

Wei Ren

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.

274 papers	28,456 citations	75 h-index	167 g-index
297 ext. papers	35,865 ext. citations	4.4 avg, IF	8.03 L-index

#	Paper	IF	Citations
274	Distributed Time-Varying Quadratic Optimal Resource Allocation Subject to Nonidentical Time-Varying Hessians With Application to Multiquadrotor Hose Transportation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-11	7.3	0
273	Distributed and communication-efficient solutions to linear equations with special sparse structure. <i>Systems and Control Letters</i> , 2022 , 160, 105065	2.4	
272	Differentially Private Consensus With Quantized Communication. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4075-4088	10.2	6
271	Containment Problem for Multiagent Systems With Nonconvex Velocity Constraints. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4716-4721	10.2	5
270	A scaling-function approach for distributed constrained optimization in unbalanced multi-agent networks. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	
269	Multi-Agent Control: A Graph-Theoretic Perspective. <i>Journal of Systems Science and Complexity</i> , 2021 , 34, 1973-2002	1	1
268	Continuous-time distributed Nash equilibrium seeking algorithms for non-cooperative constrained games. <i>Automatica</i> , 2021 , 127, 109535	5.7	7
267	Robust Distributed Average Tracking for Double-Integrator Agents Without Velocity Measurements Under Event-Triggered Communication. <i>IEEE Transactions on Control of Network Systems</i> , 2021 , 8, 828-837	4	1
266	Generalized Nash Equilibrium Seeking via Continuous-Time Coordination Dynamics Over Digraphs. <i>IEEE Transactions on Control of Network Systems</i> , 2021 , 8, 1023-1033	4	3
265	Distributed Resource Allocation Over Directed Graphs via Continuous-Time Algorithms. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 1097-1106	7.3	29
264	Distributed Adaptive Finite-Time Consensus for Second-Order Multiagent Systems With Mismatched Disturbances Under Directed Networks. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1347-1358	10.2	20
263	Distributed economic dispatch via a predictive scheme: Heterogeneous delays and privacy preservation. <i>Automatica</i> , 2021 , 123, 109356	5.7	7
262	Fully Distributed Joint Localization and Target Tracking With Mobile Robot Networks. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 29, 1519-1532	4.8	4
261	Observer-Based Distributed Mean-Square Consensus Design for Leader-Following Multiagent Markov Jump Systems. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3054-3061	10.2	5
260	Adaptive Image-Space Regulation for Robotic Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 29, 850-857	4.8	2
259	Finite-Horizon H Fault-Tolerant Constrained Consensus for Multiagent Systems With Communication Delays. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 416-426	10.2	11
258	Design of Distributed Event-Triggered Average Tracking Algorithms for Homogeneous and Heterogeneous Multi-Agent Systems. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	15

257	Cooperative Adaptive Containment Control With Parameter Convergence via Cooperative Finite-Time Excitation. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	5
256	A Unified Framework for Adaptive Leaderless Consensus of Uncertain Multi-agent Systems under Directed Graphs. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	4
255	Angle-Based Analysis Approach for Distributed Constrained Optimization. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	0
254	Distributed Nonlinear Placement for Multicluster Systems: A Time-Varying Nash Equilibrium-Seeking Approach. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	2
253	Distributed Average Tracking in Weight-Unbalanced Directed Networks. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 4436-4443	5.9	4
252	Fully distributed consensus control for a class of disturbed second-order multi-agent systems with directed networks. <i>Automatica</i> , 2021 , 132, 109816	5.7	4
251	Distributed Time-Varying Optimization With State-Dependent Gains: Algorithms and Experiments. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 1-10	4.8	0
250	Cooperative Startup Control for Heterogeneous Vehicle Platoons: A Finite-time Output Tracking-based Approach. <i>IEEE Transactions on Control of Network Systems</i> , 2021 , 1-1	4	4
249	Distributed Average Tracking in Multi-agent Systems 2020 ,		5
248	Practical output synchronization for asynchronously switched multi-agent systems with adaption to fast-switching perturbations. <i>Automatica</i> , 2020 , 116, 108917	5.7	25
247	Distributed Average Tracking for Double-Integrator Dynamics 2020 , 79-124		
246	Distributed Average Tracking with Input Saturation 2020 , 157-175		
245	Distributed Average Tracking for General Linear Dynamics 2020 , 125-134		
244	Distributed Average Tracking for Networked Euler-Lagrange Systems 2020 , 135-156		
243	Distributed Average Tracking in Distributed Convex Optimization 2020 , 193-231		
242	Distributed Average Tracking via an Extended PI Scheme 2020 , 61-75		
241	Distributed Average Tracking in Formation Control 2020 , 179-191		
240	Robust Event-triggered Distributed Average Tracking for Double-integrator Agents Without Velocity Measurements 2020 ,		1

239	Distributed Continuous-Time Optimization with Time-Varying Objective Functions and Inequality Constraints 2020 ,		3
238	Distributed Average Tracking via Nonsmooth Feedback 2020 , 39-60		
237	Dynamic Modularity Approach to Adaptive Control of Robotic Systems With Closed Architecture. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 2760-2767	5.9	5
236	Cooperation of Multiple Connected Vehicles at Unsignalized Intersections: Distributed Observation, Optimization, and Control. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 10744-10754	8.9	40
235	Sign projected gradient flow: A continuous-time approach to convex optimization with linear equality constraints. <i>Automatica</i> , 2020 , 120, 109156	5.7	13
234	Distributed Continuous-Time Algorithms for Optimal Resource Allocation With Time-Varying Quadratic Cost Functions. <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 1974-1984	4	2
233	Edge-Based Finite-Time Protocol Analysis With Final Consensus Value and Settling Time Estimations. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1450-1459	10.2	33
232	Distributed Time-Varying Convex Optimization for a Class of Nonlinear Multiagent Systems. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 801-808	5.9	19
231	Finite-Time Consensus for Linear Multiagent Systems via Event-Triggered Strategy Without Continuous Communication. <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 19-29	4	41
230	Sampled-data containment control for double-integrator agents with dynamic leaders with nonzero inputs. <i>Systems and Control Letters</i> , 2020 , 139, 104673	2.4	4
229	Advances in Network Controllability. <i>IEEE Circuits and Systems Magazine</i> , 2019 , 19, 8-32	3.2	42
228	Distributed Continuous-Time and Discrete-Time Optimization With Nonuniform Unbounded Convex Constraint Sets and Nonuniform Stepsizes. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 5148-5155	5.9	37
227	Distributed Energy Resource Coordination Over Time-Varying Directed Communication Networks. <i>IEEE Transactions on Control of Network Systems</i> , 2019 , 6, 1124-1134	4	26
226	Solving a system of linear equations: From centralized to distributed algorithms. <i>Annual Reviews in Control</i> , 2019 , 47, 306-322	10.3	20
225	Reducing time headway for platooning of connected vehicles via V2V communication. <i>Transportation Research Part C: Emerging Technologies</i> , 2019 , 102, 87-105	8.4	74
224	Distributed Average Tracking of Physical Second-Order Agents With Heterogeneous Unknown Nonlinear Dynamics Without Constraint on Input Signals. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 1178-1184	5.9	22
223	Continuous-Time Distributed Subgradient Algorithm for Convex Optimization With General Constraints. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 1694-1701	5.9	47
222	Unscented-Transformation-Based Distributed Nonlinear State Estimation: Algorithm, Analysis, and Experiments. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 2016-2029	4.8	15

221	On the Control of Multi-Agent Systems: A Survey. <i>Foundations and Trends in Systems and Control</i> , 2019 , 6, 339-499	4	33
220	Distributed containment control for first-order and second-order multiagent systems with arbitrarily bounded delays. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 6657-6657	3.6	
219	Distributed Nash Equilibrium Seeking Algorithms for Two-Layer Constrained Non-Cooperative Games 2019 ,		2
218	2019 ,		4
217	Distributed Average Tracking over Weight-Unbalanced Directed Graphs 2019 ,		3
216	Some Necessary and Sufficient Conditions for Synchronization of Second-Order Interconnected Networks. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 4379-4387	10.2	7
215	Containment Control for Discrete-Time Multiagent Systems With Communication Delays and Switching Topologies. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 3827-3830	10.2	27
214	Continuous-Time Coordination Algorithm for Distributed Convex Optimization Over Weight-Unbalanced Directed Networks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 1202-1206	3.5	32
213	Distributed Containment Control of Continuous-Time Multiagent Systems With Nonconvex Control Input Constraints. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 7927-7934	8.9	21
212	Distributed containment control for first-order and second-order multiagent systems with arbitrarily bounded delays. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 1122-1131	3.6	13
211	Distributed Optimization With Nonconvex Velocity Constraints, Nonuniform Position Constraints, and Nonuniform Stepsizes. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 2575-2582	5.9	49
210	Designing Distributed Specified-Time Consensus Protocols for Linear Multiagent Systems Over Directed Graphs. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 2945-2952	5.9	99
209	Differentially Private Consensus With an Event-Triggered Mechanism. <i>IEEE Transactions on Control of Network Systems</i> , 2019 , 6, 60-71	4	24
208	Distributed Algorithm to Solve a System of Linear Equations With Unique or Multiple Solutions From Arbitrary Initializations. <i>IEEE Transactions on Control of Network Systems</i> , 2019 , 6, 82-93	4	16
207	Multiagent Rendezvous With Shortest Distance to Convex Regions With Empty Intersection: Algorithms and Experiments. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1026-1034	10.2	9
206	Passive Separation Approach to Adaptive Visual Tracking for Robotic Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 2232-2241	4.8	16
205	Distributed Coverage Control of Mobile Sensor Networks in Unknown Environment Using Game Theory: Algorithms and Experiments. <i>IEEE Transactions on Mobile Computing</i> , 2018 , 17, 1303-1313	4.6	15
204	Appointed-time consensus: Accurate and practical designs. <i>Automatica</i> , 2018 , 89, 425-429	5.7	93

203	Distributed Coordination of Multiple Unknown Euler-Lagrange Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 55-66	4	42
202	. <i>IEEE Systems Journal</i> , 2018 , 12, 2428-2436	4.3	13
201	Distributed Kalman-Bucy Filter With Embedded Dynamic Averaging Algorithm. <i>IEEE Systems Journal</i> , 2018 , 12, 1722-1730	4.3	16
200	Observer-Based Consensus for Multiagent Systems Under Stochastic Sampling Mechanism. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 2328-2338	7.3	23
199	A Connection Between Dynamic Region-Following Formation Control and Distributed Average Tracking. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 1760-1772	10.2	38
198	Consensus of multi-agent systems with fixed inner connections. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 154-173	3.6	19
197	. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 1300-1316	4.8	47
196	Robustness Analysis of Asynchronous Sampled-Data Multiagent Networks With Time-Varying Delays. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 2145-2152	5.9	55
195	Synchronization of Coupled Dynamical Systems: Tolerance to Weak Connectivity and Arbitrarily Bounded Time-Varying Delays. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 1791-1797	5.9	29
194	Distributed Adaptive Finite-Time Approach for Formation-Containment Control of Networked Nonlinear Systems Under Directed Topology. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 3164-3175	10.3	23
193	H ₂ Output Consensus for Markov Jump Multiagent Systems With Uncertainties. <i>IEEE Transactions on Cybernetics</i> , 2018 ,	10.2	25
192	Distributed Subgradient-Based Multiagent Optimization With More General Step Sizes. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 2295-2302	5.9	20
191	. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 1841-1851	4	11
190	Distributed Consensus of Second-Order Multiagent Systems With Nonconvex Velocity and Control Input Constraints. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 1171-1176	5.9	69
189	Platooning of Connected Vehicles With Undirected Topologies: Robustness Analysis and Distributed H-infinity Controller Synthesis. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 1353-1364	6.1	79
188	Convex Optimization via Finite-Time Projected Gradient Flows 2018 ,		1
187	Communication-efficient Distributed Solutions to a System of Linear Equations with Laplacian Sparse Structure 2018 ,		2
186	Distributed rotating consensus of second-order multi-agent systems with nonuniform delays. <i>Systems and Control Letters</i> , 2018 , 117, 18-22	2.4	15

185	Distributed average tracking for double-integrator multi-agent systems with reduced requirement on velocity measurements. <i>Automatica</i> , 2017 , 81, 1-7	5.7	30
184	Distributed Velocity-Constrained Consensus of Discrete-Time Multi-Agent Systems With Nonconvex Constraints, Switching Topologies, and Delays. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 5788-5794	5.9	100
183	Multi-leader multi-follower coordination with cohesion, dispersion, and containment control via proximity graphs. <i>Science China Information Sciences</i> , 2017 , 60, 1	3.4	14
182	A fixed time distributed optimization: A sliding mode perspective 2017 ,		11
181	Distributed solution to linear equations from arbitrary initializations 2017 ,		4
180	Heterogeneous distributed average tracking using nonsmooth algorithms 2017 ,		9
179	Fully distributed nonlinear state estimation using sensor networks 2017 ,		1
178	Necessary and Sufficient Conditions for Consensus of Second-Order Multiagent Systems Under Directed Topologies Without Global Gain Dependency. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 2089-2098	10.2	50
177	Distributed Continuous-Time Convex Optimization With Time-Varying Cost Functions. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 1590-1605	5.9	110
176	Distributed Continuous-Time Optimization: Nonuniform Gradient Gains, Finite-Time Convergence, and Convex Constraint Set. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 2239-2253	5.9	168
175	Cooperative optimal coordination for distributed energy resources 2017 ,		2
174	Distributed H _∞ -constrained consensus problem. <i>Systems and Control Letters</i> , 2017 , 104, 45-48	2.4	28
173	Finite-Time Connectivity-Preserving Consensus of Networked Nonlinear Agents With Unknown Lipschitz Terms. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 1700-1705	5.9	56
172	Distributed Consensus of Second-Order Multi-Agent Systems With Heterogeneous Unknown Inertias and Control Gains Under a Directed Graph. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 2019-2034	5.9	194
171	Properties of Composite Laplacian Quadratics and Their Applications in Consensus of Linear Differential Inclusions. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 2269-2275	5.9	10
170	Distributed Consensus in Networks 2016 , 1-15		6
169	Synchronization of Coupled Nonlinear Dynamical Systems: Interplay Between Times of Connectivity and Integral of Lipschitz Gain. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2016 , 63, 391-395	3.5	5
168	Distributed multi-agent optimization subject to nonidentical constraints and communication delays. <i>Automatica</i> , 2016 , 65, 120-131	5.7	130

167	Event-triggered zero-gradient-sum distributed consensus optimization over directed networks. <i>Automatica</i> , 2016 , 65, 90-97	5.7	110
166	Decentralized event-triggered consensus for linear multi-agent systems under general directed graphs. <i>Automatica</i> , 2016 , 69, 242-249	5.7	262
165	Containment Control of Multiagent Systems With Dynamic Leaders Based on a π^n -Type Approach. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 3004-3017	10.2	106
164	Cooperative control of linear multi-agent systems via distributed output regulation and transient synchronization. <i>Automatica</i> , 2016 , 68, 132-139	5.7	64
163	Fully distributed flocking with a moving leader for Lagrange networks with parametric uncertainties. <i>Automatica</i> , 2016 , 67, 67-76	5.7	98
162	On Convergence Rate of Leader-Following Consensus of Linear Multi-Agent Systems With Communication Noises. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3586-3592	5.9	85
161	Distributed minimum weighted norm solution to linear equations associated with weighted inner product 2016 ,		5
160	Controllability and observability of an n-link planar robot with active joints 2016 ,		2
159	Distributed average tracking for second-order agents with nonlinear dynamics 2016 ,		9
158	Fully distributed state estimation with multiple model approach 2016 ,		5
157	On the convergence of distributed estimation of LTV dynamic system with switching directed topologies and time-varying sensing models 2016 ,		6
156	Dynamic modularity approach to adaptive inner/outer loop control of robotic systems 2016 ,		3
155	Leader-follower consensus of linear multi-agent systems with unknown external disturbances. <i>Systems and Control Letters</i> , 2015 , 82, 64-70	2.4	101
154	Containment control of linear multi-agent systems with multiple leaders of bounded inputs using distributed continuous controllers. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 2101-2121	3.6	103
153	Distributed Containment Control for Multiple Unknown Second-Order Nonlinear Systems With Application to Networked Lagrangian Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 1885-99	10.3	98
152	Seeking Consensus in Networks of Linear Agents: Communication Noises and Markovian Switching Topologies. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 1374-1379	5.9	104
151	Designing Fully Distributed Consensus Protocols for Linear Multi-Agent Systems With Directed Graphs. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 1152-1157	5.9	509
150	Distributed Average Tracking of Networked Euler-Lagrange Systems. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 547-552	5.9	70

149	Distributed average tracking for double-integrator agents without using velocity measurements 2015,		10
148	Distributed convex optimization of time-varying cost functions for double-integrator systems using nonsmooth algorithms 2015,		10
147	Distributed convex optimization of time-varying cost functions with swarm tracking behavior for continuous-time dynamics 2015,		7
146	On the consistency and confidence of distributed dynamic state estimation in wireless sensor networks 2015,		15
145	Distributed parameter estimation under unreliable directed networks 2015,		2
144	Consensus of linear differential inclusions via composite Laplacian quadratics 2015,		3
143	Distributed Average Tracking for Reference Signals With Bounded Accelerations. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 863-869	5.9	52
142	Adaptive Consensus of Multi-Agent Systems With Unknown Identical Control Directions Based on A Novel Nussbaum-Type Function. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 1887-1892	5.9	223
141	Finite-time consensus for multi-agent networks with unknown inherent nonlinear dynamics. <i>Automatica</i> , 2014 , 50, 2648-2656	5.7	126
140	Flocking with a moving leader for multiple uncertain lagrange systems 2014,		6
139	Distributed optimization with the consideration of adaptivity and finite-time convergence 2014,		16
138	An extended proportional-integral control algorithm for distributed average tracking and its applications in Euler-Lagrange systems 2014,		7
137	Consensus of second-order heterogeneous multi-agent systems under a directed graph 2014,		22
136	Constrained Consensus in Unbalanced Networks With Communication Delays. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 775-781	5.9	121
135	Fully distributed adaptive sliding-mode controller design for containment control of multiple Lagrangian systems. <i>Systems and Control Letters</i> , 2014 , 72, 44-52	2.4	33
134	Game theory control solution for sensor coverage problem in unknown environment 2014,		7
133	Consensus of linear multi-agent systems with fully distributed control gains under a general directed graph 2014,		10
132	Decentralized consensus for linear multi-agent systems under general directed graphs based on event-triggered/self-triggered strategy 2014,		16

131	Distributed consensus of multi-agent systems with general linear node dynamics and intermittent communications. <i>International Journal of Robust and Nonlinear Control</i> , 2014 , 24, 2438-2457	3.6	168
130	Distributed containment control of multi-agent systems with general linear dynamics in the presence of multiple leaders. <i>International Journal of Robust and Nonlinear Control</i> , 2013 , 23, 534-547	3.6	332
129	Robust cooperative tracking for multiple non-identical second-order nonlinear systems. <i>Automatica</i> , 2013 , 49, 2363-2372	5.7	110
128	Distributed adaptive coordination for multiple Lagrangian systems under a directed graph without using neighbors' velocity information. <i>Automatica</i> , 2013 , 49, 1723-1731	5.7	124
127	Consensus for multi-agent systems with inherent nonlinear dynamics under directed topologies. <i>Systems and Control Letters</i> , 2013 , 62, 152-162	2.4	114
126	Consensus of Multi-Agent Systems With General Linear and Lipschitz Nonlinear Dynamics Using Distributed Adaptive Protocols. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 1786-1791	5.9	487
125	An Overview of Recent Progress in the Study of Distributed Multi-Agent Coordination. <i>IEEE Transactions on Industrial Informatics</i> , 2013 , 9, 427-438	11.9	1279
124	Distributed Tracking Control for Linear Multiagent Systems With a Leader of Bounded Unknown Input. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 518-523	5.9	319
123	Distributed coordination for second-order multi-agent systems with nonlinear dynamics using only relative position measurements. <i>Automatica</i> , 2013 , 49, 1419-1427	5.7	146
122	Delay-Induced Consensus and Quasi-Consensus in Multi-Agent Dynamical Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013 , 60, 2679-2687	3.9	84
121	Distributed control gains design for consensus in multi-agent systems with second-order nonlinear dynamics. <i>Automatica</i> , 2013 , 49, 2107-2115	5.7	274
120	Distributed consensus of linear multi-agent systems with adaptive dynamic protocols. <i>Automatica</i> , 2013 , 49, 1986-1995	5.7	386
119	Tracking the average of time-varying nonsmooth signals for double-integrator agents with a fixed topology 2013 ,		1
118	Containment control for networked unknown Lagrangian systems with multiple dynamic leaders under a directed graph 2013 ,		1
117	Distributed containment control for Lagrangian networks with parametric uncertainties under a directed graph. <i>Automatica</i> , 2012 , 48, 653-659	5.7	389
116	LeaderFollower swarm tracking for networked Lagrange systems. <i>Systems and Control Letters</i> , 2012 , 61, 117-126	2.4	88
115	Distributed discrete-time coordinated tracking with Markovian switching topologies. <i>Systems and Control Letters</i> , 2012 , 61, 766-772	2.4	44
114	Distributed Average Tracking of Multiple Time-Varying Reference Signals With Bounded Derivatives. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 3169-3174	5.9	137

113	Distributed Coordinated Tracking With Reduced Interaction via a Variable Structure Approach. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 33-48	5.9	344
112	Distributed Containment Control with Multiple Dynamic Leaders for Double-Integrator Dynamics Using Only Position Measurements. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 1553-1559	5.9	203
111	Distributed constrained consensus in the presence of unbalanced switching graphs and communication delays 2012 ,		7
110	Cooperative control of nonlinear multi-agent systems with only relative position measurements 2012 ,		1
109	Distributed containment control with multiple stationary or dynamic leaders in fixed and switching directed networks. <i>Automatica</i> , 2012 , 48, 1586-1597	5.7	353
108	On the design and development of attitude stabilization, vision-based navigation, and aerial gripping for a low-cost quadrotor. <i>Autonomous Robots</i> , 2012 , 33, 41-68	3	38
107	Distributed shortest distance consensus problem in multi-agent systems 2012 ,		5
106	Distributed subgradient projection algorithm for multi-agent optimization with nonidentical constraints and switching topologies 2012 ,		10
105	Distributed Coordination of Multi-agent Networks. <i>Communications and Control Engineering</i> , 2011 ,	0.6	409
104	Distributed Coordinated Tracking With a Dynamic Leader for Multiple Euler-Lagrange Systems. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 1415-1421	5.9	291
103	Distributed Higher Order Consensus Protocols in Multiagent Dynamical Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2011 , 58, 1924-1932	3.9	210
102	Leaderless and leader-following consensus with communication and input delays under a directed network topology. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 75-88		288
101	Distributed Containment Control for Multiple Autonomous Vehicles With Double-Integrator Dynamics: Algorithms and Experiments. <i>IEEE Transactions on Control Systems Technology</i> , 2011 , 19, 929-938	4.8	339
100	Second-order consensus in multi-agent dynamical systems with sampled position data. <i>Automatica</i> , 2011 , 47, 1496-1503	5.7	348
99	Collective rotating motions of second-order multi-agent systems in three-dimensional space. <i>Systems and Control Letters</i> , 2011 , 60, 365-372	2.4	47
98	Consensus of linear multi-agent systems with reduced-order observer-based protocols. <i>Systems and Control Letters</i> , 2011 , 60, 510-516	2.4	156
97	2011 ,		2
96	Distributed multi-agent coordination: A comparison lemma based approach 2011 ,		1

95	Finite-time consensus for second-order multi-agent networks with inherent nonlinear dynamics under an undirected fixed graph 2011 ,		17
94	Distributed containment control of linear multi-agent systems with multiple leaders and reduced-order controllers 2011 ,		5
93	Autonomous indoor aerial gripping using a quadrotor 2011 ,		20
92	Distributed discrete-time coupled harmonic oscillators with application to synchronised motion coordination. <i>IET Control Theory and Applications</i> , 2010 , 4, 806-816	2.5	56
91	Distributed coordinated tracking via a variable structure approach - part II: Swarm tracking 2010 ,		1
90	Distributed finite-time containment control for multiple Lagrangian systems 2010 ,		2
89	Multi-agent coordination with cohesion, dispersion, and containment control 2010 ,		2
88	Stability and convergence analysis of multi-agent consensus with information reuse. <i>International Journal of Control</i> , 2010 , 83, 1081-1092	1.5	21
87	Distributed Cooperative Attitude Synchronization and Tracking for Multiple Rigid Bodies. <i>IEEE Transactions on Control Systems Technology</i> , 2010 , 18, 383-392	4.8	247
86	Distributed coordinated tracking for multiple Euler-Lagrange systems 2010 ,		9
85	Decentralised cooperative attitude tracking using modified Rodriguez parameters based on relative attitude information. <i>International Journal of Control</i> , 2010 , 83, 2427-2439	1.5	45
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