

Ji-Feng Zhang

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.

111 papers	4,354 citations	31 h-index	65 g-index
120 ext. papers	5,526 ext. citations	3.5 avg, IF	6.04 L-index

#	Paper	IF	Citations
111	A unified identification algorithm of FIR systems based on binary observations with time-varying thresholds. <i>Automatica</i> , 2022 , 135, 109990	5.7	1
110	Quantized-output feedback model reference control of discrete-time linear systems. <i>Automatica</i> , 2021 , 137, 110027	5.7	3
109	Distributed Recursive Projection Identification with Binary-Valued Observations. <i>Journal of Systems Science and Complexity</i> , 2021 , 34, 2048-2068	1	0
108	Implicit function based adaptive control of non-canonical form discrete-time nonlinear systems. <i>Automatica</i> , 2021 , 129, 109629	5.7	2
107	Social Optima in Robust Mean Field LQG Control: From Finite to Infinite Horizon. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 1529-1544	5.9	2
106	. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 2604-2619	5.9	10
105	Stochastic Consensus Control of Multi-agent Systems under General Noises and Delays. <i>Studies in Systems, Decision and Control</i> , 2021 , 225-254	0.8	
104	Differentially private consensus algorithm for continuous-time heterogeneous multi-agent systems. <i>Automatica</i> , 2020 , 122, 109283	5.7	10
103	Mean field linear-quadratic control: Uniform stabilization and social optimality. <i>Automatica</i> , 2020 , 121, 109088	5.7	4
102	Time-Inconsistent Stochastic LQ Problem with Regime Switching. <i>Journal of Systems Science and Complexity</i> , 2020 , 33, 1733-1754	1	0
101	Mixed Equilibrium Solution of Time-Inconsistent Stochastic Linear-Quadratic Problem. <i>SIAM Journal on Control and Optimization</i> , 2019 , 57, 533-569	1.9	8
100	Consensus conditions of continuous-time multi-agent systems with time-delays and measurement noises. <i>Automatica</i> , 2019 , 99, 412-419	5.7	52
99	Consensus Conditions of Continuous-Time Multi-Agent Systems with Additive and Multiplicative Measurement Noises. <i>SIAM Journal on Control and Optimization</i> , 2018 , 56, 19-52	1.9	30
98	Stability of stochastic functional differential systems using degenerate Lyapunov functionals and applications. <i>Automatica</i> , 2018 , 91, 197-207	5.7	28
97	Information Security Protocol Based System Identification with Binary-Valued Observations. <i>Journal of Systems Science and Complexity</i> , 2018 , 31, 946-963	1	2
96	. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 1059-1074	5.9	41
95	Consensus control of second-order delayed multiagent systems with intrinsic dynamics and measurement noises. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 5050-5070	3.6	12

94	Consensus of Nonlinear Multi-Agent Systems with Multiplicative Noises and Time-Varying Delays 2018 ,		1
93	. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 2771-2786	5.9	10
92	A Robust and Powerful Set-Valued Approach to Rare Variant Association Analyses of Secondary Traits in Case-Control Sequencing Studies. <i>Genetics</i> , 2017 , 205, 1049-1062	4	3
91	Identification of Wiener systems with quantized inputs and binary-valued output observations. <i>Automatica</i> , 2017 , 78, 280-286	5.7	23
90	Social Optima in Mean Field Linear-Quadratic-Gaussian Models with Markov Jump Parameters. <i>SIAM Journal on Control and Optimization</i> , 2017 , 55, 429-456	1.9	25
89	System Identification under Information Security. <i>IFAC-PapersOnLine</i> , 2017 , 50, 3756-3761	0.7	3
88	Consensus Control of Second-Order Stochastic Delayed Multi-Agent Systems with Intrinsic Dynamics and Undirected Topologies * *Corresponding Author: Tao Li. Xiaofeng Zong's work was supported by the Fundamental Research Funds for the Central Universities, China University of Geosciences(Wuhan) under Grant No. CUG170610. Tao Li's work was supported by the National	0.7	
87	Natural Science Foundation of China under Grant 61522310 and Shanghai Rising-Star Program under Grant No. 15QA1402000. Ji-Feng Zhang's work was sup. <i>IFAC-PapersOnLine</i> , 2017 , 50, 2421-2426		4
86	Indefinite Mean-Field Stochastic Linear-Quadratic Optimal Control: From Finite Horizon to Infinite Horizon. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3269-3284	5.9	24
85	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> , 2016 , 26, 631-645	3.6	12
84	Output feedback quantized observer-based synchronization of linear multi-agent systems over jointly connected topologies. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 2378-2400	3.6	4
83	Mean-field stochastic linear-quadratic optimal control with Markov jump parameters. <i>Systems and Control Letters</i> , 2016 , 93, 69-76	2.4	16
82	Indefinite Mean-Field Stochastic Linear-Quadratic Optimal Control. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 1786-1800	5.9	40
81	Continuous-time multi-agent averaging with relative-state-dependent measurement noises: matrix intensity functions. <i>IET Control Theory and Applications</i> , 2015 , 9, 374-380	2.5	13
80	Asymptotically efficient identification of FIR systems with quantized observations and general quantized inputs. <i>Automatica</i> , 2015 , 57, 113-122	5.7	37
79	Stochastic Approximation Based Consensus Dynamics over Markovian Networks. <i>SIAM Journal on Control and Optimization</i> , 2015 , 53, 3339-3363	1.9	7
78	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 Science Foundation under grant 4144078.. <i>IFAC-PapersOnLine</i> , 2015 , 48, 674-679	0.7	
77	Finite-Horizon Indefinite Mean-Field Stochastic Linear-Quadratic Optimal Control. <i>IFAC-PapersOnLine</i> , 2015 , 48, 211-216	0.7	1

76	Stochastic consensus of continuous-time multi-agent systems with additive measurement noises 2015 ,		3
75	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> , 2015 , 79, 294-309	2.2	5
74	Distributed dynamic consensus under quantized communication data. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 1704-1720	3.6	9
73	Hierarchical Mean Field Games for Multiagent Systems With Tracking-Type Costs: Distributed ϵ -Stackelberg Equilibria. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 2241-2247	5.9	25
72	Multi-Agent Consensus With Relative-State-Dependent Measurement Noises. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 2463-2468	5.9	111
71	A new system identification approach to identify genetic variants in sequencing studies for a binary phenotype. <i>Human Heredity</i> , 2014 , 78, 104-16	1.1	13
70	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> , 2014 , 47, 9750-9755		3
69	Distributed Tracking of Multi-Agent Systems with High-Order Stochastic Nonlinear Dynamics. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 7348-7353		2
68	Multi-equilibrium property of metabolic networks: MMN module. <i>International Journal of Robust and Nonlinear Control</i> , 2014 , 24, 1505-1529	3.6	1
67	Distributed practical output tracking of high-order stochastic multi-agent systems with inherent nonlinear drift and diffusion terms. <i>Automatica</i> , 2014 , 50, 3231-3238	5.7	65
66	Adaptive Mean Field Games for Large Population Coupled ARX Systems with Unknown Coupling Strength. <i>Dynamic Games and Applications</i> , 2013 , 3, 489-507	1.1	5
65	Quantized Data-Based Distributed Consensus under Directed Time-Varying Communication Topology. <i>SIAM Journal on Control and Optimization</i> , 2013 , 51, 332-352	1.9	39
64	Continuous-time and sampled-data-based average consensus with logarithmic quantizers. <i>Automatica</i> , 2013 , 49, 3329-3336	5.7	98
63	. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 2862-2877	5.9	8
62	Consensus conditions of continuous-time multi-agent systems with relative-state-dependent measurement noises and matrix-valued intensity functions 2013 ,		4
61	Adaptive Tracking Control of Linear Systems With Binary-Valued Observations and Periodic Target. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 1293-1298	5.9	13
60	Distributed output feedback control of Markov jump multi-agent systems. <i>Automatica</i> , 2013 , 49, 1397-1402	5.7	36
59	Distributed tracking of second-order multi-agent systems with measurement noise 2013 ,		1

58	Mean Field Games for Large-Population Multiagent Systems with Markov Jump Parameters. <i>SIAM Journal on Control and Optimization</i> , 2012 , 50, 2308-2334	1.9	66
57	Distributed control of multi-agent systems with random parameters and a major agent. <i>Automatica</i> , 2012 , 48, 2093-2106	5.7	43
56	. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 2545-2560	5.9	61
55	Adaptive tracking of a class of first-order systems with binary-valued observations and fixed thresholds. <i>Journal of Systems Science and Complexity</i> , 2012 , 25, 1041-1051	1	10
54	Adaptive Tracking via Binary-Valued Observations with Fixed Threshold*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 1239-1244		2
53	. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 279-292	5.9	305
52	Distributed Quantized Averaging under Directed Time-Varying Topologies. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 2356-2361		3
51	A parameter condition for ruling out multiple equilibria of the photosynthetic carbon metabolism. <i>Asian Journal of Control</i> , 2011 , 13, 611-624	1.7	4
50	Multi-equilibrium property of metabolic networks: SSI module. <i>BMC Systems Biology</i> , 2011 , 5 Suppl 1, S15	3.5	2
49	Multi-equilibrium property of metabolic networks: Exclusion of multi-stability for SSN metabolic modules. <i>International Journal of Robust and Nonlinear Control</i> , 2011 , 21, 1791-1806	3.6	3
48	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> , 2011 , 56, 2991-2996	5.9	22
47	System Identification with Quantized Observations 2010 ,		101
46	Robust adaptive control of coupled stochastic multi-agent systems with unmodeled dynamics 2010 ,		1
45	Worst-Case Identification Using Quantized Observations 2010 , 149-169		
44	Identification of Wiener Systems with Binary-Valued Observations 2010 , 173-195		
43	Consensus Conditions of Multi-Agent Systems With Time-Varying Topologies and Stochastic Communication Noises. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 2043-2057	5.9	360
42	2010 ,		2
41	Identification of Hammerstein Systems with Quantized Observations. <i>SIAM Journal on Control and Optimization</i> , 2010 , 48, 4352-4376	1.9	30

40	Necessary and Sufficient Conditions for Consensusability of Linear Multi-Agent Systems. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 1263-1268	5.9	427
39	Worst-Case Identification under Binary-Valued Observations 2010 , 119-147		
38	Empirical-Measure-Based Identification: Binary-Valued Observations 2010 , 25-47		
37	Input Design for Identification in Connected Systems 2010 , 81-93		
36	Rational Systems 2010 , 59-66		
35	Space and Time Complexities, Threshold Selection, Adaptation 2010 , 255-273		
34	Identification of Sensor Thresholds and Noise Distribution Functions 2010 , 95-116		
33	Estimation Error Bounds: Including Unmodeled Dynamics 2010 , 49-57		
32	Double-stepped adaptive control for hybrid systems with unknown Markov jumps and stochastic noises. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2009 , 15, 969-993	1	0
31	Mean square average-consensus under measurement noises and fixed topologies: Necessary and sufficient conditions. <i>Automatica</i> , 2009 , 45, 1929-1936	5.7	298
30	Jointly Deterministic and Stochastic Identification of Linear Systems Using Binary-Valued Observations. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 60-65		2
29	. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 1643-1660	5.9	122
28	Adaptive output-feedback control for a class of uncertain stochastic non-linear systems with time delays. <i>International Journal of Control</i> , 2008 , 81, 1210-1220	1.5	142
27	A notion of stochastic input-to-state stability and its application to stability of cascaded stochastic nonlinear systems. <i>Acta Mathematicae Applicatae Sinica</i> , 2008 , 24, 141-156	0.3	79
26	Identification Input Design for Consistent Parameter Estimation of Linear Systems With Binary-Valued Output Observations. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 867-880	5.9	25
25	Output-feedback control of a class of stochastic nonlinear systems with linearly bounded unmeasurable states. <i>International Journal of Robust and Nonlinear Control</i> , 2008 , 18, 665-687	3.6	92
24	Global output-feedback stabilization for a class of stochastic non-minimum-phase nonlinear systems. <i>Automatica</i> , 2008 , 44, 1944-1957	5.7	109
23	Space and time complexities and sensor threshold selection in quantized identification. <i>Automatica</i> , 2008 , 44, 3014-3024	5.7	24

22	Decentralized tracking-type games for multi-agent systems with coupled ARX models: Asymptotic Nash equilibria. <i>Automatica</i> , 2008 , 44, 713-725	5.7	38
21	Decentralized adaptive output-feedback stabilization for large-scale stochastic nonlinear systems. <i>Automatica</i> , 2007 , 43, 238-251	5.7	408
20	Identification of Wiener systems with binary-valued output observations. <i>Automatica</i> , 2007 , 43, 1752-1765	5.7	79
19	Robust Output-feedback Stabilization for a Class of Uncertain Stochastic Nonlinear Systems with Time-varying Time Delays 2007 ,		6
18	2007 ,		1
17	Practical Output-Feedback Risk-Sensitive Control for Stochastic Nonlinear Systems with Stable Zero-Dynamics. <i>SIAM Journal on Control and Optimization</i> , 2006 , 45, 885-926	1.9	127
16	RATIONAL MODEL IDENTIFICATION WITH UNKNOWN NOISE DISTRIBUTION USING BINARY DATA. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 243-248		
15	SYSTEM IDENTIFICATION USING QUANTIZED DATA. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 255-260		1
14	Stability analysis and stabilization control of multi-variable switched stochastic systems. <i>Automatica</i> , 2006 , 42, 169-176	5.7	59
13	Joint identification of plant rational models and noise distribution functions using binary-valued observations. <i>Automatica</i> , 2006 , 42, 535-547	5.7	75
12	Optimality analysis of adaptive sampled control of hybrid systems with quadratic index. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 1044-1051	5.9	7
11	Reduced-order observer-based control design for nonlinear stochastic systems. <i>Systems and Control Letters</i> , 2004 , 52, 123-135	2.4	76
10	System identification using binary sensors. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 1892-1907	5.9	168
9	On the Adaptive Control of Jump Parameter Systems via Nonlinear Filtering. <i>SIAM Journal on Control and Optimization</i> , 1995 , 33, 1758-1777	1.9	43
8	General lemmas for stability analysis of linear continuous-time systems with slowly time-varying parameters. <i>International Journal of Control</i> , 1993 , 58, 1437-1444	1.5	11
7	Identification and adaptive control for ARMAX systems 1991 , 216-241		11
6	Identification of Coefficients, Orders and Time-delay for ARMAX Systems *. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1990 , 23, 95-100		
5	Stochastic Adaptive Control for ARMAX Systems with Unknown Orders, Time-Delay and Coefficients *. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1990 , 23, 267-272		

4	. <i>IEEE Transactions on Automatic Control</i> , 1990 , 35, 866-877	5.9	20
3	Consistent order estimation for linear stochastic feedback control systems (CARMA model). <i>Automatica</i> , 1989 , 25, 147-151	5.7	11
2	Convergence rates in stochastic adaptive tracking□ <i>International Journal of Control</i> , 1989 , 49, 1915-1935	1.5	8
1	LS-Based Parameter Estimation of DARMA Systems with Uniformly Quantized Observations. <i>Journal of Systems Science and Complexity</i> ,1	1	1