

# Ye-Hwa 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.

161  
papers

2,239  
citations

23  
h-index

39  
g-index

175  
ext. papers

2,922  
ext. citations

3.9  
avg, IF

5.76  
L-index

#	Paper	IF	Citations
161	Servo Robust Control of Uncertain Mechanical Systems: Application in a Compressor/PMSM System. <i>Actuators</i> , <b>2022</b> , 11, 42	2.4	0
160	A practical robust bounded control for permanent magnet linear motor with inequality constraints. <i>Control Engineering Practice</i> , <b>2022</b> , 122, 105068	3.9	1
159	Robust Control Design for Fuzzy Mechanical Systems: A Two-Player Nash Game Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2022</b> , 1-13	7.3	
158	Contact constraints-based dynamic manipulation control of the multi-fingered hand robot: a force sensorless approach. <i>Nonlinear Dynamics</i> , <b>2022</b> , 107, 1081	5	2
157	Adaptive Robust Control for Pointing Tracking of Marching Turret-Barrel Systems: Coupling, Nonlinearity and Uncertainty. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2022</b> , 1-13	6.1	
156	Optimal Constraint Following for Fuzzy Mechanical Systems Based on a Time-Varying Measure and Cooperative Game Theory. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2022</b> , 1-14	7.3	
155	Estimation-Based and Dropout-Dependent Control Design for Aeroengine Distributed Control System with Packet Dropout. <i>International Journal of Aerospace Engineering</i> , <b>2022</b> , 2022, 1-14	0.9	2
154	Robust constraint-following control for permanent magnet linear motor with optimal design: A fuzzy approach. <i>Information Sciences</i> , <b>2022</b> , 600, 362-376	7.7	1
153	Constraint-following control design for active suspension systems. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 154, 107578	7.8	7
152	Sensorless Fault-Tolerant Control With Phase Delay Compensation for Aerospace FTPMSM Drives With Phase Open-Circuit and Short-Circuit Faults. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 4576-4585	8.9	14
151	Optimal Longitudinal Control for Vehicular Platoon Systems: Adaptiveness, Determinacy, and Fuzzy. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 889-903	8.3	7
150	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 2373-2387	8.3	8
149	A Hierarchical Control Design Framework for Fuzzy Mechanical Systems With High-Order Uncertainty Bound. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 820-832	8.3	8
148	Optimizing constraint obedience for mechanical systems: Robust control and non-cooperative game. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 149, 107207	7.8	3
147	Guaranteeing performance for uncertain nonlinear systems with bounded state constraint and mismatching condition. <i>Asian Journal of Control</i> , <b>2021</b> , 23, 548-560	1.7	1
146	An exponential type control design for autonomous vehicle platoon systems. <i>Asian Journal of Control</i> , <b>2021</b> , 23, 1025-1039	1.7	3
145	Fuzzy-Set Theoretic Control Design for Aircraft Engine Hardware-in-the-Loop Testing: Mismatched Uncertainty and Optimal Design. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	2

144	Robust Control Design for an Uncertain Macroeconomic Dynamical System with Unknown Characteristics and Inequality Control Constraint. <i>Complexity</i> , <b>2021</b> , 2021, 1-13	1.6	0
143	Robust resource allocation strategy for technology innovation ecosystems: state and control constraints. <i>Nonlinear Dynamics</i> , <b>2021</b> , 103, 2931-2954	5	1
142	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	1
141	A Fuzzy Susceptible-Exposed-Infected-Recovered Model Based on the Confidence Index. <i>International Journal of Fuzzy Systems</i> , <b>2021</b> , 23, 907-917	3.6	3
140	Robust Pointing Control of Marching Tank Gun With Matched and Mismatched Uncertainty. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	1
139	Nonlinear uncertain systems with nonlinear control channel and unilateral input constraints. <i>International Journal of Control</i> , <b>2020</b> , 1-21	1.5	
138	Optimal Design of Adaptive Robust Control for the Delta Robot with Uncertainty: Fuzzy Set-Based Approach. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 3472	2.6	10
137	Robust Control for Nonlinear Delta Parallel Robot With Uncertainty: An Online Estimation Approach. <i>IEEE Access</i> , <b>2020</b> , 8, 97604-97617	3.5	9
136	Controlling tractor-semitrailer vehicles in automated highway systems: Adaptive robust and Lyapunov minimax approach. <i>Asian Journal of Control</i> , <b>2020</b> ,	1.7	1
135	Optimal Design of High-Order Control for Fuzzy Dynamical Systems Based on the Cooperative Game Theory. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> ,	10.2	2
134	Adaptive robust servo constraint tracking control for an underactuated quadrotor UAV with mismatched uncertainties. <i>ISA Transactions</i> , <b>2020</b> , 106, 12-30	5.5	13
133	An optimal fuzzy-theoretic setting of adaptive robust control design for a lower limb exoskeleton robot system. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 141, 106706	7.8	19
132	Tackling mismatched uncertainty in robust constraint-following control of underactuated systems. <i>Information Sciences</i> , <b>2020</b> , 520, 337-352	7.7	18
131	Robust bounded control for nonlinear uncertain systems with inequality constraints. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 140, 106665	7.8	9
130	Optimal Design of Adaptive Robust Control for Bounded Constraint-Following Error in Fuzzy Mechanical Systems. <i>International Journal of Fuzzy Systems</i> , <b>2020</b> , 22, 970-984	3.6	3
129	Constraint-Based Control Design for Uncertain Underactuated Mechanical System: Leakage-Type Adaptation Mechanism. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-12	7.3	7
128	. <i>IEEE Access</i> , <b>2020</b> , 8, 51610-51620	3.5	2
127	Regulating Constraint-Following Bound for Uncertain Mechanical Systems: An Indirect Control Approach. <i>IEEE Access</i> , <b>2020</b> , 8, 70193-70203	3.5	4

126	UdwadiaKalaba constraint-based tracking control for artificial swarm mechanical systems: dynamic approach. <i>Nonlinear Dynamics</i> , <b>2020</b> , 100, 2381-2399	5	12
125	A Novel Practical Robust Control Inheriting PID for SCARA Robot. <i>IEEE Access</i> , <b>2020</b> , 8, 227409-227419	3.5	2
124	Configuring tasks as constraints for coordinated mechanical systems: A UdwadiaKalaba theory based adaptive robust control. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 3387-3418	4	4
123	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 5267-5275	11.9	19
122	Adaptive robust control for a soft robotic snake: A smooth-zone approach. <i>Applied Mathematical Modelling</i> , <b>2020</b> , 80, 454-471	4.5	8
121	Cooperative game-oriented optimal design in constraint-following control of mechanical systems. <i>Nonlinear Dynamics</i> , <b>2020</b> , 101, 977-995	5	4
120	Possibility-Based Robust Control for Fuzzy Mechanical Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	2
119	Stackelberg Game Theory-Based Optimization of High-Order Robust Control for Fuzzy Dynamical Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-12	7.3	2
118	Robust trajectory tracking control for uncertain mechanical systems: servo constraint-following and adaptation mechanism. <i>International Journal of Control</i> , <b>2020</b> , 93, 1696-1709	1.5	4
117	Stackelberg-Theoretic Approach for Performance Improvement in Fuzzy Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 2223-2236	10.2	15
116	A Robust Observer and Nonorthogonal PLL-Based Sensorless Control for Fault-Tolerant Permanent Magnet Motor With Guaranteed Postfault Performance. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 5959-5970	8.9	15
115	Regulating Constraint-Following Bound for Fuzzy Mechanical Systems: Indirect Robust Control and Fuzzy Optimal Design. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	1
114	Cooperative Game Approach to Robust Control Design for Fuzzy Dynamical Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	2
113	A Hierarchical Robust Control Design With Non-Parallel Distributed Compensator and Application to Aircraft Engines. <i>IEEE Access</i> , <b>2019</b> , 7, 144813-144825	3.5	3
112	Optimal Robust Position Control With Input Shaping for Flexible Solar Array Drive System: A Fuzzy-Set Theoretic Approach. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 1807-1817	8.3	15
111	Fuzzy Fixed-Time Learning Control With Saturated Input, Nonlinear Switching Surface, and Switching Gain to Achieve Null Tracking Error. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 1-1	8.3	15
110	Optimal Design of Adaptive Robust Control for Fuzzy Swarm Robot Systems. <i>International Journal of Fuzzy Systems</i> , <b>2019</b> , 21, 1059-1072	3.6	5
109	Robust Observer Design and Fuzzy Optimization for Uncertain Dynamic Systems. <i>International Journal of Fuzzy Systems</i> , <b>2019</b> , 21, 1511-1523	3.6	5

108	Controlling an Underactuated Two-Wheeled Mobile Robot: A Constraint-Following Approach. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2019</b> , 141,	1.6	13
107	Nash-Game-Oriented Optimal Design in Controlling Fuzzy Dynamical Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 1659-1673	8.3	18
106	Self-adjusting leakage type adaptive robust control design for uncertain systems with unknown bound. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 116, 173-193	7.8	18
105	Controlling Uncertain Swarm Mechanical Systems: A $\beta$ -Measure-Based Approach. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 1272-1285	8.3	6
104	. <i>IEEE Access</i> , <b>2019</b> , 7, 176552-176564	3.5	1
103	Robust decentralized control design for aircraft engines: A fractional type. <i>Chinese Journal of Aeronautics</i> , <b>2019</b> , 32, 347-360	3.7	8
102	Uniform ultimate boundedness for underactuated mechanical systems as mismatched uncertainty disappeared. <i>Nonlinear Dynamics</i> , <b>2019</b> , 95, 2765-2782	5	8
101	Modern explorations of the Brachistochrone-related problem: using the Udwadia-Kalaba approach. <i>Mathematics and Mechanics of Solids</i> , <b>2019</b> , 24, 1849-1872	2.3	
100	Optimal Design of Robust Control for Fuzzy Mechanical Systems: Performance-Based Leakage and Confidence-Index Measure. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 1441-1455	8.3	19
99	Controlling the differential mobile robot with system uncertainty: Constraint-following and the adaptive robust method. <i>JVC/Journal of Vibration and Control</i> , <b>2019</b> , 25, 1294-1305	2	8
98	Rendering Optimal Design in Controlling Fuzzy Dynamical Systems: A Cooperative Game Approach. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 4430-4441	11.9	17
97	Vehicle motion control under equality and inequality constraints: a diffeomorphism approach. <i>Nonlinear Dynamics</i> , <b>2019</b> , 95, 175-194	5	19
96	Control Design for Artificial Swarm Mechanical Systems: Dynamics, Uncertainty, and Constraint. <i>Asian Journal of Control</i> , <b>2018</b> , 20, 2042-2050	1.7	2
95	A constraint-following control for uncertain mechanical systems: given force coupled with constraint force. <i>Nonlinear Dynamics</i> , <b>2018</b> , 93, 1201-1217	5	11
94	Adaptive robust control methodology for active roll control system with uncertainty. <i>Nonlinear Dynamics</i> , <b>2018</b> , 92, 359-371	5	34
93	A new class of stabilizing controllers for stochastic nonlinear systems with mismatched conditions. <i>Transactions of the Institute of Measurement and Control</i> , <b>2018</b> , 40, 4037-4045	1.8	1
92	Optimal design for robust control of uncertain flexible joint manipulators: a fuzzy dynamical system approach. <i>International Journal of Control</i> , <b>2018</b> , 91, 937-951	1.5	15
91	A Fuzzy Approach for Optimal Robust Control Design of an Automotive Electronic Throttle System. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 694-704	8.3	37

90	Optimal design for robust control parameter for active roll control system: a fuzzy approach. <i>JVC/Journal of Vibration and Control</i> , <b>2018</b> , 24, 4575-4591	2	4
89	Adaptive robust constrained state control for non-linear maglev vehicle with guaranteed bounded airgap. <i>IET Control Theory and Applications</i> , <b>2018</b> , 12, 1573-1583	2.5	16
88	Bivariate Optimization for Control Design of Interconnected Uncertain Nonlinear Systems: A Fuzzy Set-Theoretic Approach. <i>International Journal of Fuzzy Systems</i> , <b>2018</b> , 20, 1715-1729	3.6	3
87	Adaptive robust control for dual avoidance arrival performance for uncertain mechanical systems. <i>Nonlinear Dynamics</i> , <b>2018</b> , 94, 759-774	5	23
86	Optimal fuzzy adaptive control for uncertain flexible joint manipulator based on D-operation. <i>IET Control Theory and Applications</i> , <b>2018</b> , 12, 1286-1298	2.5	12
85	A Novel Robust Constraint Force Servo Control for Under-actuated Manipulator Systems: Fuzzy and Optimal. <i>Asian Journal of Control</i> , <b>2018</b> , 20, 1818-1838	1.7	3
84	Robust Approximate Constraint-Following Control for Autonomous Vehicle Platoon Systems. <i>Asian Journal of Control</i> , <b>2018</b> , 20, 1611-1623	1.7	14
83	Udwadia-Kalaba Equation for Constrained Mechanical Systems: Formulation and Applications. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , <b>2018</b> , 31,	2.5	6
82	Robust Constraint Following Stabilization for Mechanical Manipulators Containing Uncertainty: An Adaptive Approach. <i>IEEE Access</i> , <b>2018</b> , 6, 58728-58736	3.5	5
81	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 3479-3493	8.3	13
80	Optimal Robust Control Design for Constrained Uncertain Systems: A Fuzzy-Set Theoretic Approach. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 3494-3505	8.3	30
79	Toward Robust Vehicle Platooning With Bounded Spacing Error. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , <b>2017</b> , 36, 562-572	2.5	15
78	Optimal design of robust control for positive fuzzy dynamic systems with one-sided control constraint. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2017</b> , 32, 723-735	1.6	9
77	A New High-Order Adaptive Robust Control for Constraint Following of Mechanical Systems. <i>Asian Journal of Control</i> , <b>2017</b> , 19, 1672	1.7	11
76	Adaptive Robust Constraint-Following Control for Satellite Formation Flying with System Uncertainty. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2017</b> , 40, 1492-1502	2.1	17
75	Regulating Constraint Obedience for Fuzzy Mechanical Systems Based on $\beta$ -Measure and a General Lyapunov Function. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 1729-1740	8.3	15
74	Collision avoidance adaptive robust control for autonomous vehicles: Motivated by swarm properties <b>2017</b> ,		2
73	Adaptive robust control for triple evasion-tracing-arrival performance of uncertain mechanical systems. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , <b>2017</b> , 231, 652-668	1	6

72	Control design based on dead-zone and leakage adaptive laws for artificial swarm mechanical systems. <i>International Journal of Control</i> , <b>2017</b> , 90, 1077-1089	1.5	12
71	Optimal Design of Constraint-Following Control for Fuzzy Mechanical Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2016</b> , 24, 1108-1120	8.3	36
70	Optimal Robust Control for Constrained Fuzzy Dynamic Systems: Semi-infinite Case. <i>International Journal of Fuzzy Systems</i> , <b>2016</b> , 18, 557-569	3.6	8
69	Application of the Udwadia-Kalaba approach to tracking control of mobile robots. <i>Nonlinear Dynamics</i> , <b>2016</b> , 83, 389-400	5	30
68	Why can a free-falling cat always manage to land safely on its feet?. <i>Nonlinear Dynamics</i> , <b>2015</b> , 79, 2237-2250	3.25	12
67	A novel study on Kepler's law and inverse square law of gravitation. <i>European Journal of Physics</i> , <b>2015</b> , 36, 035018	0.8	8
66	Robust Control of Fault-Tolerant Permanent-Magnet Synchronous Motor for Aerospace Application With Guaranteed Fault Switch Process. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 7309-7321	8.9	69
65	Robust levitation control for maglev systems with guaranteed bounded airgap. <i>ISA Transactions</i> , <b>2015</b> , 59, 205-14	5.5	17
64	Fractional robust control design for fuzzy dynamical systems: An optimal approach. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2015</b> , 29, 553-569	1.6	9
63	Dynamic modeling and optimal robust approximate constraint-following control of constrained mechanical systems under uncertainty: A fuzzy approach. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2015</b> , 29, 777-789	1.6	2
62	Improved robust control for multi-link flexible manipulator with mismatched uncertainties <b>2015</b> ,		4
61	Optimal Robust Control for Rigid Serial Manipulators: A Fuzzy Approach. <i>Asian Journal of Control</i> , <b>2015</b> , 17, 2329-2344	1.7	8
60	A New Approach to Control Design for Constraint-following for Fuzzy Mechanical Systems. <i>Journal of Optimization Theory and Applications</i> , <b>2015</b> , 165, 1022-1049	1.6	13
59	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2015</b> , 23, 1113-1126	8.3	30
58	A New Lyapunov Based Robust Control for Uncertain Mechanical Systems. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , <b>2014</b> , 40, 875-882		4
57	Isolation and expression studies of the ERD15 gene involved in drought-stressed responses. <i>Genetics and Molecular Research</i> , <b>2014</b> , 13, 10852-62	1.2	9
56	Hamel Paradox and Rosenberg Conjecture in Analytical Dynamics. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2013</b> , 80,	2.7	2
55	Dynamic modeling and simulation of multi-body systems using the Udwadia-Kalaba theory. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , <b>2013</b> , 26, 839-850	2.5	28

54	Udwadia-Kalaba Approach for Parallel Manipulator Dynamics. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2013</b> , 135,	1.6	26
53	The Closed-Form Equation of Motion of a Human Body With Joint Friction <b>2013</b> ,		2
52	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2012</b> , 20, 1022-1031	8.3	31
51	Molecular Characterization and Tissue-specific Expression of a Novel FKBP38 Gene in the Cashmere Goat ( <i>Capra hircus</i> ). <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2012</b> , 25, 758-63	2.4	2
50	A New Approach to the Control Design of Fuzzy Dynamical Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2011</b> , 133,	1.6	46
49	Adaptive robust approximate constraint-following control for mechanical systems. <i>Journal of the Franklin Institute</i> , <b>2010</b> , 347, 69-86	4	73
48	Adaptive robust control of artificial swarm systems. <i>Applied Mathematics and Computation</i> , <b>2010</b> , 217, 980-987	2.7	7
47	Constraint-following Servo Control Design for Mechanical Systems. <i>JVC/Journal of Vibration and Control</i> , <b>2009</b> , 15, 369-389	2	85
46	Artificial Swarm System: Boundedness, Convergence, and Control. <i>Journal of Aerospace Engineering</i> , <b>2008</b> , 21, 288-293	1.4	11
45	Equations of motion of mechanical systems under servo constraints: The Maggi approach. <i>Mechatronics</i> , <b>2008</b> , 18, 208-217	3	19
44	On the control of an uncertain water quality system. <i>Optimal Control Applications and Methods</i> , <b>2007</b> , 8, 279-298	1.7	2
43	Nonminimal Kane's Equations of Motion for Multibody Dynamical Systems Subject to Nonlinear Nonholonomic Constraints. <i>Multibody System Dynamics</i> , <b>2005</b> , 14, 155-187	2.8	11
42	Mechanical systems under servo constraints: the Lagrange's approach. <i>Mechatronics</i> , <b>2005</b> , 15, 317-337	3	16
41	Robust control design of fuzzy dynamical systems. <i>Applied Mathematics and Computation</i> , <b>2005</b> , 164, 555-572	2.7	12
40	Inverse Dynamics of Servo-Constraints Based on the Generalized Inverse. <i>Nonlinear Dynamics</i> , <b>2005</b> , 39, 179-196	5	46
39	Partial Compensation for Mismatched Uncertain Discrete Systems. <i>Journal of Dynamical and Control Systems</i> , <b>2000</b> , 10, 47-61		1
38	Control for Tractor-Semitrailer Vehicle Systems: A Lyapunov Minimax Approach. <i>Journal of Dynamical and Control Systems</i> , <b>1999</b> , 9, 21-37		5
37	Optimal Compensation by Linear Robust Control for Uncertain Systems. <i>Journal of Dynamical and Control Systems</i> , <b>1999</b> , 9, 135-148		2



36	Control of Discrete Fuzzy Systems: Uncertainty and Guaranteed Performance. <i>Journal of Dynamical and Control Systems</i> , <b>1998</b> , 8, 83-106		1
35	Second-order constraints for equations of motion of constrained systems. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>1998</b> , 3, 240-248	5.5	42
34	Positive Uncertain Systems With One-Sided Robust Control. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1997</b> , 119, 675-684	1.6	10
33	ROBUST CONTROL DESIGN FOR A CLASS OF MISMATCHED COUPLED UNCERTAIN SYSTEMS. <i>Optimal Control Applications and Methods</i> , <b>1997</b> , 18, 83-107	1.7	
32	Decentralized robust control design with insufficient number of controllers. <i>International Journal of Control</i> , <b>1996</b> , 65, 1015-1030	1.5	21
31	Performance analysis of controlled uncertain systems. <i>Journal of Dynamical and Control Systems</i> , <b>1996</b> , 6, 131-142		30
30	Robust control design for a class of mismatched uncertain nonlinear systems. <i>Journal of Optimization Theory and Applications</i> , <b>1996</b> , 90, 605-626	1.6	14
29	Decentralized robust control design for uncertain delay systems. <i>Journal of Optimization Theory and Applications</i> , <b>1996</b> , 89, 311-323	1.6	2
28	Robust stabilization of large-scale time-delay systems with estimated state feedback. <i>Journal of Optimization Theory and Applications</i> , <b>1996</b> , 89, 543-559	1.6	2
27	Alternative designs of denominator controls for uncertain systems. <i>International Journal of Systems Science</i> , <b>1996</b> , 27, 1275-1286	2.3	
26	Decentralized control design: uncertain systems with strong interconnections. <i>International Journal of Control</i> , <b>1995</b> , 61, 1363-1385	1.5	31
25	Robust Computed Torque Schemes for Mechanical Manipulators: Nonadaptive Versus Adaptive. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1991</b> , 113, 324-327	1.6	9
24	Decentralized Adaptive Robust Control Design: The Uncertainty is Time Varying. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1991</b> , 113, 515-518	1.6	3
23	A revisit to the student learning problem. <i>Optimal Control Applications and Methods</i> , <b>1991</b> , 12, 263-272	1.7	
22	Robust control design for interconnected systems with time-varying uncertainties. <i>International Journal of Control</i> , <b>1991</b> , 54, 1119-1142	1.5	70
21	Adaptive robust observers for non-linear uncertain systems. <i>International Journal of Systems Science</i> , <b>1990</b> , 21, 803-814	2.3	18
20	Robust control system design: non-adaptive versus adaptive. <i>International Journal of Control</i> , <b>1990</b> , 51, 1457-1477	1.5	18
19	Structural decomposition and new algebraic method for large-scale systems. <i>International Journal of Systems Science</i> , <b>1990</b> , 21, 241-255	2.3	0

18	State estimation for non-linear uncertain systems: a design based on properties related to the uncertainty bound. <i>International Journal of Control</i> , <b>1990</b> , 52, 1131-1146	1.5	9
17	Controller Design Robust to Frequency Variation in a One-Link Flexible Robot Arm. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1989</b> , 111, 9-14	1.6	20
16	Robust control strategy for take-off performance in a windshear. <i>Optimal Control Applications and Methods</i> , <b>1989</b> , 10, 65-79	1.7	26
15	Modified adaptive robust control system design. <i>International Journal of Control</i> , <b>1989</b> , 49, 1869-1882	1.5	14
14	Large-Scale Uncertain Systems Under Insufficient Decentralized Controllers. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1989</b> , 111, 359-363	1.6	1
13	Design of adaptive observer for plant under input disturbance and measurement noise. <i>International Journal of Control</i> , <b>1988</b> , 47, 625-632	1.5	4
12	Decentralized robust control system design for large-scale uncertain systems. <i>International Journal of Control</i> , <b>1988</b> , 47, 1195-1205	1.5	51
11	Structural Decomposition Approach for the Stability of Uncertain Dynamic Systems. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>1988</b> , 55, 992-994	2.7	1
10	On the Robustness of Mismatched Uncertain Dynamical Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1987</b> , 109, 29-35	1.6	39
9	Adaptive Robust Model-Following Control and Application to Robot Manipulators. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1987</b> , 109, 209-215	1.6	22
8	Decentralized robust output and estimated state feedback controls for large-scale uncertain systems. <i>International Journal of Control</i> , <b>1987</b> , 46, 1979-1992	1.5	16
7	Robustness of uncertain systems in the absence of matching assumptions. <i>International Journal of Control</i> , <b>1987</b> , 45, 1527-1542	1.5	193
6	On the deterministic performance of uncertain dynamical systems. <i>International Journal of Control</i> , <b>1986</b> , 43, 1557-1579	1.5	134
5	Deterministic control for a new class of uncertain dynamical systems <b>1985</b> ,		2
4	A Leader-Follower Sequential Game Approach to Optimizing Parameters for Intelligent Vehicle Formation Control. <i>International Journal of Fuzzy Systems</i> , 1	3.6	0
3	Modified adaptive robust control system design		1
2	A hierarchical constraint approach for dynamic modeling and trajectory tracking control of a mobile robot. <i>JVC/Journal of Vibration and Control</i> , 107754632199918	2	1
1	Robust tracking control design with a novel leakage-type adaptive mechanism for an uncertain lower limb exoskeleton robot. <i>JVC/Journal of Vibration and Control</i> , 107754632210844	2	

