

Xingyong Song

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22 papers	129 citations	6 h-index	10 g-index
29 ext. papers	174 ext. citations	3.2 avg, IF	3.52 L-index

#	Paper	IF	Citations
22	Design and control of an automatic high-viscosity sealant filling system. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2021 , 235, 1237-1244	1.7	0
21	An LMI based approach to stabilize a type of nonlinear uncertain neutral-type delay systems. <i>International Journal of Dynamics and Control</i> , 2021 , 9, 1188-1196	1.7	0
20	Sub-optimal tracking in switched systems with fixed final time and fixed mode sequence using reinforcement learning. <i>Neurocomputing</i> , 2021 , 420, 197-209	5.4	2
19	. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 1-12	4.8	
18	Iterative Learning Control for a Type of Modified Smith Predictor. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2020 , 142,	1.6	2
17	State Barrier Avoidance Control Design Using a Diffeomorphic Transformation Based Method 2020 ,		1
16	Powertrain Energy Management for Autonomous Hybrid Electric Vehicles With Flexible Driveline Power Demand. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 2229-2236	4.8	5
15	Event-Triggered Modified Repetitive Control for Periodic Signal Tracking. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 86-90	3.5	5
14	Drilling Control System Using an Equivalent Input Disturbance-Based Control With a Neutral-Type Axial-Torsional Coupled Dynamics Model. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2019 , 141,	1.6	2
13	Control of a Downhole Drilling System Using Integral Barrier Lyapunov Functionals 2019 ,		4
12	Design and simulation of a lab-scale down-hole drilling system. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019 , 233, 2591-2598	1.3	
11	Integrated Powertrain Energy Management and Vehicle Coordination for Multiple Connected Hybrid Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 2893-2899	6.8	34
10	Trajectory Tracking and Rate of Penetration Control of Downhole Vertical Drilling System. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018 , 140,	1.6	7
9	Observer Design for a Wellbore Drilling System With Downhole Measurement Feedback. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018 , 140,	1.6	3
8	Control of Down-Hole Drilling Process Using a Computationally Efficient Dynamic Programming Method. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018 , 140,	1.6	9
7	Computationally Efficient Down-Hole Drilling System Dynamics Modeling Integrating Finite Element and Transfer Matrix. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2017 , 139,	1.6	11
6	Control of a vertical drilling system using a cascade sliding mode controller 2017 ,		6

5	Active Damping of Acoustic Ringing Effect for Oil Well Sonic Logging System. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 3423-3432	8.9	7
4	Low-Order Stabilizer Design for Discrete Linear Time-Varying Internal Model-Based System. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015 , 20, 2666-2677	5.5	4
3	Robust stabilizer design for linear time-varying internal model based output regulation and its application to an electrohydraulic system. <i>Automatica</i> , 2014 , 50, 1128-1134	5.7	25
2	Addressing Complex State Constraints in the Integral Barrier Lyapunov Function Based Adaptive Tracking Control. <i>International Journal of Control</i> , 1-0	1.5	
1	Control of a downhole drilling system using an integral Barrier Lyapunov Function based method. <i>International Journal of Control</i> , 1-14	1.5	1