

Yi Huang

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,052
citations

516710

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580821

25
g-index

33
all docs

33
docs citations

33
times ranked

1179
citing authors

#	ARTICLE	IF	CITATIONS
1	Active disturbance rejection control: Methodology and theoretical analysis. ISA Transactions, 2014, 53, 963-976.	5.7	644
2	ADRC With Adaptive Extended State Observer and its Application to Air-Fuel Ratio Control in Gasoline Engines. IEEE Transactions on Industrial Electronics, 2015, 62, 5847-5857.	7.9	312
3	Analysis and design for the second order nonlinear continuous extended states observer. Science Bulletin, 2000, 45, 1938-1944.	1.7	165
4	Performance analysis of active disturbance rejection tracking control for a class of uncertain LTI systems. ISA Transactions, 2015, 58, 133-154.	5.7	117
5	Performance analysis of 2-DOF tracking control for a class of nonlinear uncertain systems with discontinuous disturbances. International Journal of Robust and Nonlinear Control, 2018, 28, 1456-1473.	3.7	108
6	On performance analysis of ADRC for a class of MIMO lower-triangular nonlinear uncertain systems. ISA Transactions, 2014, 53, 955-962.	5.7	98
7	Add-On Module of Active Disturbance Rejection for Set-Point Tracking of Motion Control Systems. IEEE Transactions on Industry Applications, 2017, 53, 4028-4040.	4.9	87
8	On comparison of modified ADRCs for nonlinear uncertain systems with time delay. Science China Information Sciences, 2018, 61, 1.	4.3	82
9	On the conceptualization of total disturbance and its profound implications. Science China Information Sciences, 2020, 63, 1.	4.3	80
10	On extended state based Kalman filter design for a class of nonlinear time-varying uncertain systems. Science China Information Sciences, 2018, 61, 1.	4.3	60
11	A parameter formula connecting PID and ADRC. Science China Information Sciences, 2020, 63, 1.	4.3	50
12	ADRC based input disturbance rejection for minimum-phase plants with unknown orders and/or uncertain relative degrees. Journal of Systems Science and Complexity, 2012, 25, 625-640.	2.8	43
13	Active disturbance rejection control: Methodology, practice and analysis. , 2014, , .		29
14	On active disturbance rejection control for nonlinear systems with multiple uncertainties and nonlinear measurement. International Journal of Robust and Nonlinear Control, 2020, 30, 3411-3435.	3.7	24
15	On ADRC for non-minimum phase systems: canonical form selection and stability conditions. Control Theory and Technology, 2016, 14, 199-208.	1.6	20
16	Tuning of sampled-data ADRC for nonlinear uncertain systems. Journal of Systems Science and Complexity, 2016, 29, 1187-1211.	2.8	20
17	On designing consistent extended Kalman filter. Journal of Systems Science and Complexity, 2017, 30, 751-764.	2.8	19
18	On frequency-domain analysis of ADRC for uncertain system. , 2013, , .		17

#	ARTICLE	IF	CITATIONS
19	Observers and observability for uncertain nonlinear systems: A necessary and sufficient condition. International Journal of Robust and Nonlinear Control, 2019, 29, 2960-2977.	3.7	11
20	ADRC for systems with unobservable and unmatched uncertainty. , 2016, , .		10
21	An integrated solution to ACMM problem of spacecraft with inertia uncertainty. International Journal of Robust and Nonlinear Control, 2018, 28, 5575-5589.	3.7	10
22	On Integrating Uncertainty Estimator Into PI Control for a Class of Nonlinear Uncertain Systems. IEEE Transactions on Automatic Control, 2021, 66, 3409-3416.	5.7	9
23	An ADRC-based PID tuning rule. International Journal of Robust and Nonlinear Control, 2022, 32, 9542-9555.	3.7	7
24	New design of active disturbance rejection control for nonlinear uncertain systems with unknown control input gain. Science China Information Sciences, 2022, 65, 1.	4.3	7
25	Quasi-consistent fusion navigation algorithm for DSS. Science China Information Sciences, 2018, 61, 1.	4.3	5
26	A novel ADRC-based design for a kind of flexible aircraft. Control Theory and Technology, 2021, 19, 35-48.	1.6	4
27	Observability Analysis and Navigation Algorithm for Distributed Satellites System Using Relative Range Measurements. Journal of Systems Science and Complexity, 2018, 31, 1206-1226.	2.8	3
28	On Observability Analysis for A Class of Uncertain Systems with Coupling Dynamics of Rigid Body and Elastic Vibration. , 2020, , .		3
29	Frequency Properties of ADRC. , 2021, , .		3
30	A special issue on active disturbance rejection control (ADRC). Control Theory and Technology, 2021, 19, 1-2.	1.6	2
31	On the Bandwidth of the Extended State Observer. , 2021, , .		2
32	Quasi-consistency extended Kalman filter based fusion navigation algorithm for distributed satellites system. , 2016, , .		1
33	A special issue to mark the 10th Anniversary of the Passing of Prof. Jingqing Han, a scholar ahead of his time. Control Theory and Technology, 2018, 16, 245-248.	1.6	0