

Yi Huang

List of Publications by Year in descending order

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33
papers

2,052
citations

516710

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all docs

33
docs citations

33
times ranked

1179
citing authors

#	ARTICLE	IF	CITATIONS
1	An ADRC-based PID tuning rule. International Journal of Robust and Nonlinear Control, 2022, 32, 9542-9555.	3.7	7
2	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
3	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
4	A special issue on active disturbance rejection control (ADRC). Control Theory and Technology, 2021, 19, 1-2.	1.6	2
5	A novel ADRC-based design for a kind of flexible aircraft. Control Theory and Technology, 2021, 19, 35-48.	1.6	4
6	Frequency Properties of ADRC. , 2021, , .		3
7	On the Bandwidth of the Extended State Observer. , 2021, , .		2
8	On the conceptualization of total disturbance and its profound implications. Science China Information Sciences, 2020, 63, 1.	4.3	80
9	A parameter formula connecting PID and ADRC. Science China Information Sciences, 2020, 63, 1.	4.3	50
10	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
11	On Observability Analysis for A Class of Uncertain Systems with Coupling Dynamics of Rigid Body and Elastic Vibration. , 2020, , .		3
12	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
13	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
14	Quasi-consistent fusion navigation algorithm for DSS. Science China Information Sciences, 2018, 61, 1.	4.3	5
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	On comparison of modified ADRCs for nonlinear uncertain systems with time delay. Science China Information Sciences, 2018, 61, 1.	4.3	82
20	On designing consistent extended Kalman filter. Journal of Systems Science and Complexity, 2017, 30, 751-764.	2.8	19
21	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
22	Quasi-consistency extended Kalman filter based fusion navigation algorithm for distributed satellites system. , 2016, , .		1
23	On ADRC for non-minimum phase systems: canonical form selection and stability conditions. Control Theory and Technology, 2016, 14, 199-208.	1.6	20
24	ADRC for systems with unobservable and unmatched uncertainty. , 2016, , .		10
25	Tuning of sampled-data ADRC for nonlinear uncertain systems. Journal of Systems Science and Complexity, 2016, 29, 1187-1211.	2.8	20
26	Performance analysis of active disturbance rejection tracking control for a class of uncertain LTI systems. ISA Transactions, 2015, 58, 133-154.	5.7	117
27	ADRC With Adaptive Extended State Observer and its Application to Airâ€™Fuel Ratio Control in Gasoline Engines. IEEE Transactions on Industrial Electronics, 2015, 62, 5847-5857.	7.9	312
28	On performance analysis of ADRC for a class of MIMO lower-triangular nonlinear uncertain systems. ISA Transactions, 2014, 53, 955-962.	5.7	98
29	Active disturbance rejection control: Methodology and theoretical analysis. ISA Transactions, 2014, 53, 963-976.	5.7	644
30	Active disturbance rejection control: Methodology, practice and analysis. , 2014, , .		29
31	On frequency-domain analysis of ADRC for uncertain system. , 2013, , .		17
32	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
33	Analysis and design for the second order nonlinear continuous extended states observer. Science Bulletin, 2000, 45, 1938-1944.	1.7	165