

Ye-Hwa Chen

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161
papers

2,239
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23
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39
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175
ext. papers

2,922
ext. citations

3.9
avg, IF

5.76
L-index

#	Paper	IF	Citations
161	Robustness of uncertain systems in the absence of matching assumptions. <i>International Journal of Control</i> , 1987 , 45, 1527-1542	1.5	193
160	On the deterministic performance of uncertain dynamical systems. <i>International Journal of Control</i> , 1986 , 43, 1557-1579	1.5	134
159	Constraint-following Servo Control Design for Mechanical Systems. <i>JVC/Journal of Vibration and Control</i> , 2009 , 15, 369-389	2	85
158	Adaptive robust approximate constraint-following control for mechanical systems. <i>Journal of the Franklin Institute</i> , 2010 , 347, 69-86	4	73
157	Robust control design for interconnected systems with time-varying uncertainties. <i>International Journal of Control</i> , 1991 , 54, 1119-1142	1.5	70
156	Robust Control of Fault-Tolerant Permanent-Magnet Synchronous Motor for Aerospace Application With Guaranteed Fault Switch Process. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 7309-7321	8.9	69
155	Decentralized robust control system design for large-scale uncertain systems. <i>International Journal of Control</i> , 1988 , 47, 1195-1205	1.5	51
154	A New Approach to the Control Design of Fuzzy Dynamical Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2011 , 133,	1.6	46
153	Inverse Dynamics of Servo-Constraints Based on the Generalized Inverse. <i>Nonlinear Dynamics</i> , 2005 , 39, 179-196	5	46
152	Second-order constraints for equations of motion of constrained systems. <i>IEEE/ASME Transactions on Mechatronics</i> , 1998 , 3, 240-248	5.5	42
151	On the Robustness of Mismatched Uncertain Dynamical Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1987 , 109, 29-35	1.6	39
150	A Fuzzy Approach for Optimal Robust Control Design of an Automotive Electronic Throttle System. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 694-704	8.3	37
149	Optimal Design of Constraint-Following Control for Fuzzy Mechanical Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2016 , 24, 1108-1120	8.3	36
148	Adaptive robust control methodology for active roll control system with uncertainty. <i>Nonlinear Dynamics</i> , 2018 , 92, 359-371	5	34
147	. <i>IEEE Transactions on Fuzzy Systems</i> , 2012 , 20, 1022-1031	8.3	31
146	Decentralized control design: uncertain systems with strong interconnections. <i>International Journal of Control</i> , 1995 , 61, 1363-1385	1.5	31
145	Application of the Udwadia-Kalaba approach to tracking control of mobile robots. <i>Nonlinear Dynamics</i> , 2016 , 83, 389-400	5	30

144	. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 1113-1126	8.3	30
143	Performance analysis of controlled uncertain systems. <i>Journal of Dynamical and Control Systems</i> , 1996 , 6, 131-142		30
142	Optimal Robust Control Design for Constrained Uncertain Systems: A Fuzzy-Set Theoretic Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 3494-3505	8.3	30
141	Dynamic modeling and simulation of multi-body systems using the Udwadia-Kalaba theory. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2013 , 26, 839-850	2.5	28
140	Udwadia-Kalaba Approach for Parallel Manipulator Dynamics. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2013 , 135,	1.6	26
139	Robust control strategy for take-off performance in a windshear. <i>Optimal Control Applications and Methods</i> , 1989 , 10, 65-79	1.7	26
138	Adaptive robust control for dual avoidance arrival performance for uncertain mechanical systems. <i>Nonlinear Dynamics</i> , 2018 , 94, 759-774	5	23
137	Adaptive Robust Model-Following Control and Application to Robot Manipulators. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1987 , 109, 209-215	1.6	22
136	Decentralized robust control design with insufficient number of controllers. <i>International Journal of Control</i> , 1996 , 65, 1015-1030	1.5	21
135	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> , 1989 , 111, 9-14	1.6	20
134	An optimal fuzzy-theoretic setting of adaptive robust control design for a lower limb exoskeleton robot system. <i>Mechanical Systems and Signal Processing</i> , 2020 , 141, 106706	7.8	19
133	Equations of motion of mechanical systems under servo constraints: The Maggi approach. <i>Mechatronics</i> , 2008 , 18, 208-217	3	19
132	. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 5267-5275	11.9	19
131	Optimal Design of Robust Control for Fuzzy Mechanical Systems: Performance-Based Leakage and Confidence-Index Measure. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 1441-1455	8.3	19
130	Vehicle motion control under equality and inequality constraints: a diffeomorphism approach. <i>Nonlinear Dynamics</i> , 2019 , 95, 175-194	5	19
129	Nash-Game-Oriented Optimal Design in Controlling Fuzzy Dynamical Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 1659-1673	8.3	18
128	Tackling mismatched uncertainty in robust constraint-following control of underactuated systems. <i>Information Sciences</i> , 2020 , 520, 337-352	7.7	18
127	Self-adjusting leakage type adaptive robust control design for uncertain systems with unknown bound. <i>Mechanical Systems and Signal Processing</i> , 2019 , 116, 173-193	7.8	18

126	Adaptive robust observers for non-linear uncertain systems. <i>International Journal of Systems Science</i> , 1990 , 21, 803-814	2.3	18
125	Robust control system design: non-adaptive versus adaptive. <i>International Journal of Control</i> , 1990 , 51, 1457-1477	1.5	18
124	Adaptive Robust Constraint-Following Control for Satellite Formation Flying with System Uncertainty. <i>Journal of Guidance, Control, and Dynamics</i> , 2017 , 40, 1492-1502	2.1	17
123	Robust levitation control for maglev systems with guaranteed bounded airgap. <i>ISA Transactions</i> , 2015 , 59, 205-14	5.5	17
122	Rendering Optimal Design in Controlling Fuzzy Dynamical Systems: A Cooperative Game Approach. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 4430-4441	11.9	17
121	Adaptive robust constrained state control for non-linear maglev vehicle with guaranteed bounded airgap. <i>IET Control Theory and Applications</i> , 2018 , 12, 1573-1583	2.5	16
120	Mechanical systems under servo constraints: the Lagrange multiplier approach. <i>Mechatronics</i> , 2005 , 15, 317-337	3	16
119	Decentralized robust output and estimated state feedback controls for large-scale uncertain systems. <i>International Journal of Control</i> , 1987 , 46, 1979-1992	1.5	16
118	Toward Robust Vehicle Platooning With Bounded Spacing Error. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2017 , 36, 562-572	2.5	15
117	Regulating Constraint Obedience for Fuzzy Mechanical Systems Based on β -Measure and a General Lyapunov Function. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 1729-1740	8.3	15
116	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> , 2019 , 27, 1807-1817	8.3	15
115	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> , 2019 , 1-1	8.3	15
114	Optimal design for robust control of uncertain flexible joint manipulators: a fuzzy dynamical system approach. <i>International Journal of Control</i> , 2018 , 91, 937-951	1.5	15
113	Stackelberg-Theoretic Approach for Performance Improvement in Fuzzy Systems. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 2223-2236	10.2	15
112	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> , 2020 , 67, 5959-5970	8.9	15
111	Robust control design for a class of mismatched uncertain nonlinear systems. <i>Journal of Optimization Theory and Applications</i> , 1996 , 90, 605-626	1.6	14
110	Modified adaptive robust control system design. <i>International Journal of Control</i> , 1989 , 49, 1869-1882	1.5	14
109	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> , 2021 , 68, 4576-4585	8.9	14

108	Robust Approximate Constraint-Following Control for Autonomous Vehicle Platoon Systems. <i>Asian Journal of Control</i> , 2018 , 20, 1611-1623	1.7	14
107	Controlling an Underactuated Two-Wheeled Mobile Robot: A Constraint-Following Approach. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2019 , 141,	1.6	13
106	Adaptive robust servo constraint tracking control for an underactuated quadrotor UAV with mismatched uncertainties. <i>ISA Transactions</i> , 2020 , 106, 12-30	5.5	13
105	A New Approach to Control Design for Constraint-following for Fuzzy Mechanical Systems. <i>Journal of Optimization Theory and Applications</i> , 2015 , 165, 1022-1049	1.6	13
104	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 3479-3493	8.3	13
103	Why can a free-falling cat always manage to land safely on its feet?. <i>Nonlinear Dynamics</i> , 2015 , 79, 2237-2250		12
102	Udwadia-Kalaba constraint-based tracking control for artificial swarm mechanical systems: dynamic approach. <i>Nonlinear Dynamics</i> , 2020 , 100, 2381-2399	5	12
101	Optimal fuzzy adaptive control for uncertain flexible joint manipulator based on D -operation. <i>IET Control Theory and Applications</i> , 2018 , 12, 1286-1298	2.5	12
100	Control design based on dead-zone and leakage adaptive laws for artificial swarm mechanical systems. <i>International Journal of Control</i> , 2017 , 90, 1077-1089	1.5	12
99	Robust control design of fuzzy dynamical systems. <i>Applied Mathematics and Computation</i> , 2005 , 164, 555-572	2.7	12
98	A New High-Order Adaptive Robust Control for Constraint Following of Mechanical Systems. <i>Asian Journal of Control</i> , 2017 , 19, 1672	1.7	11
97	A constraint-following control for uncertain mechanical systems: given force coupled with constraint force. <i>Nonlinear Dynamics</i> , 2018 , 93, 1201-1217	5	11
96	Artificial Swarm System: Boundedness, Convergence, and Control. <i>Journal of Aerospace Engineering</i> , 2008 , 21, 288-293	1.4	11
95	Nonminimal Kane's Equations of Motion for Multibody Dynamical Systems Subject to Nonlinear Nonholonomic Constraints. <i>Multibody System Dynamics</i> , 2005 , 14, 155-187	2.8	11
94	Optimal Design of Adaptive Robust Control for the Delta Robot with Uncertainty: Fuzzy Set-Based Approach. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3472	2.6	10
93	Positive Uncertain Systems With One-Sided Robust Control. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1997 , 119, 675-684	1.6	10
92	Optimal design of robust control for positive fuzzy dynamic systems with one-sided control constraint. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017 , 32, 723-735	1.6	9
91	Fractional robust control design for fuzzy dynamical systems: An optimal approach. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015 , 29, 553-569	1.6	9

90	Robust Control for Nonlinear Delta Parallel Robot With Uncertainty: An Online Estimation Approach. <i>IEEE Access</i> , 2020 , 8, 97604-97617	3.5	9
89	Robust bounded control for nonlinear uncertain systems with inequality constraints. <i>Mechanical Systems and Signal Processing</i> , 2020 , 140, 106665	7.8	9
88	Isolation and expression studies of the ERD15 gene involved in drought-stressed responses. <i>Genetics and Molecular Research</i> , 2014 , 13, 10852-62	1.2	9
87	Robust Computed Torque Schemes for Mechanical Manipulators: Nonadaptive Versus Adaptive. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1991 , 113, 324-327	1.6	9
86	State estimation for non-linear uncertain systems: a design based on properties related to the uncertainty bound. <i>International Journal of Control</i> , 1990 , 52, 1131-1146	1.5	9
85	A novel study on Kepler's law and inverse square law of gravitation. <i>European Journal of Physics</i> , 2015 , 36, 035018	0.8	8
84	Optimal Robust Control for Constrained Fuzzy Dynamic Systems: Semi-infinite Case. <i>International Journal of Fuzzy Systems</i> , 2016 , 18, 557-569	3.6	8
83	Optimal Robust Control for Rigid Serial Manipulators: A Fuzzy Approach. <i>Asian Journal of Control</i> , 2015 , 17, 2329-2344	1.7	8
82	Adaptive robust control for a soft robotic snake: A smooth-zone approach. <i>Applied Mathematical Modelling</i> , 2020 , 80, 454-471	4.5	8
81	Robust decentralized control design for aircraft engines: A fractional type. <i>Chinese Journal of Aeronautics</i> , 2019 , 32, 347-360	3.7	8
80	Uniform ultimate boundedness for underactuated mechanical systems as mismatched uncertainty disappeared. <i>Nonlinear Dynamics</i> , 2019 , 95, 2765-2782	5	8
79	Controlling the differential mobile robot with system uncertainty: Constraint-following and the adaptive robust method. <i>JVC/Journal of Vibration and Control</i> , 2019 , 25, 1294-1305	2	8
78	. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 2373-2387	8.3	8
77	A Hierarchical Control Design Framework for Fuzzy Mechanical Systems With High-Order Uncertainty Bound. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 820-832	8.3	8
76	Constraint-Based Control Design for Uncertain Underactuated Mechanical System: Leakage-Type Adaptation Mechanism. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-12	7.3	7
75	Adaptive robust control of artificial swarm systems. <i>Applied Mathematics and Computation</i> , 2010 , 217, 980-987	2.7	7
74	Constraint-following control design for active suspension systems. <i>Mechanical Systems and Signal Processing</i> , 2021 , 154, 107578	7.8	7
73	Optimal Longitudinal Control for Vehicular Platoon Systems: Adaptiveness, Determinacy, and Fuzzy. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 889-903	8.3	7

72	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> , 2017 , 231, 652-668	1	6
71	Controlling Uncertain Swarm Mechanical Systems: A β -Measure-Based Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 1272-1285	8.3	6
70	Udwadia-Kalaba Equation for Constrained Mechanical Systems: Formulation and Applications. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2018 , 31,	2.5	6
69	Optimal Design of Adaptive Robust Control for Fuzzy Swarm Robot Systems. <i>International Journal of Fuzzy Systems</i> , 2019 , 21, 1059-1072	3.6	5
68	Robust Observer Design and Fuzzy Optimization for Uncertain Dynamic Systems. <i>International Journal of Fuzzy Systems</i> , 2019 , 21, 1511-1523	3.6	5
67	Control for Tractor-Semitrailer Vehicle Systems: A Lyapunov Minimax Approach. <i>Journal of Dynamical and Control Systems</i> , 1999 , 9, 21-37		5
66	Robust Constraint Following Stabilization for Mechanical Manipulators Containing Uncertainty: An Adaptive φ Approach. <i>IEEE Access</i> , 2018 , 6, 58728-58736	3.5	5
65	Regulating Constraint-Following Bound for Uncertain Mechanical Systems: An Indirect Control Approach. <i>IEEE Access</i> , 2020 , 8, 70193-70203	3.5	4
64	Optimal design for robust control parameter for active roll control system: a fuzzy approach. <i>JVC/Journal of Vibration and Control</i> , 2018 , 24, 4575-4591	2	4
63	A New Lyapunov Based Robust Control for Uncertain Mechanical Systems. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2014 , 40, 875-882		4
62	Improved robust control for multi-link flexible manipulator with mismatched uncertainties 2015 ,		4
61	Design of adaptive observer for plant under input disturbance and measurement noise. <i>International Journal of Control</i> , 1988 , 47, 625-632	1.5	4
60	Configuring tasks as constraints for coordinated mechanical systems: A Udwadia-Kalaba theory based adaptive robust control. <i>Journal of the Franklin Institute</i> , 2020 , 357, 3387-3418	4	4
59	Cooperative game-oriented optimal design in constraint-following control of mechanical systems. <i>Nonlinear Dynamics</i> , 2020 , 101, 977-995	5	4
58	Robust trajectory tracking control for uncertain mechanical systems: servo constraint-following and adaptation mechanism. <i>International Journal of Control</i> , 2020 , 93, 1696-1709	1.5	4
57	A Hierarchical Robust Control Design With Non-Parallel Distributed Compensator and Application to Aircraft Engines. <i>IEEE Access</i> , 2019 , 7, 144813-144825	3.5	3
56	Optimal Design of Adaptive Robust Control for Bounded Constraint-Following Error in Fuzzy Mechanical Systems. <i>International Journal of Fuzzy Systems</i> , 2020 , 22, 970-984	3.6	3
55	Bivariate Optimization for Control Design of Interconnected Uncertain Nonlinear Systems: A Fuzzy Set-Theoretic Approach. <i>International Journal of Fuzzy Systems</i> , 2018 , 20, 1715-1729	3.6	3

54	Decentralized Adaptive Robust Control Design: The Uncertainty is Time Varying. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1991 , 113, 515-518	1.6	3
53	Optimizing constraint obedience for mechanical systems: Robust control and non-cooperative game. <i>Mechanical Systems and Signal Processing</i> , 2021 , 149, 107207	7.8	3
52	An exponential type control design for autonomous vehicle platoon systems. <i>Asian Journal of Control</i> , 2021 , 23, 1025-1039	1.7	3
51	A Fuzzy Susceptible-Exposed-Infected-Recovered Model Based on the Confidence Index. <i>International Journal of Fuzzy Systems</i> , 2021 , 23, 907-917	3.6	3
50	A Novel Robust Constraint Force Servo Control for Under-actuated Manipulator Systems: Fuzzy and Optimal. <i>Asian Journal of Control</i> , 2018 , 20, 1818-1838	1.7	3
49	Optimal Design of High-Order Control for Fuzzy Dynamical Systems Based on the Cooperative Game Theory. <i>IEEE Transactions on Cybernetics</i> , 2020 ,	10.2	2
48	. <i>IEEE Access</i> , 2020 , 8, 51610-51620	3.5	2
47	Control Design for Artificial Swarm Mechanical Systems: Dynamics, Uncertainty, and Constraint. <i>Asian Journal of Control</i> , 2018 , 20, 2042-2050	1.7	2
46	Hamel Paradox and Rosenberg Conjecture in Analytical Dynamics. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2013 , 80,	2.7	2
45	Collision avoidance adaptive robust control for autonomous vehicles: Motivated by swarm properties 2017 ,		2
44	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> , 2015 , 29, 777-789	1.6	2
43	The Closed-Form Equation of Motion of a Human Body With Joint Friction 2013 ,		2
42	On the control of an uncertain water quality system. <i>Optimal Control Applications and Methods</i> , 2007 , 8, 279-298	1.7	2
41	Optimal Compensation by Linear Robust Control for Uncertain Systems. <i>Journal of Dynamical and Control Systems</i> , 1999 , 9, 135-148		2
40	Decentralized robust control design for uncertain delay systems. <i>Journal of Optimization Theory and Applications</i> , 1996 , 89, 311-323	1.6	2
39	Robust stabilization of large-scale time-delay systems with estimated state feedback. <i>Journal of Optimization Theory and Applications</i> , 1996 , 89, 543-559	1.6	2
38	Deterministic control for a new class of uncertain dynamical systems 1985 ,		2
37	A Novel Practical Robust Control Inheriting PID for SCARA Robot. <i>IEEE Access</i> , 2020 , 8, 227409-227419	3.5	2

36	Contact constraints-based dynamic manipulation control of the multi-fingered hand robot: a force sensorless approach. <i>Nonlinear Dynamics</i> , 2022 , 107, 1081	5	2
35	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> , 2012 , 25, 758-63	2.4	2
34	Possibility-Based Robust Control for Fuzzy Mechanical Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	2
33	Stackelberg Game Theory-Based Optimization of High-Order Robust Control for Fuzzy Dynamical Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-12	7.3	2
32	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> , 2021 , 1-1	8.9	2
31	Cooperative Game Approach to Robust Control Design for Fuzzy Dynamical Systems. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	2
30	Estimation-Based and Dropout-Dependent Control Design for Aeroengine Distributed Control System with Packet Dropout. <i>International Journal of Aerospace Engineering</i> , 2022 , 2022, 1-14	0.9	2
29	Controlling tractor-semitrailer vehicles in automated highway systems: Adaptive robust and Lyapunov minimax approach. <i>Asian Journal of Control</i> , 2020 ,	1.7	1
28	A new class of stabilizing controllers for stochastic nonlinear systems with mismatched conditions. <i>Transactions of the Institute of Measurement and Control</i> , 2018 , 40, 4037-4045	1.8	1
27	Control of Discrete Fuzzy Systems: Uncertainty and Guaranteed Performance. <i>Journal of Dynamical and Control Systems</i> , 1998 , 8, 83-106		1
26	Partial Compensation for Mismatched Uncertain Discrete Systems. <i>Journal of Dynamical and Control Systems</i> , 2000 , 10, 47-61		1
25	Large-Scale Uncertain Systems Under Insufficient Decentralized Controllers. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1989 , 111, 359-363	1.6	1
24	Structural Decomposition Approach for the Stability of Uncertain Dynamic Systems. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1988 , 55, 992-994	2.7	1
23	A practical robust bounded control for permanent magnet linear motor with inequality constraints. <i>Control Engineering Practice</i> , 2022 , 122, 105068	3.9	1
22	Modified adaptive robust control system design		1
21	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
20	. <i>IEEE Access</i> , 2019 , 7, 176552-176564	3.5	1
19	Guaranteeing performance for uncertain nonlinear systems with bounded state constraint and mismatching condition. <i>Asian Journal of Control</i> , 2021 , 23, 548-560	1.7	1

18	Regulating Constraint-Following Bound for Fuzzy Mechanical Systems: Indirect Robust Control and Fuzzy Optimal Design. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	1
17	Robust resource allocation strategy for technology innovation ecosystems: state and control constraints. <i>Nonlinear Dynamics</i> , 2021 , 103, 2931-2954	5	1
16	. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	1
15	Robust Pointing Control of Marching Tank Gun With Matched and Mismatched Uncertainty. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	1
14	Robust constraint-following control for permanent magnet linear motor with optimal design: A fuzzy approach. <i>Information Sciences</i> , 2022 , 600, 362-376	7.7	1
13	Structural decomposition and new algebraic method for large-scale systems. <i>International Journal of Systems Science</i> , 1990 , 21, 241-255	2.3	0
12	Servo Robust Control of Uncertain Mechanical Systems: Application in a Compressor/PMSM System. <i>Actuators</i> , 2022 , 11, 42	2.4	0
11	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
10	Robust Control Design for an Uncertain Macroeconomic Dynamical System with Unknown Characteristics and Inequality Control Constraint. <i>Complexity</i> , 2021 , 2021, 1-13	1.6	0
9	Nonlinear uncertain systems with nonlinear control channel and unilateral input constraints. <i>International Journal of Control</i> , 2020 , 1-21	1.5	
8	ROBUST CONTROL DESIGN FOR A CLASS OF MISMATCHED COUPLED UNCERTAIN SYSTEMS. <i>Optimal Control Applications and Methods</i> , 1997 , 18, 83-107	1.7	
7	Alternative designs of denominator controls for uncertain systems. <i>International Journal of Systems Science</i> , 1996 , 27, 1275-1286	2.3	
6	A revisit to the student learning problem. <i>Optimal Control Applications and Methods</i> , 1991 , 12, 263-272	1.7	
5	Robust Control Design for Fuzzy Mechanical Systems: A Two-Player Nash Game Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-13	7.3	
4	Modern explorations of the Brachistochrone-related problem: using the Udwadia-Kalaba approach. <i>Mathematics and Mechanics of Solids</i> , 2019 , 24, 1849-1872	2.3	
3	Adaptive Robust Control for Pointing Tracking of Marching Turret-Barrel Systems: Coupling, Nonlinearity and Uncertainty. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-13	6.1	
2	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> , 2022 , 1-14	7.3	
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	

