateral Maneuvering by Approximate Explicit Predictive Control <b>2018</b> ,		7
132	Linear Parameter Varying Design for Lateral Control using Kinematics of Vehicle Motion <b>2018</b> ,		5

131	Discrete-time nonlinear damping backstepping control with observers for rejection of low and high frequency disturbances. <i>Mechanical Systems and Signal Processing</i> , <b>2018</b> , 104, 436-448	7.8	16
130	Interacting Multiple Model Kalman Filter Based Vehicle Lateral Motion Estimation Under Various Road Surface Conditions <b>2018</b> ,		2
129	Sequence-to-Sequence Prediction of Vehicle Trajectory via LSTM Encoder-Decoder Architecture <b>2018</b> ,		127
128	Nonlinear Steering Wheel Angle Control Using Self-Aligning Torque with Torque and Angle Sensors for Electrical Power Steering of Lateral Control System in Autonomous Vehicles. <i>Sensors</i> , <b>2018</b> , 18,	3.8	7
127	Trajectory Folding-based Path Planning for Automated Parking System <b>2018</b> ,		2
126	Observer-based backstepping control method using reduced lateral dynamics for autonomous lane-keeping system. <i>ISA Transactions</i> , <b>2018</b> , 83, 214-226	5.5	16
125	Multirate Lane-Keeping System With Kinematic Vehicle Model. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 9211-9222	6.8	20
124	Robust Camera Lidar Sensor Fusion Via Deep Gated Information Fusion Network <b>2018</b> ,		11
123	Discrete-Time Integral Sliding Model Predictive Control for Dynamic Lateral Motion of Autonomous Driving Vehicles <b>2018</b> ,		5
122	Kinematics-based Fault-tolerant Techniques: Lane Prediction for an Autonomous Lane Keeping System. <i>International Journal of Control, Automation and Systems</i> , <b>2018</b> , 16, 1293-1302	2.9	11
121	Robust Multirate On-Road Vehicle Localization for Autonomous Highway Driving Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , <b>2017</b> , 25, 577-589	4.8	25
120	. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2017</b> , 22, 1349-1359	5.5	12
119	A Coordinated LVRT Control for a PMSG Wind Turbine. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 8758-8763	0.7	2
118	Direct power control of grid connected voltage source inverters using port-controlled Hamiltonian system. <i>International Journal of Control, Automation and Systems</i> , <b>2017</b> , 15, 2053-2062	2.9	18
117	Parametric trajectory prediction of surrounding vehicles <b>2017</b> ,		5
116	Flatness based angle control with augmented observer for electric power steering in autonomous vehicles <b>2017</b> ,		1
115	Grid voltage modulated direct power control for grid connected voltage source inverters <b>2017</b> ,		20
114	Predictive control with sliding mode for autonomous driving vehicle lateral maneuvering <b>2017</b> ,		7

113	Maximum Power Point Tracking of a Wind Power Plant With Predictive Gradient Ascent Method. <i>IEEE Transactions on Sustainable Energy</i> , <b>2017</b> , 8, 685-694	8.2	18
112	Nonlinear Control With State-Dependant Reset Integrator for a Class of Singularly Perturbed Interconnected Nonlinear Systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>2017</b> , 25, 1193-1203	4.8	4
111	Special Issue on 2015 IEEE Intelligent Vehicle Symposium (IV?15) [Guest Editorial]. <i>IEEE Intelligent Transportation Systems Magazine</i> , <b>2017</b> , 9, 6-7	2.6	
110	Backstepping Control Method with Sliding Mode Observer for Autonomous Lane Keeping System. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 6989-6995	0.7	1
109	Predictive risk assessment using cooperation concept for collision avoidance of side crash in autonomous lane change systems <b>2017</b> ,		6
108	Object detection in adaptive cruise control using multi-class support vector machine <b>2017</b> ,		2
107	Probabilistic vehicle trajectory prediction over occupancy grid map via recurrent neural network <b>2017</b> ,		131
106	Waypoint tracking predictive control with vehicle speed variation <b>2017</b> ,		5
105	Coordinated control of wind turbine and energy storage system for reducing wind power fluctuation <b>2017</b> ,		1
104	Vision-based autonomous indoor valet parking system <b>2017</b> ,		3
103	On-Road Path Generation and Control for Waypoints Tracking. <i>IEEE Intelligent Transportation Systems Magazine</i> , <b>2017</b> , 9, 36-45	2.6	21
102	Passivity-Based Control With Nonlinear Damping for Type 2 STATCOM Systems. <i>IEEE Transactions on Power Systems</i> , <b>2016</b> , 31, 2824-2833	7	32
101	Improved low-voltage ride through capability for PMSG wind turbine based on port-controlled hamiltonian system. <i>International Journal of Control, Automation and Systems</i> , <b>2016</b> , 14, 1195-1204	2.9	15
100	Sliding mode control for LVRT of a PMSG wind turbine using stored energy in rotor inertia <b>2016</b> ,		3
99	Lane keeping system based on kinematic model with road friction coefficient adaptation <b>2016</b> ,		7
98	Enhanced nonlinear damping for a class of singularly perturbed interconnected nonlinear systems. <i>Automatica</i> , <b>2016</b> , 65, 36-42	5.7	7
97	Robust output feedback control for unknown non-linear systems with external disturbance. <i>IET Control Theory and Applications</i> , <b>2016</b> , 10, 173-182	2.5	19
96	Proximate In-Phase Current Estimator to Reduce Torque Ripple in Permanent-Magnet Stepping Motor. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 1707-1716	8.9	10

95	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 4379-4392	6.8	46
94	Lateral Control System for Autonomous Lane Change System on Highways. <i>SAE International Journal of Passenger Cars - Mechanical Systems</i> , <b>2016</b> , 9, 877-884	0.3	11
93	Vehicle lateral motion estimation with its dynamic and kinematic models based interacting multiple model filter <b>2016</b> ,		6
92	Phase Shift Calibration Method in Optical Sinusoidal Encoder Signals Applied to Servo Track Writer. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 1-6	0.7	1
91	Temporary primary frequency control support by deloaded wind power plant using input-output linearization <b>2016</b> ,		1
90	Simplified torque modulated microstepping for position control of permanent magnet stepper motors. <i>Mechatronics</i> , <b>2016</b> , 35, 162-172	3	15
89	Integral sliding mode control with a disturbance observer for next-generation servo track writing. <i>Mechatronics</i> , <b>2016</b> , 40, 106-114	3	18
88	Robust Nonlinear Control of STATCOMs. <i>Power Systems</i> , <b>2015</b> , 187-223	0.4	1
87	A comparative study of lane keeping system: Dynamic and kinematic models with look-ahead distance <b>2015</b> ,		8
86	Stabilisation of asymmetrically structured back-to-back static synchronous compensator system with non-linear damping control. <i>IET Power Electronics</i> , <b>2015</b> , 8, 1952-1962	2.2	4
85	Vehicle trajectory prediction for adaptive cruise control <b>2015</b> ,		4
84	Nonlinear control for PMSG wind turbine via port-controlled Hamiltonian system <b>2015</b> ,		2
83	On-Road Vehicle Localization with GPS under Long Term Failure of a Vision Sensor <b>2015</b> ,		6
82	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 3378-3391	6.8	86
81	Predictive virtual lane method using relative motions between a vehicle and lanes. <i>International Journal of Control, Automation and Systems</i> , <b>2015</b> , 13, 146-155	2.9	21
80	High-Gain Disturbance Observer-Based Backstepping Control With Output Tracking Error Constraint for Electro-Hydraulic Systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015</b> , 23, 787-795	4.8	152
79	A sliding mode based model predictive control structure for permanent magnet synchronous motor <b>2015</b> ,		1
78	Lateral control for autonomous lane keeping system on highways <b>2015</b> ,		3

77	GPS waypoint fitting and tracking using model predictive control <b>2015</b> ,		8
76	Direct power control for three phase grid connected inverter via port-controlled Hamiltonian method <b>2015</b> ,		6
75	H <sub>∞</sub> control based on LPV for load torque compensation of PMSM <b>2015</b> ,		3
74	Nonlinear Controller With the Dead-Zone and Saturation for Optical Disk Drive Systems in the Presence of External Shocks. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2014</b> , 19, 1458-1463	5.5	5
73	Robust Real-time Optimal Autonomous Highway Driving Control System: Development and Implementation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 10706-10712		3
72	Comparative evaluation of dynamic and kinematic vehicle models <b>2014</b> ,		24
71	Lane estimation using a vehicle kinematic lateral motion model under clothoidal road constraints <b>2014</b> ,		20
70	A model-free method for wind power plant control with variable wind <b>2014</b> ,		3
69	H <sub>2</sub> control based on LPV for speed control of permanent magnet synchronous motors <b>2014</b> ,		1
68	Adaptive side slip angle observer using simple combined vehicle dynamics <b>2013</b> ,		7
67	Minimizing Residual Vibration With Resonance Filter for Nonminimum-Phase Plants. <i>IEEE Transactions on Magnetism</i> , <b>2013</b> , 49, 2657-2660	2	2
66	Clamping Force Control for an Electric Parking Brake System: Switched System Approach. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 2937-2948	6.8	9
65	Uniform output regulation via approximated input-output linearisation for lightly damped internal dynamics. <i>International Journal of Control</i> , <b>2013</b> , 86, 159-171	1.5	4
64	Predictive virtual lane using relative motions between a vehicle and lanes <b>2013</b> ,		3
63	Microstepping With Nonlinear Torque Modulation for Permanent Magnet Stepper Motors. <i>IEEE Transactions on Control Systems Technology</i> , <b>2013</b> , 21, 1971-1979	4.8	22
62	Economic dispatch for wind farm using model predictive control method <b>2013</b> ,		2
61	Intra-day unit commitment for wind farm using model predictive control method <b>2013</b> ,		2
60	Microstepping Using a Disturbance Observer and a Variable Structure Controller for Permanent-Magnet Stepper Motors. <i>IEEE Transactions on Industrial Electronics</i> , <b>2013</b> , 60, 2689-2699	8.9	52

59	Disturbance-Observer-Based Position Tracking Controller in the Presence of Biased Sinusoidal Disturbance for Electrohydraulic Actuators. <i>IEEE Transactions on Control Systems Technology</i> , <b>2013</b> , 21, 2290-2298	4.8	97
58	Phase-Compensated Microstepping for Permanent-Magnet Stepper Motors. <i>IEEE Transactions on Industrial Electronics</i> , <b>2013</b> , 60, 5773-5780	8.9	18
57	Model predictive control in dynamic economic dispatch using Weibull distribution <b>2013</b> ,		4
56	Multilevel approximate model predictive control and its application to autonomous vehicle active steering <b>2013</b> ,		1
55	Slip Angle Estimation: Development and Experimental Evaluation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 286-291		5
54	Constant drug dose in human immuno-deficiency virus-infected patients to induce long-term non-progressor status: bifurcation and controllability approach. <i>IET Systems Biology</i> , <b>2013</b> , 7, 79-88	1.4	2
53	Robust Fast Seek Control of a Servo Track Writer Using a State Space Disturbance Observer. <i>IEEE Transactions on Control Systems Technology</i> , <b>2012</b> , 20, 346-355	4.8	21
52	Guest Editorial Introduction to the Special Section on Advanced Servo Control for Emerging Data Storage Systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>2012</b> , 20, 292-295	4.8	1
51	The Lyapunov-based controller with a passive nonlinear observer to improve position tracking performance of microstepping in permanent magnet stepper motors. <i>Automatica</i> , <b>2012</b> , 48, 3064-3074	5.7	26
50	Adaptive digital demodulation of sinusoidal encoder signal for positioning control of spiral servo track writing. <i>Microsystem Technologies</i> , <b>2012</b> , 18, 1247-1253	1.7	6
49	Robust high order augmented observer based control for nonlinear systems <b>2012</b> ,		3
48	Nonlinear control based on singular perturbation theory for position tracking of permanent magnet stepper motors <b>2012</b> ,		1
47	Control Methods in Data-Storage Systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>2012</b> , 20, 296-322	4.8	24
46	Advanced flattening method for scanned atomic force microscopy images. <i>Journal of the Korean Physical Society</i> , <b>2012</b> , 60, 680-683	0.6	1
45	Output feedback nonlinear control for electro-hydraulic systems. <i>Mechatronics</i> , <b>2012</b> , 22, 766-777	3	80
44	Passivity-based control with nonlinear damping for STATCOM system <b>2012</b> ,		6
43	Multirate active steering control for autonomous vehicle lateral maneuvering <b>2012</b> ,		13
42	Adaptive Output Regulation for the Rejection of a Periodic Disturbance With an Unknown Frequency. <i>IEEE Transactions on Control Systems Technology</i> , <b>2011</b> , 19, 1296-1304	4.8	38



41	Microstepping with nonlinear torque modulation for position tracking control in permanent magnet stepper motors <b>2011</b> ,		2
40	Novel clamping force control for electric parking brake systems. <i>Mechatronics</i> , <b>2011</b> , 21, 1156-1162	3	11
39	Bias Compensation for Fast Servo Track Writer Seek Control. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 1937-1943	2	9
38	Novel Position Detection Method for Permanent Magnet Stepper Motors Using Only Current Feedback. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 3590-3593	2	13
37	. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 4231-4234	2	37
36	Analysis of sliding mode proximate time-optimal disk drive servo control. <i>Microsystem Technologies</i> , <b>2011</b> , 17, 1083-1090	1.7	
35	Position control of a permanent magnet stepper motor by MISO backstepping in semi-strict feedback form <b>2011</b> ,		2
34	Reconstruction of a scanned topographic image distorted by the creep effect of a Z scanner in atomic force microscopy. <i>Review of Scientific Instruments</i> , <b>2011</b> , 82, 053709	1.7	9
33	Observer-based variable structure control in microstepping for permanent magnet stepper motors <b>2010</b> ,		2
32	Output tracking control with enhanced damping of internal dynamics and its output boundedness <b>2010</b> ,		6
31	Adaptive observer-based nonlinear control in microstepping for permanent magnet stepper motors <b>2010</b> ,		4
30	Design of the Tracking Controller for Holographic Digital Data Storage. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2010</b> , 15, 242-252	5.5	6
29	Fault detection method for electric parking brake (EPB) systems with sensorless estimation using current ripples. <i>International Journal of Automotive Technology</i> , <b>2010</b> , 11, 387-394	1.6	9
28	Control Design for Self-Servo Track Writing Using a State-Space Disturbance Observer. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 5094-5099	2	8
27	Seek and Track-Follow for Scanning Probe Microscopy-Based Data Storage. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 3695-3698	2	1
26	New position error signal generation method for SPM based data storage system. <i>Microsystem Technologies</i> , <b>2009</b> , 15, 1663-1674	1.7	5
25	A Lyapunov method in microstepping control for Permanent Magnet stepper motors <b>2009</b> ,		7
24	Design of a New Multi-Loop Disturbance Observer for Optical Disk Drive Systems. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 2224-2227	2	13

23	Implementation of a Position Error Signal for Scanning Probe Microscopy-Based Data Storage Systems. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 2324-2327	2	2
22	Optimal Switching In Structured Treatment Interruption For Hiv Therapy. <i>Asian Journal of Control</i> , <b>2008</b> , 8, 290-296	1.7	7
21	An approach to discrete-time sliding mode control with variable convergence rate to sliding surface <b>2008</b> ,		1
20	A Discrete-Time Modified Sliding Mode Proximate Time-Optimal Servomechanism for Scanning-Probe-Microscope-Based Data Storage. <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 3750-3753	2	1
19	Optimized structured treatment interruption for HIV therapy and its performance analysis on controllability. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2006</b> , 53, 380-6	5	26
18	Active high-frequency vibration rejection in hard disk drives. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2006</b> , 11, 339-345	5.5	16
17	Analysis of Treatment for HIV-infected Patients Considering CD4 T Cell Count in STI <b>2006</b> ,		1
16	Atomic force microscope anodization lithography using pulsed bias voltage synchronized with resonance frequency of cantilever. <i>Nanotechnology</i> , <b>2005</b> , 16, 2082-5	3.4	10
15	Multirate digital control for high track density magnetic disk drives. <i>IEEE Transactions on Magnetics</i> , <b>2003</b> , 39, 832-837	2	7
14	Analysis and design of servomechanism and its application to disk drives. <i>IEEE Transactions on Control Systems Technology</i> , <b>2003</b> , 11, 233-241	4.8	12
13	MC-10 HIGH FREQUENCY VIBRATION REJECTION IN HARD DISK DRIVES. <i>Proceedings of JSME-IIP/ASME-ISPS Joint Conference on Micromechatronics for Information and Precision Equipment IIP/ISPS Joint MIPE</i> , <b>2003</b> , 2003, 24-25		
12	Design and analysis of dual-stage servo system for high track density HDDs. <i>Microsystem Technologies</i> , <b>2002</b> , 8, 161-168	1.7	17
11	Servo controller design for high-bandwidth HDDs. <i>IEEE Transactions on Magnetics</i> , <b>2002</b> , 38, 2177-2179	2	2
10	Multirate digital control system design <b>2002</b> ,		1
9	Discrete-time LQG/LTR dual-stage controller design in magnetic disk drives. <i>IEEE Transactions on Magnetics</i> , <b>2001</b> , 37, 1891-1895	2	17
8	Dual-stage actuator disk drives for improved servo performance: track follow, track seek, and settle. <i>IEEE Transactions on Magnetics</i> , <b>2001</b> , 37, 1887-1890	2	16
7	Two degree-of-freedom dual-stage actuator controller design for hard disk drives. <i>IEEE Transactions on Magnetics</i> , <b>2000</b> , 36, 2255-2257	2	11
6	Nonlinear H <sub>∞</sub> control around periodic orbits. <i>Systems and Control Letters</i> , <b>1997</b> , 30, 127-137	2.4	16

5	Nonlinear control of a swinging pendulum. <i>Automatica</i> , <b>1995</b> , 31, 851-862	5.7	158
4	Converse Lyapunov functions for exponentially stable periodic orbits. <i>Systems and Control Letters</i> , <b>1994</b> , 23, 27-34	2.4	72
3	Robust control using a state space disturbance observer		1
2	An approach to discrete-time sliding mode control		1
1	Potential field-based path planning for emergency collision avoidance with a clothoid curve in waypoint tracking. <i>Asian Journal of Control</i> ,	1.7	1