## Ji-Feng Zhang

## List of Publications by Citations

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#	Paper	IF	Citations
111	Necessary and Sufficient Conditions for Consensusability of Linear Multi-Agent Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2010</b> , 55, 1263-1268	5.9	427
110	Decentralized adaptive output-feedback stabilization for large-scale stochastic nonlinear systems. <i>Automatica</i> , <b>2007</b> , 43, 238-251	5.7	408
109	Consensus Conditions of Multi-Agent Systems With Time-Varying Topologies and Stochastic Communication Noises. <i>IEEE Transactions on Automatic Control</i> , <b>2010</b> , 55, 2043-2057	5.9	360
108	. IEEE Transactions on Automatic Control, <b>2011</b> , 56, 279-292	5.9	305
107	Mean square average-consensus under measurement noises and fixed topologies: Necessary and sufficient conditions. <i>Automatica</i> , <b>2009</b> , 45, 1929-1936	5.7	298
106	System identification using binary sensors. <i>IEEE Transactions on Automatic Control</i> , <b>2003</b> , 48, 1892-1907	5.9	168
105	Adaptive output-feedback control for a class of uncertain stochastic non-linear systems with time delays. <i>International Journal of Control</i> , <b>2008</b> , 81, 1210-1220	1.5	142
104	Practical Output-Feedback Risk-Sensitive Control for Stochastic Nonlinear Systems with Stable Zero-Dynamics. <i>SIAM Journal on Control and Optimization</i> , <b>2006</b> , 45, 885-926	1.9	127
103	. IEEE Transactions on Automatic Control, <b>2008</b> , 53, 1643-1660	5.9	122
102	Multi-Agent Consensus With Relative-State-Dependent Measurement Noises. <i>IEEE Transactions on Automatic Control</i> , <b>2014</b> , 59, 2463-2468	5.9	111
101	Global output-feedback stabilization for a class of stochastic non-minimum-phase nonlinear systems. <i>Automatica</i> , <b>2008</b> , 44, 1944-1957	5.7	109
100	System Identification with Quantized Observations 2010,		101
99	Continuous-time and sampled-data-based average consensus with logarithmic quantizers. <i>Automatica</i> , <b>2013</b> , 49, 3329-3336	5.7	98
98	Output-feedback control of a class of stochastic nonlinear systems with linearly bounded unmeasurable states. <i>International Journal of Robust and Nonlinear Control</i> , <b>2008</b> , 18, 665-687	3.6	92
97	A notion of stochastic input-to-state stability and its application to stability of cascaded stochastic nonlinear systems. <i>Acta Mathematicae Applicatae Sinica</i> , <b>2008</b> , 24, 141-156	0.3	79
96	Identification of Wiener systems with binary-valued output observations. <i>Automatica</i> , <b>2007</b> , 43, 1752-17	7657	79
95	Reduced-order observer-based control design for nonlinear stochastic systems. <i>Systems and Control Letters</i> , <b>2004</b> , 52, 123-135	2.4	76

## (2017-2006)

94	Joint identification of plant rational models and noise distribution functions using binary-valued observations. <i>Automatica</i> , <b>2006</b> , 42, 535-547	5.7	75
93	Mean Field Games for Large-Population Multiagent Systems with Markov Jump Parameters. <i>SIAM Journal on Control and Optimization</i> , <b>2012</b> , 50, 2308-2334	1.9	66
92	Distributed practical output tracking of high-order stochastic multi-agent systems with inherent nonlinear drift and diffusion terms. <i>Automatica</i> , <b>2014</b> , 50, 3231-3238	5.7	65
91	. IEEE Transactions on Automatic Control, <b>2012</b> , 57, 2545-2560	5.9	61
90	Stability analysis and stabilization control of multi-variable switched stochastic systems. <i>Automatica</i> , <b>2006</b> , 42, 169-176	5.7	59
89	Consensus conditions of continuous-time multi-agent systems with time-delays and measurement noises. <i>Automatica</i> , <b>2019</b> , 99, 412-419	5.7	52
88	Distributed control of multi-agent systems with random parameters and a major agent. <i>Automatica</i> , <b>2012</b> , 48, 2093-2106	5.7	43
87	On the Adaptive Control of Jump Parameter Systems via Nonlinear Filtering. <i>SIAM Journal on Control and Optimization</i> , <b>1995</b> , 33, 1758-1777	1.9	43
86	. IEEE Transactions on Automatic Control, <b>2018</b> , 63, 1059-1074	5.9	41
85	Indefinite Mean-Field Stochastic Linear-Quadratic Optimal Control. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 1786-1800	5.9	40
84	Quantized DataBased Distributed Consensus under Directed Time-Varying Communication Topology. <i>SIAM Journal on Control and Optimization</i> , <b>2013</b> , 51, 332-352	1.9	39
83	Decentralized tracking-type games for multi-agent systems with coupled ARX models: Asymptotic Nash equilibria. <i>Automatica</i> , <b>2008</b> , 44, 713-725	5.7	38
82	Asymptotically efficient identification of FIR systems with quantized observations and general quantized inputs. <i>Automatica</i> , <b>2015</b> , 57, 113-122	5.7	37
81	Distributed output feedback control of Markov jump multi-agent systems. <i>Automatica</i> , <b>2013</b> , 49, 1397	-1 <del>4</del> 0⁄2	36
80	Consensus Conditions of Continuous-Time Multi-Agent Systems with Additive and Multiplicative Measurement Noises. <i>SIAM Journal on Control and Optimization</i> , <b>2018</b> , 56, 19-52	1.9	30
79	Identification of Hammerstein Systems with Quantized Observations. <i>SIAM Journal on Control and Optimization</i> , <b>2010</b> , 48, 4352-4376	1.9	30
78	Stability of stochastic functional differential systems using degenerate Lyapunov functionals and applications. <i>Automatica</i> , <b>2018</b> , 91, 197-207	5.7	28
77	Social Optima in Mean Field Linear-Quadratic-Gaussian Models with Markov Jump Parameters. SIAM Journal on Control and Optimization, <b>2017</b> , 55, 429-456	1.9	25

76	Hierarchical Mean Field Games for Multiagent Systems With Tracking-Type Costs: Distributed \$varepsilon \$-Stackelberg Equilibria. <i>IEEE Transactions on Automatic Control</i> , <b>2014</b> , 59, 2241-2247	5.9	25
75	Identification Input Design for Consistent Parameter Estimation of Linear Systems With Binary-Valued Output Observations. <i>IEEE Transactions on Automatic Control</i> , <b>2008</b> , 53, 867-880	5.9	25
74	Indefinite Mean-Field Stochastic Linear-Quadratic Optimal Control: From Finite Horizon to Infinite Horizon. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 3269-3284	5.9	24
73	Space and time complexities and sensor threshold selection in quantized identification. <i>Automatica</i> , <b>2008</b> , 44, 3014-3024	5.7	24
72	Identification of Wiener systems with quantized inputs and binary-valued output observations. <i>Automatica</i> , <b>2017</b> , 78, 280-286	5.7	23
71	Adaptive Tracking Control of A Class of First-Order Systems With Binary-Valued Observations and Time-Varying Thresholds. <i>IEEE Transactions on Automatic Control</i> , <b>2011</b> , 56, 2991-2996	5.9	22
70	. IEEE Transactions on Automatic Control, <b>1990</b> , 35, 866-877	5.9	20
69	Mean-field stochastic linearquadratic optimal control with Markov jump parameters. <i>Systems and Control Letters</i> , <b>2016</b> , 93, 69-76	2.4	16
68	Continuous-time multi-agent averaging with relative-state-dependent measurement noises: matrix intensity functions. <i>IET Control Theory and Applications</i> , <b>2015</b> , 9, 374-380	2.5	13
67	A new system identification approach to identify genetic variants in sequencing studies for a binary phenotype. <i>Human Heredity</i> , <b>2014</b> , 78, 104-16	1.1	13
66	Adaptive Tracking Control of Linear Systems With Binary-Valued Observations and Periodic Target. <i>IEEE Transactions on Automatic Control</i> , <b>2013</b> , 58, 1293-1298	5.9	13
65	Consensus control of second-order delayed multiagent systems with intrinsic dynamics and measurement noises. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 5050-5070	3.6	12
64	Necessary and sufficient conditions for bounded distributed mean square tracking of multi-agent systems with noises. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 631-645	3.6	12
63	General lemmas for stability analysis of linear continuous-time systems with slowly time-varying parameters. <i>International Journal of Control</i> , <b>1993</b> , 58, 1437-1444	1.5	11
62	Identification and adaptive control for ARMAX systems <b>1991</b> , 216-241		11
61	Consistent order estimation for linear stochastic feedback control systems (CARMA model). <i>Automatica</i> , <b>1989</b> , 25, 147-151	5.7	11
60	Adaptive tracking of a class of first-order systems with binary-valued observations and fixed thresholds. <i>Journal of Systems Science and Complexity</i> , <b>2012</b> , 25, 1041-1051	1	10
59	Differentially private consensus algorithm for continuous-time heterogeneous multi-agent systems. <i>Automatica</i> , <b>2020</b> , 122, 109283	5.7	10

58	. IEEE Transactions on Automatic Control, <b>2021</b> , 66, 2604-2619	5.9	10
57	. IEEE Transactions on Automatic Control, <b>2018</b> , 63, 2771-2786	5.9	10
56	Distributed dynamic consensus under quantized communication data. <i>International Journal of Robust and Nonlinear Control</i> , <b>2015</b> , 25, 1704-1720	3.6	9
55	Mixed Equilibrium Solution of Time-Inconsistent Stochastic Linear-Quadratic Problem. <i>SIAM Journal on Control and Optimization</i> , <b>2019</b> , 57, 533-569	1.9	8
54	. IEEE Transactions on Automatic Control, <b>2013</b> , 58, 2862-2877	5.9	8
53	Convergence rates in stochastic adaptive tracking[] <i>International Journal of Control</i> , <b>1989</b> , 49, 1915-1935	1.5	8
52	Stochastic Approximation Based Consensus Dynamics over Markovian Networks. <i>SIAM Journal on Control and Optimization</i> , <b>2015</b> , 53, 3339-3363	1.9	7
51	Optimality analysis of adaptive sampled control of hybrid systems with quadratic index. <i>IEEE Transactions on Automatic Control</i> , <b>2005</b> , 50, 1044-1051	5.9	7
50	Robust Output-feedback Stabilization for a Class of Uncertain Stochastic Nonlinear Systems with Time-varying Time Delays <b>2007</b> ,		6
49	Adaptive Mean Field Games for Large Population Coupled ARX Systems with Unknown Coupling Strength. <i>Dynamic Games and Applications</i> , <b>2013</b> , 3, 489-507	1.1	5
48	SVSI: fast and powerful set-valued system identification approach to identifying rare variants in sequencing studies for ordered categorical traits. <i>Annals of Human Genetics</i> , <b>2015</b> , 79, 294-309	2.2	5
47	Stochastic consensus of linear multi-agent systems with multiplicative measurement noises <b>2016</b> ,		4
46	Consensus conditions of continuous-time multi-agent systems with relative-state-dependent measurement noises and matrix-valued intensity functions <b>2013</b> ,		4
45	A parameter condition for ruling out multiple equilibria of the photosynthetic carbon metabolism. <i>Asian Journal of Control</i> , <b>2011</b> , 13, 611-624	1.7	4
44	Mean field linearquadratic control: Uniform stabilization and social optimality. <i>Automatica</i> , <b>2020</b> , 121, 109088	5.7	4
43	Output feedback quantized observer-based synchronization of linear multi-agent systems over jointly connected topologies. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 2378-2400	) <sup>3.6</sup>	4
42	A Robust and Powerful Set-Valued Approach to Rare Variant Association Analyses of Secondary Traits in Case-Control Sequencing Studies. <i>Genetics</i> , <b>2017</b> , 205, 1049-1062	4	3
41	System Identification under Information Security. IFAC-PapersOnLine, 2017, 50, 3756-3761	0.7	3

40	Linear-Quadratic Control of Discrete-Time Stochastic Systems with Indefinite Weight Matrices and Mean-Field Terms. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 9750-9755		3
39	Stochastic consensus of continuous-time multi-agent systems with additive measurement noises <b>2015</b> ,		3
38	Distributed Quantized Averaging under Directed Time-Varying Topologies. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 2356-2361		3
37	Multi-equilibrium property of metabolic networks: Exclusion of multi-stability for SSN metabolic modules. <i>International Journal of Robust and Nonlinear Control</i> , <b>2011</b> , 21, 1791-1806	3.6	3
36	Quantized-output feedback model reference control of discrete-time linear systems. <i>Automatica</i> , <b>2021</b> , 137, 110027	5.7	3
35	Information Security Protocol Based System Identification with Binary-Valued Observations. Journal of Systems Science and Complexity, 2018, 31, 946-963	1	2
34	Distributed Tracking of Multi-Agent Systems with High-Order Stochastic Nonlinear Dynamics. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 7348-7353		2
33	Multi-equilibrium property of metabolic networks: SSI module. <i>BMC Systems Biology</i> , <b>2011</b> , 5 Suppl 1, S15	3.5	2
32	2010,		2
31	Adaptive Tracking via Binary-Valued Observations with Fixed Threshold*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 1239-1244		2
30	Jointly Deterministic and Stochastic Identification of Linear Systems Using Binary-Valued Observations. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2009</b> , 42, 60-	65	2
29	Implicit function based adaptive control of non-canonical form discrete-time nonlinear systems. <i>Automatica</i> , <b>2021</b> , 129, 109629	5.7	2
28	Social Optima in Robust Mean Field LQG Control: From Finite to Infinite Horizon. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 1529-1544	5.9	2
27	Finite-Horizon Indefinite Mean-Field Stochastic Linear-Quadratic Optimal Control. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 211-216	0.7	1
26	Multi-equilibrium property of metabolic networks: MMN module. <i>International Journal of Robust and Nonlinear Control</i> , <b>2014</b> , 24, 1505-1529	3.6	1
25	Distributed tracking of second-order multi-agent systems with measurement noise 2013,		1
24	Robust adaptive control of coupled stochastic multi-agent systems with unmodeled dynamics <b>2010</b> ,		1
23	2007,		1

22	SYSTEM IDENTIFICATION USING QUANTIZED DATA. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2006</b> , 39, 255-260		1
21	A unified identification algorithm of FIR systems based on binary observations with time-varying thresholds. <i>Automatica</i> , <b>2022</b> , 135, 109990	5.7	1
20	Consensus of Nonlinear Multi-Agent Systems with Multiplicative Noises and Time-Varying Delays <b>2018</b> ,		1
19	LS-Based Parameter Estimation of DARMA Systems with Uniformly Quantized Observations. Journal of Systems Science and Complexity,1	1	1
18	Double-stepped adaptive control for hybrid systems with unknown Markov jumps and stochastic noises. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , <b>2009</b> , 15, 969-993	1	O
17	Distributed Recursive Projection Identification with Binary-Valued Observations. <i>Journal of Systems Science and Complexity</i> , <b>2021</b> , 34, 2048-2068	1	O
16	Time-Inconsistent Stochastic LQ Problem with Regime Switching. <i>Journal of Systems Science and Complexity</i> , <b>2020</b> , 33, 1733-1754	1	O
15	Identification of FIR Systems with Quantized Inputs and Observations**This research was supported in part by the Army Research Office under grant W911NF-15-1-0218, in part by the National Natural Science Foundation of China (61174042, 612279002) and in part by Beijing Natural	0.7	
14	Consensus Control of Second-Order Stochastic Delayed Multi-Agent Systems with Intrinsic Dynamics and Undirected Topologies * *Corresponding Author: Tao Li. Xiaofeng Zong work was supported by the Fundamental Research Funds for the Central Universities, China University of	0.7	
13	Geosciences(Wuhan) under Grant No. CUG170610. Tao Lill work was supported by the National Natural Science Foundation of China under Grant 61522310 and Shanghai Rising-Star Program Worst-Case Identification Using Quantized Observations <b>2010</b> , 149-169 under Grant No. 15QA14UZUUU. 3-Feng Zhangh work was sup. 1FAC-PapersOnLine, <b>2017</b> , 50, 2421-2426		
12	Identification of Wiener Systems with Binary-Valued Observations <b>2010</b> , 173-195		
11	RATIONAL MODEL IDENTIFICATION WITH UNKNOWN NOISE DISTRIBUTION USING BINARY DATA. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2006</b> , 39, 243-248		
10	Identification of Coefficients, Orders and Time-delay for ARMAX Systems *. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>1990</b> , 23, 95-100		
9	Stochastic Adaptive Control for ARMAX Systems with Unknown Orders, Time-Delay and Coefficients *. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>1990</b> , 23, 26	57-272	
8	Worst-Case Identification under Binary-Valued Observations <b>2010</b> , 119-147		
7	Empirical-Measure-Based Identification: Binary-Valued Observations <b>2010</b> , 25-47		
6	Input Design for Identification in Connected Systems <b>2010</b> , 81-93		
5	Rational Systems <b>2010</b> , 59-66		

- Space and Time Complexities, Threshold Selection, Adaptation 2010, 255-273
- 3 Identification of Sensor Thresholds and Noise Distribution Functions **2010**, 95-116
- 2 Estimation Error Bounds: Including Unmodeled Dynamics **2010**, 49-57
- Stochastic Consensus Control of Multi-agent Systems under General Noises and Delays. *Studies in Systems, Decision and Control*, **2021**, 225-254

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