Hong Yiguang

List of Publications by Citations

202 papers	9,800 citations	45 h-index	96 g-index
232 ext. papers	12,668 ext. citations	4.1 avg, IF	6.9 L-index

#	Paper	IF	Citations
202	Tracking control for multi-agent consensus with an active leader and variable topology. *Automatica*, **2006**, 42, 1177-1182	5.7	1303
201	Distributed observers design for leader-following control of multi-agent networks. *Automatica*, **2008**, 44, 846-850	5.7	800
200	Leader-following coordination of multi-agent systems with coupling time delays. *Physica A: Statistical Mechanics and Its Applications*, **2007**, 374, 853-863	3.3	644
199	Finite-time stabilization and stabilizability of a class of controllable systems. *Systems and Control Letters*, **2002**, 46, 231-236	2.4	401
198	Finite-time control for robot manipulators. *Systems and Control Letters*, **2002**, 46, 243-253	2.4	328
197	Lyapunov-Based Approach to Multiagent Systems With Switching Jointly Connected Interconnection. *IEEE Transactions on Automatic Control*, **2007**, 52, 943-948	5.9	313
196	A Distributed Control Approach to A Robust Output Regulation Problem for Multi-Agent Linear Systems. *IEEE Transactions on Automatic Control*, **2010**, 55, 2891-2895	5.9	289
195	Adaptive finite-time control of nonlinear systems with parametric uncertainty. *IEEE Transactions on Automatic Control*, **2006**, 51, 858-862	5.9	284
194	Initialization-free distributed algorithms for optimal resource allocation with feasibility constraints and application to economic dispatch of power systems. *Automatica*, **2016**, 74, 259-269	5.7	209
193	Finite-Time Stabilization of Nonlinear Systems With Parametric and Dynamic Uncertainties. *IEEE Transactions on Automatic Control*, **2006**, 51, 1950-1956	5.9	193
192	A General Result on the Robust Cooperative Output Regulation for Linear Uncertain Multi-Agent Systems. *IEEE Transactions on Automatic Control*, **2013**, 58, 1275-1279	5.9	167
191	Reaching an Optimal Consensus: Dynamical Systems That Compute Intersections of Convex Sets. *IEEE Transactions on Automatic Control*, **2013**, 58, 610-622	5.9	166
190	Distributed gradient algorithm for constrained optimization with application to load sharing in power systems. *Systems and Control Letters*, **2015**, 83, 45-52	2.4	151
189	Global target aggregation and state agreement of nonlinear multi-agent systems with switching topologies. *Automatica*, **2009**, 45, 1165-1175	5.7	150
188	Distributed output regulation of leader-follower multi-agent systems. *International Journal of Robust and Nonlinear Control*, **2013**, 23, 48-66	3.6	148
187	Target containment control of multi-agent systems with random switching interconnection topologies. *Automatica*, **2012**, 48, 879-885	5.7	146
186	A survey of distributed optimization. *Annual Reviews in Control*, **2019**, 47, 278-305	10.3	141

185	Finite-Time Consensus for Multi-Agent Networks with Second-Order Agent Dynamics. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 15185-15190		122
184	Behaviors of networks with antagonistic interactions and switching topologies. *Automatica*, **2016**, 73, 110-116	5.7	120
183	Distributed Optimization for a Class of Nonlinear Multiagent Systems With Disturbance Rejection. *IEEE Transactions on Cybernetics*, **2016**, 46, 1655-66	10.2	112
182	Distributed optimal coordination for multiple heterogeneous Euler–Lagrangian systems. *Automatica*, **2017**, 79, 207-213	5.7	105
181	Distributed Continuous-Time Algorithm for Constrained Convex Optimizations via Nonsmooth Analysis Approach. *IEEE Transactions on Automatic Control*, **2017**, 62, 5227-5233	5.9	96
180	Predicting chaotic time series with wavelet networks. *Physica D: Nonlinear Phenomena*, **1995**, 85, 225-238	3.3	95
179	Distributed Nash equilibrium seeking for aggregative games with coupled constraints. *Automatica*, **2017**, 85, 179-185	5.7	89
178	Matrix Approach to Model Matching of Asynchronous Sequential Machines. *IEEE Transactions on Automatic Control*, **2013**, 58, 2974-2979	5.9	86
177	Quantized Subgradient Algorithm and Data-Rate Analysis for Distributed Optimization. *IEEE Transactions on Control of Network Systems*, **2014**, 1, 380-392	4	84
176	Distributed attitude synchronization control of multi-agent systems with switching topologies. *Automatica*, **2014**, 50, 832-840	5.7	79
175	Connectivity and Set Tracking of Multi-Agent Systems Guided by Multiple Moving Leaders. *IEEE Transactions on Automatic Control*, **2012**, 57, 663-676	5.9	78
174	Analysis of a two-level software rejuvenation policy. *Reliability Engineering and System Safety*, **2005**, 87, 13-22	6.3	78
173	Stabilization of uncertain chained form systems within finite settling time. *IEEE Transactions on Automatic Control*, **2005**, 50, 1379-1384	5.9	77
172	Distributed Projection-Based Algorithms for Source Localization in Wireless Sensor Networks. *IEEE Transactions on Wireless Communications*, **2015**, 14, 3131-3142	9.6	71
171	Constrained Consensus Algorithms With Fixed Step Size for Distributed Convex Optimization Over Multiagent Networks. *IEEE Transactions on Automatic Control*, **2017**, 62, 4259-4265	5.9	70
170	Matrix expression and reachability analysis of finite automata. *Journal of Control Theory and Applications*, **2012**, 10, 210-215		70
169	Nash Equilibrium Computation in Subnetwork Zero-Sum Games With Switching Communications. *IEEE Transactions on Automatic Control*, **2016**, 61, 2920-2935	5.9	68
168	Distributed Nonsmooth Optimization With Coupled Inequality Constraints via Modified Lagrangian Function. *IEEE Transactions on Automatic Control*, **2018**, 63, 1753-1759	5.9	67

167	Distributed finite-time consensus algorithms for multi-agent systems with variable coupling topology. *Journal of Systems Science and Complexity*, **2010**, 23, 209-218	1	67
166	Switching manifold approach to chaos synchronization. *Physical Review E*, **1999**, 59, R2523-R2526	2.4	63
165	Quantized Leaderless and Leader-Following Consensus of High-Order Multi-Agent Systems With Limited Data Rate. *IEEE Transactions on Automatic Control*, **2016**, 61, 2432-2447	5.9	62
164	Distributed Continuous-Time Algorithms for Resource Allocation Problems Over Weight-Balanced Digraphs. *IEEE Transactions on Cybernetics*, **2018**, 48, 3116-3125	10.2	61
163	SOC Estimation-Based Quasi-Sliding Mode Control for Cell Balancing in Lithium-Ion Battery Packs. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 3427-3436	8.9	60
162	H control, stabilization, and input output stability of nonlinear systems with homogeneous properties. *Automatica*, **2001**, 37, 819-829	5.7	52
161	Optimal distributed stochastic mirror descent for strongly convex optimization. *Automatica*, **2018**, 90, 196-203	5.7	50
160	Approximate Projected Consensus for Convex Intersection Computation: Convergence Analysis and Critical Error Angle. *IEEE Transactions on Automatic Control*, **2014**, 59, 1722-1736	5.9	49
159	Distributed formation control with relaxed motion requirements. *International Journal of Robust and Nonlinear Control*, **2015**, 25, 3210-3230	3.6	46
158	Multi-Agent Optimization Design for Autonomous Lagrangian Systems. *Unmanned Systems*, **2016**, 04, 5-13	3	46
157	Noise leads to quasi-consensus of Hegselmann Krause opinion dynamics. *Automatica*, **2017**, 85, 448-454	5.7	45
156	Distributed Estimation for Moving Target Based on State-Consensus Strategy. *IEEE Transactions on Automatic Control*, **2013**, 58, 2096-2101	5.9	45
155	Distributed Output Regulation of Nonlinear Multi-Agent Systems via Host Internal Model. *IEEE Transactions on Automatic Control*, **2014**, 59, 2784-2789	5.9	43
154	Network Synchronization With Nonlinear Dynamics and Switching Interactions. *IEEE Transactions on Automatic Control*, **2016**, 61, 3103-3108	5.9	42
153	Controllability analysis of multi-agent systems with directed and weighted interconnection. *International Journal of Control*, **2012**, 85, 1486-1496	1.5	41
152	Adaptive multi-agent containment control with multiple parametric uncertain leaders. *Automatica*, **2014**, 50, 2366-2372	5.7	40
151	Generalized Nash equilibrium seeking strategy for distributed nonsmooth multi-cluster game. *Automatica*, **2019**, 103, 20-26	5.7	39
150	Dynamic optimization for multi-agent systems with external disturbances. *Control Theory and Technology*, **2014**, 12, 132-138	1	38

149	Decentralized sweep coverage algorithm for multi-agent systems with workload uncertainties. *Automatica*, **2013**, 49, 2154-2159	5.7	38
148	Observability analysis and observer design for finite automata via matrix approach. *IET Control Theory and Applications*, **2013**, 7, 1609-1615	2.5	38
147	Distributed Kalman Filters With State Equality Constraints: Time-Based and Event-Triggered Communications. *IEEE Transactions on Automatic Control*, **2020**, 65, 28-43	5.9	38
146	Opinion evolution analysis for short-range and long-range Deffuant⎯Weisbuch models. *Physica A: Statistical Mechanics and Its Applications*, **2013**, 392, 5289-5297	3.3	36
145	Consensus control of nonlinear leader⎯follower multi-agent systems with actuating disturbances. *Systems and Control Letters*, **2014**, 73, 58-66	2.4	36
144	Multi-agent tracking of a high-dimensional active leader with switching topology. *Journal of Systems Science and Complexity*, **2009**, 22, 722-731	1	36
143	Optimal Output Consensus of High-Order Multiagent Systems With Embedded Technique. *IEEE Transactions on Cybernetics*, **2019**, 49, 1768-1779	10.2	36
142	On Convergence Rate of Distributed Stochastic Gradient Algorithm for Convex Optimization with Inequality Constraints. *SIAM Journal on Control and Optimization*, **2016**, 54, 2872-2892	1.9	35
141	Multi-target localization and circumnavigation by a single agent using bearing measurements. *International Journal of Robust and Nonlinear Control*, **2015**, 25, 2362-2374	3.6	35
140	Uniform convergence for signed networks under directed switching topologies. *Automatica*, **2018**, 90, 8-15	5.7	33
139	Distributed continuous-time approximate projection protocols for shortest distance optimization problems. *Automatica*, **2016**, 69, 289-297	5.7	33
138	ADAPTIVE SYNCHRONIZATION OF CHAOTIC SYSTEMS VIA STATE OR OUTPUT FEEDBACK CONTROL. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2001**, 11, 1149-1158	2	32
137	Distributed output regulation for a class of nonlinear multi-agent systems with unknown-input leaders. *Automatica*, **2015**, 62, 154-160	5.7	31
136	Distributed Surrounding Design of Target Region With Complex Adjacency Matrices. *IEEE Transactions on Automatic Control*, **2015**, 60, 283-288	5.9	30
135	Distributed sub-optimal resource allocation over weight-balanced graph via singular perturbation. *Automatica*, **2018**, 95, 222-228	5.7	30
134	Failure analysis on China power grid based on power law. *Journal of Control Theory and Applications*, **2006**, 4, 235-238		30
133	Distributed Optimization Design of Continuous-Time Multiagent Systems With Unknown-Frequency Disturbances. *IEEE Transactions on Cybernetics*, **2017**, 47, 2058-2066	10.2	28
132	. *IEEE Transactions on Automatic Control*, **2019**, 64, 1858-1873	5.9	28

131	Solvability and control design for synchronization of Boolean networks. *Journal of Systems Science and Complexity*, **2013**, 26, 871-885	1	28
130	Distributed optimisation design with triggers for disturbed continuous-time multi-agent systems. *IET Control Theory and Applications*, **2017**, 11, 282-290	2.5	28
129	Distributed Continuous-Time Algorithms for Nonsmooth Extended Monotropic Optimization Problems. *SIAM Journal on Control and Optimization*, **2018**, 56, 3973-3993	1.9	28
128	Distributed Energy Resource Coordination Over Time-Varying Directed Communication Networks. *IEEE Transactions on Control of Network Systems*, **2019**, 6, 1124-1134	4	26
127	Semi-global output consensus of a group of linear systems in the presence of external disturbances and actuator saturation: An output regulation approach. *International Journal of Robust and Nonlinear Control*, **2016**, 26, 1353-1375	3.6	25
126	Global robust distributed output consensus of multi-agent nonlinear systems: An internal model approach. *Systems and Control Letters*, **2016**, 87, 64-69	2.4	24
125	Finite time convergent control using terminal sliding mode. *Journal of Control Theory and Applications*, **2004**, 2, 69-74		23
124	Distributed resource allocation over random networks based on stochastic approximation. *Systems and Control Letters*, **2018**, 114, 44-51	2.4	21
123	Targeted agreement of multiple Lagrangian systems. *Automatica*, **2017**, 84, 109-116	5.7	21
122	Coverage-Based Interception Algorithm of Multiple Interceptors Against the Target Involving Decoys. *Journal of Guidance, Control, and Dynamics*, **2016**, 39, 1647-1653	2.1	20
121	Potential game design for a class of distributed optimisation problems. *Journal of Control and Decision*, **2014**, 1, 166-179	0.9	19
120	Second-order stochastic fluid models with fluid-dependent flow rates. *Performance Evaluation*, **2002**, 49, 341-358	1.2	19
119	Convergence of random sleep algorithms for optimal consensus. *Systems and Control Letters*, **2013**, 62, 1196-1202	2.4	18
118	Multi-leader set coordination of multi-agent systems with random switching topologies **2010**,		18
117	Controlling hopf bifurcations: Discrete-time systems. *Discrete Dynamics in Nature and Society*, **2000**, 5, 29-33	1.1	18
116	Distributed regression estimation with incomplete data in multi-agent networks. *Science China Information Sciences*, **2018**, 61, 1	3.4	16
115	Stochastic sub-gradient algorithm for distributed optimization with random sleep scheme. *Control Theory and Technology*, **2015**, 13, 333-347	1	16
114	Preventive Maintenance of Multi-State System with Phase-Type Failure Time Distribution and Non-Zero Inspection Time. *International Journal of Reliability, Quality and Safety Engineering*, **2003**, 10, 323-344	0.6	16

113	. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 9448-9457	8.9	15
112	Distributed Algorithm for Robust Resource Allocation with Polyhedral Uncertain Allocation Parameters. *Journal of Systems Science and Complexity*, **2018**, 31, 103-119	1	15
111	Analysis of a class of discrete-time systems with power rule. *Automatica*, **2007**, 43, 562-566	5.7	15
110	Chaotic attractors in striped rectangular shapes generated by a Rössler-like system. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2006**, 348, 195-200	2.3	14
109	Stabilization of synchronous generators with the Hamiltonian function approach. *International Journal of Systems Science*, **2001**, 32, 971-978	2.3	14
108	Adaptive Exact Penalty Design for Constrained Distributed Optimization. *IEEE Transactions on Automatic Control*, **2019**, 64, 4661-4667	5.9	13
107	Chaotic behaviors and toroidal/spherical attractors generated by discontinuous dynamics. *Physica A: Statistical Mechanics and Its Applications*, **2006**, 371, 293-302	3.3	13
106	Periodic solutions in non autonomous predator prey system with delays. *Nonlinear Analysis: Real World Applications*, **2009**, 10, 1589-1600	2.1	12
105	Distributed Continuous-Time Nonsmooth Convex Optimization With Coupled Inequality Constraints. *IEEE Transactions on Control of Network Systems*, **2020**, 7, 74-84	4	12
104	Distributed continuous-time algorithm for a general nonsmooth monotropic optimization problem. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 3252-3266	3.6	11
103	Output Feedback Stabilization and Estimation of the Region of Attraction for Nonlinear Systems: A Vector Control Lyapunov Function Perspective. *IEEE Transactions on Automatic Control*, **2016**, 61, 4034-4040	5.9	11
102	Delay induced oscillation in predator prey system with Beddington DeAngelis functional response. *Applied Mathematics and Computation*, **2007**, 190, 1296-1311	2.7	11
101	Distributed high-gain attitude synchronization using rotation vectors. *Journal of Systems Science and Complexity*, **2015**, 28, 289-304	1	10
100	Adaptive distributed optimization algorithms for Euler Lagrange systems. *Automatica*, **2020**, 119, 109060	5.7	10
99	Quantized feedback stabilization of hybrid impulsive control systems **2009**,		10
98	Predicting economic time series using a nonlinear deterministic technique. *Computational Economics*, **1996**, 9, 149-178	1.4	10
97	Distributed Design for Nuclear Norm Minimization of Linear Matrix Equations With Constraints. *IEEE Transactions on Automatic Control*, **2021**, 66, 745-752	5.9	10
96	Intrinsic reduced attitude formation with ring inter-agent graph. *Automatica*, **2017**, 85, 193-201	5.7	9

95	Distributed output regulation design for multi-agent systems in output-feedback form **2012**,		9
94	Stabilization of impulsive hybrid systems using quantized input and output feedback. *Asian Journal of Control*, **2012**, 14, 679-692	1.7	9
93	Travelling wave fronts in a vector disease model with delay. *Applied Mathematical Modelling*, **2008**, 32, 2831-2838	4.5	9
92	Intermittent Phenomena in Switched Systems With High Coupling Strengths. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2006**, 53, 2692-2704		9
91	Anticontrol of chaos for dynamic systems in p-normal form: A homogeneity-based approach. *Chaos, Solitons and Fractals*, **2005**, 25, 687-697	9.3	9
90	Heterogeneous Hegselmann Krause Dynamics With Environment and Communication Noise. *IEEE Transactions on Automatic Control*, **2020**, 65, 3409-3424	5.9	9
89	Consensus-Based Parallel Extreme Learning Machine for Indoor Localization **2016**,		9
88	Distributed algorithm for generalized Nash equilibria with uncertain coupled constraints. *Automatica*, **2021**, 123, 109313	5.7	9
87	An approximate gradient algorithm for constrained distributed convex optimization. *IEEE/CAA Journal of Automatica Sinica*, **2014**, 1, 61-67	7	8
86	Distributed dynamic control for leaderless multi-agent consensus with star-like topology. *Asian Journal of Control*, **2008**, 10, 233-237	1.7	8
85	Distributed Consensus-Based K-Means Algorithm in Switching Multi-Agent Networks. *Journal of Systems Science and Complexity*, **2018**, 31, 1128-1145	1	7
84	GENERATION AND CONTROL OF SPHERICAL AND CIRCULAR ATTRACTORS USING SWITCHING SCHEMES. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2007**, 17, 243-253	2	7
83	Nonlinear H infinity control and related problems of homogeneous systems. *International Journal of Control*, **1998**, 71, 79-92	1.5	7
82	Semi-global cooperative output regulation of a class of nonlinear uncertain multi-agent systems under switching networks. *International Journal of Robust and Nonlinear Control*, **2017**, 27, 5061-5081	3.6	6
81	. *IEEE Transactions on Automatic Control*, **2017**, 62, 6065-6072	5.9	6
80	Distributed optimal consensus of multiple double integrators under bounded velocity and acceleration. *Control Theory and Technology*, **2019**, 17, 85-98	1	6
79	Set target aggregation of multiple mechanical systems **2014**,		6
78	Set tracking of multi-agent systems with variable topologies guided by moving multiple leaders **2010**,		6

77	Distributed event-triggered tracking control of multi-agent systems with active leader **2012**,		6
76	Control of group of mobile autonomous agents via local strategies. *Journal of Control Theory and Applications*, **2008**, 6, 357-364		6
75	Non-smooth finite-time stabilization for a class of nonlinear systems. *Science in China Series F: Information Sciences*, **2006**, 49, 80-89		6
74	Distributed optimisation design for solving the Stein equation with constraints. *IET Control Theory and Applications*, **2019**, 13, 2492-2499	2.5	6
73	Manifold alignment for heterogeneous single-cell multi-omics data integration using Pamona. *Bioinformatics*, **2021**,	7.2	6
72	Distributed attitude synchronization using backstepping and sliding mode control. *Control Theory and Technology*, **2014**, 12, 48-55	1	5
71	Target aggregation of second-order multi-agent systems with switching interconnection. *Journal of Systems Science and Complexity*, **2012**, 25, 430-440	1	5
70	A result on the cooperative robust output regulation for linear uncertain multi-agent systems **2011**,		5
69	Lyapunov stability and generalized invariance principle for nonconvex differential inclusions. *Control Theory and Technology*, **2016**, 14, 140-150	1	5
68	Distributed adaptive Kalman filter based on variational Bayesian technique. *Control Theory and Technology*, **2019**, 17, 37-47	1	4
67	Quantized Gradient-Descent Algorithm for Distributed Resource Allocation. *Unmanned Systems*, **2019**, 07, 119-136	3	4
66	The phase diagram and the pathway of phase transitions for traffic flow in a circular one-lane roadway. *Physica A: Statistical Mechanics and Its Applications*, **2009**, 388, 1665-1672	3.3	4
65	Decentralized sweep coverage algorithm for uncertain region of multi-agent systems **2012**,		4
64	Generation and control of striped attractors of Rössler systems with feedback. *Chaos, Solitons and Fractals*, **2007**, 34, 693-703	9.3	4
63	Distributed Computation for Solving the Sylvester Equation Based on Optimization **2020**, 4, 414-419		4
62	Distributed sub-optimal resource allocation via a projected form of singular perturbation. *Automatica*, **2020**, 121, 109180	5.7	4
61	Distributed Mirror Descent for Online Composite Optimization. *IEEE Transactions on Automatic Control*, **2021**, 66, 714-729	5.9	4
60	Input-Feedforward-Passivity-Based Distributed Optimization Over Jointly Connected Balanced Digraphs. *IEEE Transactions on Automatic Control*, **2021**, 66, 4117-4131	5.9	4

59	Intrinsic tetrahedron formation of reduced attitude. *Automatica*, **2018**, 87, 375-382	5.7	4
58	Continuous-time distributed algorithms for solving linear algebraic equation **2017**,		3
57	An exact penalty method for constrained distributed optimization **2017**,		3
56	Performance evaluation for damping controllers of power systems based on multi-agent models. *Journal of Systems Science and Complexity*, **2009**, 22, 77-87	1	3
55	Matrix approach to simulation and bisimulation analysis of finite automata **2012**,		3
54	Viscosity solution to nonlinear H∞control. *Science Bulletin*, **1997**, 42, 890-894		3
53	Input-to-state stability of hybrid switched systems with impulsive effects **2008**,		3
52	Nonlinear control of chaotic systems:A switching manifold approach. *Discrete Dynamics in Nature and Society*, **2000**, 4, 257-267	1.1	3
51	Stabilization of minimum phase nonlinear systems by dynamic output feedback. *IEEE Transactions on Automatic Control*, **2000**, 45, 2331-2335	5.9	3
50	An intrinsic approach to formation control of regular polyhedra for reduced attitudes. *Automatica*, **2020**, 111, 108619	5.7	3
49	Distributed Optimization of Nonlinear Multi-Agent Systems: A Small-Gain Approach. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	3
48	Distributed Aggregative Optimization over Multi-Agent Networks. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	3
47	Bifurcation stabilization of nonlinear systems by dynamic output feedback with application to rotating stall control. *Science China Information Sciences*, **2012**, 55, 200-213	3.4	2
46	Cooperative optimal coordination for distributed energy resources **2017**,		2
45	Sweep coverage algorithm and coverage time estimation for multi-agent systems **2012**,		2
44	Distributed attitude synchronization control of multi-agent systems with time-varying topologies **2012**,		2
43	Distributed estimation for moving target under switching interconnection network **2012**,		2
42	Striped attractor generation and synchronization analysis for coupled Rössler systems. *Chaos, Solitons and Fractals*, **2009**, 39, 322-331	9.3	2

#	Title	Factor	Count
41	Set stability and coordination of nonlinear multi-agent systems with switching structure **2008**,		2
40	Finite-time stabilizing excitation control of a synchronous generator. *International Journal of Systems Science*, **2002**, 33, 13-22	2.3	2
39	Distributed optimisation approach to least-squares solution of Sylvester equations. *IET Control Theory and Applications*, **2020**, 14, 2968-2976	2.5	2
38	Distributed Optimization Design for Computation of Algebraic Riccati Inequalities. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	2
37	Distributed online optimization of high-order multi-agent systems **2016**,		2
36	Distributed Optimization of Nonlinear Multi-Agent Systems: A Small-Gain Approach **2019**,		2
35	Input-Feedforward-Passivity-Based Distributed Optimization Over Directed and Switching Topologies **2019**,		2
34	Exponentially Convergent Algorithm Design for Constrained Distributed Optimization via Non-smooth Approach. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	2
33	Nonlinear norm-observability and simulation of control systems. *Systems and Control Letters*, **2017**, 105, 14-19	2.4	1
32	Distributed Variational Equilibrium Seeking of Multi-coalition Game via Variational Inequality Approach. *IFAC-PapersOnLine*, **2017**, 50, 940-945	0.7	1
31	Coordination of nonlinear multi-agent systems with multiple leaders and switching topologies **2010** ,		1
30	Occurrence and underlying mechanism of multi-stripe chaotic attractors. *Chaos, Solitons and Fractals*, **2009**, 41, 2250-2258	9.3	1
29	Decentralized sweep algorithm of multi-agent systems with adaptive workload assignment **2012**,		1
28	Convergence and consensus analysis of multi-choice Deffuant-Weisbuch models **2012**,		1
27	Analysis and circuit realization of intermittency with multiple laminar states. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2008**, 372, 1070-1076	2.3	1
26	Neural identification and control of uncertain nonlinear systems with time delay		1
25	Safety stabilization of switched systems with unstable subsystems. *Control Theory and Technology*, **2022**, 20, 95	1	1
24	Network Flows that Solve Sylvester Matrix Equations. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	1

23	Learning implicit information in Bayesian games with knowledge transfer. *Control Theory and Technology*, **2020**, 18, 315-323	1	1
22	Distributed Stochastic Algorithm for Convex optimization Problem Over Time-varying Directed Graphs **2019**,		1
21	MaxMin Fair Sensor Scheduling: Game-Theoretic Perspective and Algorithmic Solution. *IEEE Transactions on Automatic Control*, **2021**, 66, 2379-2385	5.9	1
20	Distributed Optimization Design of Iterative Refinement Technique for Algebraic Riccati Equations. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-15	7.3	1
19	Single-Leader-Multiple-Followers Stackelberg Security Game With Hypergame Framework. *IEEE Transactions on Information Forensics and Security*, **2022**, 17, 954-969	8	1
18	Distributed Optimization Approach for Solving Continuous-Time Lyapunov Equations With Exponential Rate of Convergence. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2022**, 52, 1684-1691	7.3	1
17	Small-gain theorem for safety verification of interconnected systems. *Automatica*, **2022**, 139, 110178	5.7	0
16	Signed Social Networks with Biased Assimilation. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	0
15	Design of tracking observers for locally jointly observable systems. *Control Theory and Technology*, **2020**, 18, 390-398	1	0
14	Distributed consensus-based solver for semi-definite programming: An optimization viewpoint. *Automatica*, **2021**, 131, 109737	5.7	0
13	Achieving consensus in multilateral international negotiations: The case study of the 2015 Paris Agreement on climate change.. *Science Advances*, **2021**, 7, eabg8068	14.3	0
12	A Survey of ADAS Perceptions With Development in China. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-16	6.1	0
11	Efficient Algorithm for Approximating Nash Equilibrium of Distributed Aggregative Games. *IEEE Transactions on Cybernetics*, **2022**, 1-13	10.2	0
10	Stability Criterion for Nonsmooth Systems and Nash Equilibrium Seeking via Projected Gradient Dynamics * *This work was supported by Beijing Natural Science Foundation (4152057), NSFC (61333001), Program 973 (2014CB845301/2/3), and the China Postdoctoral Science Foundation (No.2016M591272).. *IFAC-PapersOnLine*, **2017**, 50, 6134-6139	0.7	
9	Distributed control design for leader escort of multi-agent systems. *International Journal of Control* , **2014**, 1-11	1.5	
8	Distributed solver for linear matrix inequalities: an optimization perspective. *Control Theory and Technology*, **2021**, 19, 507	1	
7	Continuous Finite-Time Control. *World Scientific Series on Nonlinear Science, Series A*, **2001**, 52-87	3.3	
6	Distributed Solving Sylvester equations with an explicit exponential Convergence. *IFAC-PapersOnLine*, **2020**, 53, 3260-3265	0.7	

List of Publications

5	A novel opinion model for complex macro-behaviors of mass opinion. *Science China Information Sciences*, **2021**, 64, 1	3.4
4	A linearly convergent distributed Nash equilibrium seeking algorithm for aggregative games. *IEEE Transactions on Automatic Control*, **2022**, 1-1	5.9
3	Misperception influence on zero-determinant strategies in iterated Prisoner's Dilemma.. *Scientific Reports*, **2022**, 12, 5174	4.9
2	Exponentially convergent distributed Nash equilibrium seeking for constrained aggregative games. *Autonomous Intelligent Systems*, **2022**, 2, 1	
1	Distributed Design for Nuclear Norm Minimization of Linear Matrix Equation with Constraints. *IEEE Transactions on Automatic Control*, **2020**, 1-1	5.9