

Ji-Feng Zhang

List of Publications by Year in descending order

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116
papers

6,153
citations

94381

37
h-index

69214

77
g-index

120
all docs

120
docs citations

120
times ranked

2398
citing authors

#	ARTICLE	IF	CITATIONS
1	Necessary and Sufficient Conditions for Consensusability of Linear Multi-Agent Systems. IEEE Transactions on Automatic Control, 2010, 55, 1263-1268.	3.6	607
2	Decentralized adaptive output-feedback stabilization for large-scale stochastic nonlinear systems. Automatica, 2007, 43, 238-251.	3.0	527
3	Consensus Conditions of Multi-Agent Systems With Time-Varying Topologies and Stochastic Communication Noises. IEEE Transactions on Automatic Control, 2010, 55, 2043-2057.	3.6	493
4	Distributed Consensus With Limited Communication Data Rate. IEEE Transactions on Automatic Control, 2011, 56, 279-292.	3.6	447
5	Mean square average-consensus under measurement noises and fixed topologies: Necessary and sufficient conditions. Automatica, 2009, 45, 1929-1936.	3.0	402
6	System identification using binary sensors. IEEE Transactions on Automatic Control, 2003, 48, 1892-1907.	3.6	231
7	Adaptive output-feedback control for a class of uncertain stochastic non-linear systems with time delays. International Journal of Control, 2008, 81, 1210-1220.	1.2	179
8	Asymptotically Optimal Decentralized Control for Large Population Stochastic Multiagent Systems. IEEE Transactions on Automatic Control, 2008, 53, 1643-1660.	3.6	174
9	Multi-Agent Consensus With Relative-State-Dependent Measurement Noises. IEEE Transactions on Automatic Control, 2014, 59, 2463-2468.	3.6	170
10	Practical Output-Feedback Risk-Sensitive Control for Stochastic Nonlinear Systems with Stable Zero-Dynamics. SIAM Journal on Control and Optimization, 2006, 45, 885-926.	1.1	156
11	System Identification with Quantized Observations. Systems and Control: Foundations and Applications, 2010, , .	0.1	147
12	Continuous-time and sampled-data-based average consensus with logarithmic quantizers. Automatica, 2013, 49, 3329-3336.	3.0	142
13	Global output-feedback stabilization for a class of stochastic non-minimum-phase nonlinear systems. Automatica, 2008, 44, 1944-1957.	3.0	129
14	A notion of stochastic input-to-state stability and its application to stability of cascaded stochastic nonlinear systems. Acta Mathematicae Applicatae Sinica, 2008, 24, 141-156.	0.4	107
15	Output-feedback control of a class of stochastic nonlinear systems with linearly bounded unmeasurable states. International Journal of Robust and Nonlinear Control, 2008, 18, 665-687.	2.1	105
16	Consensus conditions of continuous-time multi-agent systems with time-delays and measurement noises. Automatica, 2019, 99, 412-419.	3.0	99
17	Identification of Wiener systems with binary-valued output observations. Automatica, 2007, 43, 1752-1765.	3.0	98
18	Reduced-order observer-based control design for nonlinear stochastic systems. Systems and Control Letters, 2004, 52, 123-135.	1.3	97

#	ARTICLE	IF	CITATIONS
19	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.	3.0	97
20	Joint identification of plant rational models and noise distribution functions using binary-valued observations. <i>Automatica</i> , 2006, 42, 535-547.	3.0	95
21	Mean Field Games for Large-Population Multiagent Systems with Markov Jump Parameters. <i>SIAM Journal on Control and Optimization</i> , 2012, 50, 2308-2334.	1.1	92
22	Distributed Parameter Estimation Over Unreliable Networks With Markovian Switching Topologies. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 2545-2560.	3.6	87
23	Stability analysis and stabilization control of multi-variable switched stochastic systems. <i>Automatica</i> , 2006, 42, 169-176.	3.0	71
24	Stochastic Consentability of Linear Systems With Time Delays and Multiplicative Noises. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 1059-1074.	3.6	67
25	On the Adaptive Control of Jump Parameter Systems via Nonlinear Filtering. <i>SIAM Journal on Control and Optimization</i> , 1995, 33, 1758-1777.	1.1	61
26	Distributed control of multi-agent systems with random parameters and a major agent. <i>Automatica</i> , 2012, 48, 2093-2106.	3.0	61
27	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.	1.1	58
28	Indefinite Mean-Field Stochastic Linear-Quadratic Optimal Control. <i>IEEE Transactions on Automatic Control</i> , 2015, 60, 1786-1800.	3.6	54
29	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.	1.1	54
30	Decentralized tracking-type games for multi-agent systems with coupled ARX models: Asymptotic Nash equilibria. <i>Automatica</i> , 2008, 44, 713-725.	3.0	53
31	Quantized Data-Based Distributed Consensus under Directed Time-Varying Communication Topology. <i>SIAM Journal on Control and Optimization</i> , 2013, 51, 332-352.	1.1	53
32	Distributed output feedback control of Markov jump multi-agent systems. <i>Automatica</i> , 2013, 49, 1397-1402.	3.0	48
33	Asymptotically efficient identification of FIR systems with quantized observations and general quantized inputs. <i>Automatica</i> , 2015, 57, 113-122.	3.0	48
34	Stability of stochastic functional differential systems using degenerate Lyapunov functionals and applications. <i>Automatica</i> , 2018, 91, 197-207.	3.0	45
35	Identification of Hammerstein Systems with Quantized Observations. <i>SIAM Journal on Control and Optimization</i> , 2010, 48, 4352-4376.	1.1	40
36	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.	3.6	39

#	ARTICLE	IF	CITATIONS
37	Hierarchical Mean Field Games for Multiagent Systems With Tracking-Type Costs: Distributed ϵ -Stackelberg Equilibria. IEEE Transactions on Automatic Control, 2014, 59, 2241-2247.	3.6	37
38	Differentially private consensus algorithm for continuous-time heterogeneous multi-agent systems. Automatica, 2020, 122, 109283.	3.0	37
39	Identification and adaptive control for systems with unknown orders, delay, and coefficients. IEEE Transactions on Automatic Control, 1990, 35, 866-877.	3.6	36
40	Identification Input Design for Consistent Parameter Estimation of Linear Systems With Binary-Valued Output Observations. IEEE Transactions on Automatic Control, 2008, 53, 867-880.	3.6	34
41	Identification of Wiener systems with quantized inputs and binary-valued output observations. Automatica, 2017, 78, 280-286.	3.0	33
42	Adaptive Tracking Control of A Class of First-Order Systems With Binary-Valued Observations and Time-Varying Thresholds. IEEE Transactions on Automatic Control, 2011, 56, 2991-2996.	3.6	31
43	Space and time complexities and sensor threshold selection in quantized identification. Automatica, 2008, 44, 3014-3024.	3.0	30
44	Mean field linear-quadratic control: Uniform stabilization and social optimality. Automatica, 2020, 121, 109088.	3.0	29
45	Mean-field stochastic linear-quadratic optimal control with Markov jump parameters. Systems and Control Letters, 2016, 93, 69-76.	1.3	24
46	Delay Tolerance for Stable Stochastic Systems and Extensions. IEEE Transactions on Automatic Control, 2021, 66, 2604-2619.	3.6	20
47	Adaptive tracking of a class of first-order systems with binary-valued observations and fixed thresholds. Journal of Systems Science and Complexity, 2012, 25, 1041-1051.	1.6	19
48	Adaptive Tracking Control of Linear Systems With Binary-Valued Observations and Periodic Target. IEEE Transactions on Automatic Control, 2013, 58, 1293-1298.	3.6	19
49	A New System Identification Approach to Identify Genetic Variants in Sequencing Studies for a Binary Phenotype. Human Heredity, 2014, 78, 104-116.	0.4	19
50	Time-Inconsistent Mean-Field Stochastic LQ Problem: Open-Loop Time-Consistent Control. IEEE Transactions on Automatic Control, 2018, 63, 2771-2786.	3.6	19
51	Consensus control of second-order delayed multiagent systems with intrinsic dynamics and measurement noises. International Journal of Robust and Nonlinear Control, 2018, 28, 5050-5070.	2.1	17
52	General lemmas for stability analysis of linear continuous-time systems with slowly time-varying parameters. International Journal of Control, 1993, 58, 1437-1444.	1.2	16
53	Continuous-time multi-agent averaging with relative-state-dependent measurement noises: matrix intensity functions. IET Control Theory and Applications, 2015, 9, 374-380.	1.2	16
54	Identification and adaptive control for ARMAX systems. , 1991, , 216-241.		15

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55	Consistent order estimation for linear stochastic feedback control systems (CARMA model). <i>Automatica</i> , 1989, 25, 147-151.	3.0	14
56	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.	2.1	14
57	Optimality analysis of adaptive sampled control of hybrid systems with quadratic index. <i>IEEE Transactions on Automatic Control</i> , 2005, 50, 1044-1051.	3.6	13
58	Adaptive Tracking Games for Coupled Stochastic Linear Multi-Agent Systems: Stability, Optimality and Robustness. <i>IEEE Transactions on Automatic Control</i> , 2013, 58, 2862-2877.	3.6	12
59	Distributed dynamic consensus under quantized communication data. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 1704-1720.	2.1	12
60	Mixed Equilibrium Solution of Time-Inconsistent Stochastic Linear-Quadratic Problem. <i>SIAM Journal on Control and Optimization</i> , 2019, 57, 533-569.	1.1	12
61	Quantized-output feedback model reference control of discrete-time linear systems. <i>Automatica</i> , 2022, 137, 110027.	3.0	12
62	A unified identification algorithm of FIR systems based on binary observations with time-varying thresholds. <i>Automatica</i> , 2022, 135, 109990.	3.0	11
63	Stochastic Approximation Based Consensus Dynamics over Markovian Networks. <i>SIAM Journal on Control and Optimization</i> , 2015, 53, 3339-3363.	1.1	10
64	Implicit function based adaptive control of non-canonical form discrete-time nonlinear systems. <i>Automatica</i> , 2021, 129, 109629.	3.0	10
65	Robust Output-feedback Stabilization for a Class of Uncertain Stochastic Nonlinear Systems with Time-varying Time Delays. , 2007, , .		9
66	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.	0.3	9
67	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.	2.1	9
68	Social Optima in Robust Mean Field LQC Control: From Finite to Infinite Horizon. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 1529-1544.	3.6	9
69	Convergence rates in stochastic adaptive tracking. <i>International Journal of Control</i> , 1989, 49, 1915-1935.	1.2	8
70	Consensus conditions of continuous-time multi-agent systems with relative-state-dependent measurement noises and matrix-valued intensity functions. , 2013, , .		7
71	Distributed Quantized Averaging under Directed Time-Varying Topologies. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011, 44, 2356-2361.	0.4	6
72	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	6

#	ARTICLE	IF	CITATIONS
73	Stochastic consensus of linear multi-agent systems with multiplicative measurement noises. , 2016, , .		6
74	Distributed Recursive Projection Identification with Binary-Valued Observations. Journal of Systems Science and Complexity, 2021, 34, 2048-2068.	1.6	6
75	A parameter condition for ruling out multiple equilibria of the photosynthetic carbon metabolism. Asian Journal of Control, 2011, 13, 611-624.	1.9	5
76	Adaptive Tracking via Binary-Valued Observations with Fixed Threshold*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1239-1244.	0.4	5
77	SYSTEM IDENTIFICATION USING QUANTIZED DATA. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 255-260.	0.4	4
78	Stochastic consensus of continuous-time multi-agent systems with additive measurement noises. , 2015, , .		4
79	A Robust and Powerful Set-Valued Approach to Rare Variant Association Analyses of Secondary Traits in Case-Control Sequencing Studies. Genetics, 2017, 205, 1049-1062.	1.2	4
80	System Identification under Information Security. IFAC-PapersOnLine, 2017, 50, 3756-3761.	0.5	4
81	LS-Based Parameter Estimation of DARMA Systems with Uniformly Quantized Observations. Journal of Systems Science and Complexity, 2022, 35, 748-765.	1.6	4
82	Jointly Deterministic and Stochastic Identification of Linear Systems Using Binary-Valued Observations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 60-65.	0.4	3
83	Multi-€equilibrium property of metabolic networks: Exclusion of multi-€stability for SSN metabolic modules. International Journal of Robust and Nonlinear Control, 2011, 21, 1791-1806.	2.1	3
84	Distributed tracking of second-order multi-agent systems with measurement noise. , 2013, , .		3
85	Mean square averaging with relative-state-dependent measurement noises and linear noise intensity functions. , 2014, , .		3
86	Linear-Quadratic Control of Discrete-Time Stochastic Systems with Indefinite Weight Matrices and Mean-Field Terms. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9750-9755.	0.4	3
87	Information Security Protocol Based System Identification with Binary-Valued Observations. Journal of Systems Science and Complexity, 2018, 31, 946-963.	1.6	3
88	Consensus of Nonlinear Multi-Agent Systems with Multiplicative Noises and Time-Varying Delays. , 2018, , .		3
89	Asymptotically Optimal Decentralized Control for Interacted ARX Multi-Agent Systems. , 2007, , .		2
90	Double-stepped adaptive control for hybrid systems with unknown Markov jumps and stochastic noises. ESAIM - Control, Optimisation and Calculus of Variations, 2009, 15, 969-993.	0.7	2

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91	Robust adaptive control of coupled stochastic multi-agent systems with unmodeled dynamics. , 2010, , .		2
92	Decentralized adaptive games for large population coupled ARX systems with unknown coupling strength. , 2010, , .		2
93	Adaptive tracking-type games for coupled large population ARMAX systems. , 2010, , .		2
94	Multi-equilibrium property of metabolic networks: SSI module. BMC Systems Biology, 2011, 5, S15.	3.0	2
95	Distributed Tracking of Multi-Agent Systems with High-Order Stochastic Nonlinear Dynamics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 7348-7353.	0.4	2
96	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.. IFAC-PapersOnLine, 2015, 48, 674-679.	0.5	2
97	Time-Inconsistent Stochastic LQ Problem with Regime Switching. Journal of Systems Science and Complexity, 2020, 33, 1733-1754.	1.6	2
98	Identification of Coefficients, Orders and Time-delay for ARMAX Systems *. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1990, 23, 95-100.	0.4	1
99	Worst-Case Identification Using Quantized Observations. Systems and Control: Foundations and Applications, 2010, , 149-169.	0.1	1
100	Multi-equilibrium property of metabolic networks: MMN module. International Journal of Robust and Nonlinear Control, 2014, 24, 1505-1529.	2.1	1
101	Finite-Horizon Indefinite Mean-Field Stochastic Linear-Quadratic Optimal Control. IFAC-PapersOnLine, 2015, 48, 211-216.	0.5	1
102	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 Natural Science Foundation of China under Grant 61522310 and Shanghai Rising-Star Program under Grant No. 15QA1402000. Ji-Feng Zhang's work was sup. IFAC-PapersOnLine, 2017, 50, 2421-2426.	0.5	1
103	Stochastic Adaptive Control for ARMAX Systems with Unknown Orders, Time-Delay and Coefficients *. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1990, 23, 267-272.	0.4	0
104	RATIONAL MODEL IDENTIFICATION WITH UNKNOWN NOISE DISTRIBUTION USING BINARY DATA. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 243-248.	0.4	0
105	Output-feedback-based adaptive risk-sensitive tracking control for stochastic nonlinear uncertain systems. , 2007, , .		0
106	Global Output-Feedback Stabilization for a Class of Stochastic Non-Minimum-Phase Nonlinear Systems. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	0
107	Identification of Wiener Systems with Binary-Valued Observations. , 2010, , 173-195.		0
108	System identification with multi-threshold quantized observations and bounded persistent excitations. , 2012, , .		0

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109	Stochastic consentability of continuous-time multi-agent systems with relative-state-dependent measurement noises. , 2014, , .		0
110	Stochastic approximation for consensus over general digraphs with Markovian switches. , 2014, , .		0
111	Synchronization of neutrally stable linear systems over digital networks. , 2016, , .		0
112	An Introductory Review of Time-Inconsistent Stochastic Optimal Control. , 2018, , .		0
113	Stochastic Consensus Control of Multi-agent Systems under General Noises and Delays. Studies in Systems, Decision and Control, 2021, , 225-254.	0.8	0
114	Empirical-Measure-Based Identification: Binary-Valued Observations. , 2010, , 25-47.		0
115	Input Design for Identification in Connected Systems. , 2010, , 81-93.		0
116	Identification of Sensor Thresholds and Noise Distribution Functions. , 2010, , 95-116.		0