

# Da-Wei Ding

## List of Publications by Year in descending order

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76  
papers

1,098  
citations

567281

15  
h-index

414414

32  
g-index

77  
all docs

77  
docs citations

77  
times ranked

834  
citing authors

#	ARTICLE	IF	CITATIONS
1	Control Synthesis of Discrete-Time Tâ€šS Fuzzy Systems Based on a Novel Non-PDC Control Scheme. IEEE Transactions on Fuzzy Systems, 2013, 21, 147-157.	9.8	172
2	Fuzzy Filter Design for Nonlinear Systems in Finite-Frequency Domain. IEEE Transactions on Fuzzy Systems, 2010, 18, 935-945.	9.8	133
3	$\frac{H}{H}$ fault detection observer design for two-dimensional Roesser systems. Systems and Control Letters, 2015, 82, 115-120.	2.3	70
4	Online barrier-actor-critic learning for Hâ€ž control with full-state constraints and input saturation. Journal of the Franklin Institute, 2020, 357, 3316-3344.	3.4	67
5	Data-Driven Robust Control of Discrete-Time Uncertain Linear Systems via Off-Policy Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3735-3747.	11.3	63
6	Finite-Frequency Model Reduction of Two-Dimensional Digital Filters. IEEE Transactions on Automatic Control, 2015, 60, 1624-1629.	5.7	55
7	Finite frequency $\frac{H}{H}$ filtering for uncertain discrete-time switched linear systems. Progress in Natural Science: Materials International, 2009, 19, 1625-1633.	4.4	42
8	Nonlinear adaptive control using multiple models and dynamic neural networks. Neurocomputing, 2014, 136, 190-200.	5.9	33
9	Adaptive control of nonlinear system using online error minimum neural networks. ISA Transactions, 2016, 65, 125-132.	5.7	32
10	Finite-Frequency Model Reduction of Takagiâ€šSugeno Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2016, 24, 1464-1474.	9.8	31
11	Further studies on relaxed stabilization conditions for discrete-time two-dimension Takagiâ€šSugeno fuzzy systems. Information Sciences, 2012, 189, 143-154.	6.9	29
12	Chaos and Hopf bifurcation control in a fractional-order memristor-based chaotic system with time delay. European Physical Journal Plus, 2017, 132, 1.	2.6	29
13	Nonâ€šfragile Hâ€ž fuzzy filtering for discreteâ€štime nonâ€šlinear systems. IET Control Theory and Applications, 2013, 7, 848-857.	2.1	21
14	Nonfragile $H_{\infty}$ and $H_2$ Filter Designs for Continuous-Time Linear Systems Based on Randomized Algorithms. IEEE Transactions on Industrial Electronics, 2012, 59, 4433-4442.	7.9	19
15	Robust Resilient Control for Nonlinear Systems Under Denial-of-Service Attacks. IEEE Transactions on Fuzzy Systems, 2021, 29, 3415-3427.	9.8	17
16	Finite-frequency fault detection for two-dimensional Fornasiniâ€šMarchesini dynamical systems. International Journal of Systems Science, 2017, 48, 2610-2621.	5.5	14
17	Dissipativity-Preserving Model Reduction for Takagiâ€šSugeno Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2019, 27, 659-670.	9.8	14
18	Synchronization and anti-synchronization of a fractional order delayed memristor-based chaotic system using active control. Modern Physics Letters B, 2018, 32, 1850142.	1.9	13

#	ARTICLE	IF	CITATIONS
19	Robust adaptive control of uncertain nonlinear systems with unmodeled dynamics using command filter. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 7764-7784.	3.7	13
20	Model reduction of discrete-time switched linear systems over finite-frequency ranges. <i>Nonlinear Dynamics</i> , 2013, 71, 361-370.	5.2	12
21	Fault-Tolerant Containment Control for Linear Multi-Agent Systems: An Adaptive Output Regulation Approach. <i>IEEE Access</i> , 2019, 7, 89306-89315.	4.2	12
22	Data-Driven Integral Reinforcement Learning for Continuous-Time Non-Zero-Sum Games. <i>IEEE Access</i> , 2019, 7, 82901-82912.	4.2	12
23	Static Output Feedback Control for Tâ€™S Fuzzy Systems via a Successive Convex Optimization Algorithm. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 4298-4309.	9.8	12
24	Adaptive Control of Nonlinear Discrete-Time Systems by Using OS-ELM Neural Networks. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-11.	0.7	11
25	Adaptive Fault-Tolerant Output Regulation of Linear Multi-Agent Systems With Sensor Faults. <i>IEEE Access</i> , 2020, 8, 159440-159448.	4.2	11
26	Attitude estimation for UAV using extended Kalman filter. , 2017, , .		10
27	Delayed Fuzzy Control of a 1-D Reaction-Diffusion Equation Using Sampled-in-Space Sensing and Actuation. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, 27, 802-809.	9.8	10
28	Observer-Based Fuzzy Fault-Tolerant Control for Nonlinear Parabolic PDEs. <i>International Journal of Fuzzy Systems</i> , 2020, 22, 111-121.	4.0	10
29	Finite-frequency model order reduction of discrete-time linear time-delayed systems. <i>Nonlinear Dynamics</i> , 2016, 83, 2485-2496.	5.2	9
30	Finite-frequency model reduction of discrete-time Tâ€™S fuzzy state-delay systems. <i>Neurocomputing</i> , 2016, 203, 121-128.	5.9	9
31	Finite-Frequency Fault Detection for Two-Dimensional Roesser Systems. <i>IEEE Access</i> , 2016, 4, 5818-5825.	4.2	8
32	Nonfragile filtering for discrete-time linear systems in finite-frequency domain. <i>International Journal of Control</i> , 2013, 86, 664-673.	1.9	7
33	Fault estimation filter design for discrete-time Takagiâ€™Sugeno fuzzy systems. <i>IET Control Theory and Applications</i> , 2016, 10, 2456-2465.	2.1	7
34	Fault Detection for Two-Dimensional Roesser Systems With Sensor Faults. <i>IEEE Access</i> , 2016, 4, 6197-6203.	4.2	7
35	Distributed Security Control for Complex Cyber-physical Systems against Denial-of-service Attacks. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 421-431.	2.7	7
36	Distributed Fault-Tolerant Bipartite Output Synchronization of Discrete-Time Linear Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 1360-1373.	9.5	6

#	ARTICLE	IF	CITATIONS
37	Static output feedback for discrete-time switched linear systems under arbitrary switching. International Journal of Control, Automation and Systems, 2010, 8, 220-227.	2.7	5
38	Dynamics analysis of a fractional-order delayed SBT memristive chaotic system without equilibrium points. European Physical Journal Plus, 2019, 134, 1.	2.6	5
39	Static output feedback control for discrete-time switched linear systems under arbitrary switching. , 2009, , .		4
40	Event-triggered control of two-dimensional discrete-time systems in Fornasini-Marchesini (FM) second model. , 2014, , .		4
41	Integrated fault detection and control for two-dimensional Roesser systems. International Journal of Control, Automation and Systems, 2017, 15, 722-731.	2.7	4
42	Integrated fault detection and control for two-dimensional Markovian jump systems. International Journal of Robust and Nonlinear Control, 2019, 29, 5621-5640.	3.7	4
43	Event-triggered Control for Heterogeneous Discrete-time Multi-agent Systems Subject to Uncertainties and Noises. International Journal of Control, Automation and Systems, 2020, 18, 661-671.	2.7	4
44	Cooperative fault-tolerant control for heterogeneous nonlinear multiagent systems via distributed output regulation. International Journal of Robust and Nonlinear Control, 2021, 31, 855-872.	3.7	4
45	Robust $H_{\infty}$ control for uncertain continuous-time switched linear systems. , 2009, , .		3
46	H-infinity filtering for discrete-time switched linear systems under arbitrary switching. Journal of Control Theory and Applications, 2011, 9, 261-266.	0.8	3
47	Finite-frequency memory filter design for uncertain linear discrete-time systems: A polynomially parameter-dependent approach. ISA Transactions, 2021, 110, 225-237.	5.7	3
48	Event-based secure leader-following consensus for cyber-physical systems under denial-of-service attacks. International Journal of Robust and Nonlinear Control, 0, , .	3.7	3
49	$H_{\infty}$ filtering for a class of discrete-time switched linear systems. , 2009, , .		2
50	$H_{\infty}$ static output feedback control for discrete-time switched linear systems with average dwell time. , 2009, , .		2
51	Event-triggered control of two-dimensional discrete-time systems in Roesser model. , 2014, , .		2
52	Dynamic Intermittent Suboptimal Control: Performance Quantification and Comparisons. , 2018, , .		2
53	Input-to-State Stabilization of Uncertain Parabolic PDEs Using an Observer-Based Fuzzy Control. IEEE Access, 2019, 7, 3581-3591.	4.2	2
54	Robust Controller Design for Uncertain Linear Systems with Finite-frequency Specifications: A Polynomially Parameter-dependent Approach. International Journal of Control, Automation and Systems, 2020, 18, 2808-2817.	2.7	2

#	ARTICLE	IF	CITATIONS
55	A successive convex optimization method for bilinear matrix inequality problems and its application to static output feedback control. International Journal of Robust and Nonlinear Control, 2021, 31, 9709-9730.	3.7	2
56	Fault-tolerant Bipartite Output Regulation of Linear Multi-agent Systems with Loss-of-effectiveness Actuator Faults. International Journal of Control, Automation and Systems, 2022, 20, 1473-1483.	2.7	2
57	Wideband Integrated Log-Periodic Antenna Array for 5G Q-Band Applications. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1428-1432.	4.0	2
58	Nonfragile finite-frequency filtering for discrete-time linear systems. , 2012, , .		1
59	Application of fuzzy neural network in burden surface clustering. , 2012, , .		1
60	Comparison of Control Methods Based on Imitation Learning for Autonomous Driving. , 2019, , .		1
61	Observer-Based H <sup>∞</sup> Fuzzy Control for 1-D Parabolic PDEs Using Point Measurements. , 2019, , .		1
62	Optimal Coverage Control of Multi-agent Systems in Constrained Environments with Line-of-sight Connectivity Preservation. , 2020, , .		1
63	H <sup>∞</sup> Fuzzy Control for Nonlinear Fourth-Order Parabolic Equation Subject to Input Delay. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2531-2539.	9.3	1
64	Robust finite-frequency filter design for linear uncertain systems using polynomially parameter-dependent approach. IET Control Theory and Applications, 2020, 14, 1662-1670.	2.1	1
65	Robust H <sub>2</sub> filtering for uncertain continuous-time switched linear systems. , 2009, , .		0
66	Finite frequency H <sub>∞</sub> filtering for uncertain discrete-time switched linear systems. , 2009, , .		0
67	Non-fragile H <sub>∞</sub> static output feedback control for discrete-time linear systems. , 2011, , .		0
68	Relaxed stabilization conditions for discrete-time 2-D T-S fuzzy systems. , 2011, , .		0
69	A speed monitoring method in steel pipe of 3PE-coating process based on industrial Charge-coupled Device. , 2014, , .		0
70	Integrated fault detection and control for 2-D Roesser systems. , 2016, , .		0
71	Fuzzy adaptive control of uncertain complex dynamical networks with nonlinear couplings. , 2016, , .		0
72	Finite-frequency model reduction of continuous-time switched linear systems with average dwell time. International Journal of Electronics, 2016, 103, 1894-1908.	1.4	0

#	ARTICLE	IF	CITATIONS
73	Fault detection for dissipative nonlinear systems: An energy balance method. , 2017, , .		0
74	Model-free semi-global output regulation for discrete-time linear systems subject to input amplitude saturation. , 2018, , .		0
75	Model-Free Temporal Difference Learning for Non-Zero-Sum Games. , 2019, , .		0
76	Observer-based Adaptive Controller Design for Nonlinear Saturation Systems With Output Constraints. IFAC-PapersOnLine, 2020, 53, 675-680.	0.9	0