

# Jun Xu

## 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.

33  
papers

340  
citations

8  
h-index

18  
g-index

52  
ext. papers

442  
ext. citations

3  
avg, IF

3.27  
L-index

#	Paper	IF	Citations
33	On M/G[b]/1/K queue with multiple state-dependent vacations: A real problem from media-based cache in hard disk drives. <i>Performance Evaluation</i> , <b>2020</b> , 139, 102085	1.2	1
32	Online fuzzy logic control with decision tree for improving hybrid cache performance & symposia <b>2016</b> ,		4
31	Stability conditions based on SOS polynomials <b>2014</b> , 61-82		
30	A PWA approach to Takagi-Sugeno fuzzy logic systems <b>2014</b> , 169-192		0
29	TDOA-based adaptive sensing in multi-agent cooperative target tracking. <i>Signal Processing</i> , <b>2014</b> , 98, 186-196	4.4	4
28	Hand generalized H2 controller design for PWA systems <b>2014</b> , 123-146		
27	Hand generalized H2 estimator design for PWA systems <b>2014</b> , 147-168		
26	Stability conditions based on PQLFs <b>2014</b> , 41-59		
25	Multi-agent cooperative target search. <i>Sensors</i> , <b>2014</b> , 14, 9408-28	3.8	36
24	Control and estimation of mechanical systems <b>2014</b> , 193-210		
23	Stability conditions based on vertex representation <b>2014</b> , 83-99		
22	Controllability and reachability <b>2014</b> , 101-121		
21	Piecewise affine systems <b>2014</b> , 17-39		0
20	Consensus of multi-agent systems with general linear dynamics via dynamic output feedback control. <i>IET Control Theory and Applications</i> , <b>2013</b> , 7, 108-115	2.5	41
19	Multiagent Information Fusion and Cooperative Control in Target Search. <i>IEEE Transactions on Control Systems Technology</i> , <b>2013</b> , 21, 1223-1235	4.8	82
18	Cooperative Search and Exploration in Robotic Networks. <i>Unmanned Systems</i> , <b>2013</b> , 01, 121-142	3	55
17	Vision-based multi-agent cooperative target search <b>2012</b> ,		6

16	Fault Detection and Isolation of Nonlinear Systems: An Unknown Input Observer Approach With Sum-of-Squares Techniques. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2012</b> , 134,	1.6	3
15	Dynamic Consensus and Formation: Fixed and Switching Topologies. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 9188-9193		1
14	A novel H <sub>∞</sub> UIO design for actuator FDI in finite frequency domain. <i>International Journal of Control, Automation and Systems</i> , <b>2011</b> , 9, 601-605	2.9	1
13	Stability analysis of planar continuous piecewise linear systems <b>2010</b> ,		1
12	A gain-varying UIO approach with adaptive threshold for FDI of nonlinear F16 systems. <i>Journal of Control Theory and Applications</i> , <b>2010</b> , 8, 317-325		4
11	A novel UIO-based approach for fault detection and isolation in finite frequency domain <b>2009</b> ,		2
10	Simultaneous Stabilization and Robust Control of Polynomial Nonlinear Systems Using SOS Techniques. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 1892-1897	5.9	35
9	Two Improved Approaches to Fault Detection with Unknown Inputs. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 10136-10141		
8	Simultaneous Stabilization and Robust Control for Polynomial Nonlinear Systems Using SOS. <i>Proceedings of the American Control Conference</i> , <b>2007</b> ,	1.2	3
7	Theoretical Lower Bound for UWB TDOA Positioning <b>2007</b> ,		9
6	Synthesis of Discrete-time Nonlinear Systems: A SOS Approach. <i>Proceedings of the American Control Conference</i> , <b>2007</b> ,	1.2	11
5	Observer-based Fault Detection for Piecewise Linear Systems: Continuous-time Cases. <i>Control Applications (CCA), Proceedings of the IEEE International Conference on</i> , <b>2007</b> ,		2
4	Observer-based Fault Detection for Piecewise Linear Systems: Discrete-time Cases. <i>Control Applications (CCA), Proceedings of the IEEE International Conference on</i> , <b>2007</b> ,		3
3	H <sub>∞</sub> STATE FEEDBACK CONTROL OF DISCRETE-TIME PIECEWISE AFFINE SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 101-106		1
2	NON-SYNCHRONIZED H <sub>∞</sub> ESTIMATION OF DISCRETE-TIME PIECEWISE LINEAR SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 970-975		1
1	Ultrasonic trapping of small particles by sharp edges vibrating in a flexural mode. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 6042-6044	3.4	31