

# Qing Zheng

## List of Publications by Year in descending order

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34  
papers

1,517  
citations

840119

11  
h-index

1058022

14  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1011  
citing authors

#	ARTICLE	IF	CITATIONS
1	A practical approach to disturbance decoupling control. Control Engineering Practice, 2009, 17, 1016-1025.	3.2	267
2	On stability analysis of active disturbance rejection control for nonlinear time-varying plants with unknown dynamics. , 2007, , .		249
3	Active Disturbance Rejection Control for MEMS Gyroscopes. IEEE Transactions on Control Systems Technology, 2009, 17, 1432-1438.	3.2	239
4	On Validation of Extended State Observer Through Analysis and Experimentation. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	0.9	197
5	Active disturbance rejection control: some recent experimental and industrial case studies. Control Theory and Technology, 2018, 16, 301-313.	1.0	76
6	An energy saving, factory-validated disturbance decoupling control design for extrusion processes. , 2012, , .		71
7	Disturbance decoupling control of an ultra-high speed centrifugal compressor for the air management of fuel cell systems. International Journal of Hydrogen Energy, 2014, 39, 1788-1798.	3.8	66
8	On Control System Design for the Conventional Mode of Operation of Vibrational Gyroscopes. IEEE Sensors Journal, 2008, 8, 1871-1878.	2.4	58
9	A novel practical control approach for rate independent hysteretic systems. ISA Transactions, 2012, 51, 477-484.	3.1	55
10	Active disturbance rejection control: between the formulation in time and the understanding in frequency. Control Theory and Technology, 2016, 14, 250-259.	1.0	52
11	Active disturbance rejection control for MEMS gyroscopes. , 2008, , .		40
12	A Dynamic Decoupling Control Approach and Its Applications to Chemical Processes. Proceedings of the American Control Conference, 2007, , .	0.0	24
13	Active Disturbance Rejection Control of Chemical Processes. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	21
14	Control and Rotation Rate Estimation of Vibrational MEMS Gyroscopes. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	21
15	A Novel Oscillation Controller for Vibrational MEMS Gyroscopes. Proceedings of the American Control Conference, 2007, , .	0.0	9
16	A disturbance rejection based control approach for hysteretic systems. , 2010, , .		9
17	Reduced-order active disturbance rejection control for induction motors. , 2011, , .		9
18	Active disturbance rejection control for human postural sway. , 2011, , .		8

#	ARTICLE	IF	CITATIONS
19	ADRC or adaptive controller " A simulation study on artificial blood pump. Computers in Biology and Medicine, 2015, 66, 135-143.	3.9	8
20	The design and implementation of driving mode control for vibrational gyroscopes. , 2008, , .		6
21	Reduced-order active disturbance rejection control for multivariable chemical processes. , 2012, , .		6
22	Intelligent Process Fault Diagnosis for Nonlinear Systems with Uncertain Plant Model via Extended State Observer and Soft Computing. Intelligent Control and Automation, 2012, 03, 346-355.	1.0	6
23	A study on torque modelling of switched reluctance motors. , 2013, , .		5
24	Active disturbance rejection control in Stribeck friction dynamic compensation for high-accuracy servo systems. , 2016, , .		4
25	A Disturbance Rejection Based Control System Design for Z-Axis Vibratory Rate Gyroscopes. , 2007, , .		3
26	Active disturbance rejection control for cargo ship steering. , 2015, , .		3
27	Notice of Removal Active disturbance rejection control for nonlinear two-tank liquid level cascade systems with model uncertainties. , 2015, , .		2
28	Annotating Resources in Sequence Diagrams for Testing Web Security. , 2012, , .		1
29	Dynamic decoupling control of a centrifugal compressor for fuel cell systems for transportation applications. , 2013, , .		1
30	Preload based ADRC physiological controller for rotary blood pump. , 2016, , .		1
31	Work in progress &#x2014; Design and delivery of the graduate course on electronic systems integration. , 2011, , .		0
32	Unified discrete time optimal control for MEMS gyroscopes. , 2016, , .		0
33	Essentials of the fourth-order linear active disturbance rejection control and its application in a cascade control system. , 2016, , .		0
34	Improved reinforcement learning for cargo ship steering control. , 2017, , .		0