

# CITATION REPORT

List of articles citing

## Recent Research in Cooperative Control of Multivehicle Systems

DOI: 10.1115/1.2766721

Journal of Dynamic Systems, Measurement and  
Control, Transactions of the ASME, 2007, 129, 571-583.

**Source:** <https://exaly.com/paper-pdf/41462735/citation-report.pdf>

**Version:** 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
716	Cooperative UAV Tracking Under Urban Occlusions and Airspace Limitations. <b>2008,</b>		7
715	Formation Control and Collision Avoidance for Multi-agent Non-holonomic Systems: Theory and Experiments. <b>2008,</b> 27, 107-126		269
714	Formation control over delayed communication networks. <b>2008,</b>		7
713	Control design for unmanned aerial vehicle swarming. <b>2008,</b> 222, 549-567		6
712	A model-predictive approach to formation control of omnidirectional mobile robots. <b>2008,</b>		12
711	On synchronization and collision avoidance for mechanical systems. <b>2008,</b>		32
710	Group health management of UAV teams with applications to persistent surveillance. <b>2008,</b>		38
709	Consensus control of observer-based multi-agent system with Communication Delay. <b>2008,</b>		16
708	Cooperative path planning for a class of carrier-vehicle systems.. <b>2008,</b>		6
707	On visibility maintenance via controlled invariance for leader-follower Dubins-like vehicles. <b>2008,</b>		3
706	Distributed model predictive control for coordinated path following control of omnidirectional mobile robots. <b>2008,</b>		7
705	Consensus on scale-free network. <b>2008,</b>		4
704	Observer-based consensus control strategy for multi-agent system with communication time delay. <b>2008,</b>		21
703	Optimal flocking control for a mobile sensor network based a moving target tracking. <b>2009,</b>		12
702	Path planning for multiple marine vehicles. <b>2009,</b>		5
701	Leader-following formation control based on pursuit strategies. <b>2009,</b>		0
700	Consensus in hierarchical multi-agent dynamical systems with low-rank interconnections: Analysis of stability and convergence rates. <b>2009,</b>		21

699	Cluster space collision avoidance for mobile two-robot systems. <b>2009,</b>		12
698	Decentralized adaptive control of a class of discrete-time multi-agent systems for hidden leader following problem. <b>2009,</b>		10
697	Voronoi-based coverage optimization for mobile networks with limited sensing range - A directional search approach. <b>2009,</b>		16
696	Decentralized cooperative control for multivehicle formation without velocity measurement. <b>2009,</b>		3
695	Formations on two-layer pursuit systems. <b>2009,</b>		
694	A model predictive controller for robots to follow a virtual leader. <b>2009, 27, 905-913</b>		22
693	Trajectory Planning and Coordinated Control of Robotic Systems. <b>2009,</b>		
692	Distributed Autonomous Robotic Systems 8. <b>2009,</b>		1
691	Optimalsteuerung kooperierender Mehrfahrzeugsysteme Optimal Control of Cooperative Multi-Vehicle Systems. <b>2009, 57, 296-305</b>		3
690	Safe and Distributed Kinodynamic Replanning for Vehicular Networks. <b>2009, 14, 292-308</b>		20
689	Semiautonomous control of multiple networked Lagrangian systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2009, 19, 2040-2055</b>	3.6	47
688	Region-based shape control for a swarm of robots. <b>2009, 45, 2406-2411</b>		238
687	Bio-Inspired Adaptive Cooperative Control of Heterogeneous Robotic Networks. <b>2009,</b>		2
686	A hamilton-jacobi formulation for cooperative control of multi-agent systems. <b>2009,</b>		7
685	Specification and Planning of Interactive UAV Missions in Adversarial Environments. <b>2009,</b>		3
684	Distributed Formation Flight Control Using Constraint Forces. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2009, 32, 112-120</b>	2.1	23
683	Using robot mobility to exploit multipath fading. <b>2009, 16, 30-37</b>		39
682	Control and navigation of formations of car-like robots on a receding horizon. <b>2009,</b>		15

681	Cooperative control and potential games. <b>2009</b> , 39, 1393-407		284
680	Coordinated Path-Following in the Presence of Communication Losses and Time Delays. <b>2009</b> , 48, 234-265		128
679	A New Definition of Formation With an Algorithm. <b>2009</b> , 42, 532-536		
678	A Distributed Coordination Model for Multi-Robot Box Pushing. <b>2010</b> , 43, 120-125		
677	Solution of a Multi-Agent Transport Problem by Hybrid Optimization. <b>2010</b> , 43, 432-437		
676	Formation Coordination with Connectivity Preservation in Presence of Obstacles. <b>2010</b> , 43, 28-33		0
675	Planning Algorithms for a Class of Heterogeneous Multi-Vehicle Systems. *. <b>2010</b> , 43, 969-974		2
674	Distributed Role Assignment in Multi-Robot Formation. <b>2010</b> , 43, 103-108		1
673	A Robust Approach for Nonlinear UAV Task Assignment Problem under Uncertainty. <b>2010</b> , 147-159		4
672	Coordination and collision avoidance for Lagrangian systems with disturbances. <b>2010</b> , 217, 1085-1094		35
671	Stabilization of sets with application to multi-vehicle coordinated motion. <b>2010</b> , 46, 1419-1427		11
670	Rendezvous of multiple mobile agents with preserved network connectivity. <b>2010</b> , 59, 313-322		181
669	Multi-vehicle coordination for double-integrator dynamics under fixed undirected/directed interaction in a sampled-data setting. <i>International Journal of Robust and Nonlinear Control</i> , <b>2010</b> , 20, 987-1000	3.6	181
668	Cooperative control of multiple surface vessels in the presence of ocean currents and parametric model uncertainty. <i>International Journal of Robust and Nonlinear Control</i> , <b>2010</b> , 20, 1549-1565	3.6	75
667	. <b>2010</b> ,		34
666	Consensus problems in multi-agent systems with double integrator model. <b>2010</b> , 19, 050520		10
665	Bisection Algorithm of Increasing Algebraic Connectivity by Adding an Edge. <b>2010</b> , 55, 170-174		34
664	Visual feedback attitude synchronization in leader-follower type visibility structures. <b>2010</b> ,		11

663	Robotic reactions: delay-induced patterns in autonomous vehicle systems. <b>2010</b> , 81, 025204	26
662	Decentralized grid-based algorithms for formation reconfiguration and synchronization. <b>2010</b> ,	2
661	Maintaining connectivity among multiple agents in cyclic pursuit: A geometric approach. <b>2010</b> ,	8
660	Eigenvector-based characterization for hierarchical multi-agent dynamical systems with low rank interconnection. <b>2010</b> ,	4
659	Non-rigid formations of nonholonomic robots. <b>2010</b> ,	1
658	Local graph-based distributed control for safe highway platooning. <b>2010</b> ,	8
657	Robust Region-Tracking for Multi-Agent Systems Using Sliding Mode Control. <b>2010</b> ,	1
656	Consensus problem of multiagents with switching networks in state space. <b>2010</b> ,	
655	Introduction. <b>2010</b> , 1-27	1
654	Leader-following consensus of multi-agent systems with and without time-delay. <b>2010</b> ,	
653	Cooperative mission planning for a class of carrier-vehicle systems. <b>2010</b> ,	7
652	Sampled-data discrete-time coordination algorithms for double-integrator dynamics under dynamic directed interaction. <b>2010</b> , 83, 506-515	110
651	A guaranteed cost control for autonomous vehicle platoon with communication constraints. <b>2010</b> ,	1
650	The $L_2$ - $L_{\infty}$ Control for Leader-following Coordination with Switching Topology. <b>2010</b> ,	
649	Guidance based collision avoidance of coordinated nonholonomic autonomous vehicles. <b>2010</b> ,	3
648	Cluster space control of aerial robots. <b>2010</b> ,	9
647	Isogonic Formation with Connectivity Preservation for a Team of Holonomic Robots in a Cluttered Environment. <b>2010</b> ,	1
646	Experiments on formation switching for mobile robots. <b>2010</b> ,	

645	Bilateral Teleoperation of Multiple Mobile Agents: Coordinated Motion and Collision Avoidance. <b>2010</b> , 18, 984-992	97
644	Cooperative control of multi-agent dynamical systems in target-enclosing operations using cyclic pursuit strategy. <b>2010</b> , 83, 2040-2052	39
643	Coverage of a Planar Point Set With Multiple Robots Subject to Geometric Constraints. <b>2010</b> , 7, 111-122	15
642	Potential game theoretic attitude coordination on the circle: Synchronization and balanced circular formation. <b>2010</b> ,	7
641	Collision-free intersection crossing of mobile robots using decentralized navigation functions on predefined paths. <b>2011</b> ,	9
640	Cooperative rate control in ATM networks. <b>2011</b> ,	2
639	Bioinspired neural network for real-time cooperative hunting by multirobots in unknown environments. <b>2011</b> , 22, 2062-77	68
638	Cooperative actuator fault accommodation in formation flight of unmanned vehicles using relative measurements. <b>2011</b> , 84, 876-894	32
637	Neural network based extended Kalman filter for localization of mobile robots. <b>2011</b> ,	1
636	A passivity-based decentralized approach for the bilateral teleoperation of a group of UAVs with switching topology. <b>2011</b> ,	43
635	Stability and Stabilization of Systems with Time Delay. <b>2011</b> , 31, 38-65	365
634	H $\infty$ Consensus Control for Discrete-Time Multi-Agent Systems with Switching Topology. <b>2011</b> , 15, 601-607	6
633	Distributed H $\infty$ Control for Leader-Following Coordination with Switching Topology. <b>2011</b> , 135-136, 455-463	
632	Attitude Formation Control of Multiple Vehicles subject to Communication Constraints. <b>2011</b> ,	
631	The Common Mission Automation Services Interface. <b>2011</b> ,	8
630	Fault-tolerant multiagent robotic formation control exploiting system symmetries. <b>2011</b> ,	2
629	Consensus Based Decoupling in Hybrid Optimization of Cooperative Transportation Planning. <b>2011</b> , 44, 9543-9548	
628	Potential Function Formation Control of Nonholonomic Mobile Robots with Curvature Constraints. <b>2011</b> , 44, 11931-11936	2

627	Integrating Task Assignment and Guidance via Motion Planning for Unmanned Aerial Vehicles. <b>2011</b>		1
626	Formation control and coordinated tracking via asymptotic decoupling for Lagrangian multi-agent systems. <b>2011</b> , 47, 2355-2363		66
625	Finite-time multi-agent deployment: A nonlinear PDE motion planning approach. <b>2011</b> , 47, 2534-2542		48
624	Decentralized Swarm Coordination: A Combined Coverage/Connectivity Approach. <b>2011</b> , 64, 603-623		10
623	Measuring an operator's maneuverability performance in the haptic teleoperation of multiple robots. <b>2011</b> ,		1
622	Obstacle avoidance in multi-vehicle coordinated motion via stabilization of time-varying sets. <b>2011</b> ,		3
621	Toward coordinated sensor motion for classification: An example of intrusion detection using Bayes risk. <b>2011</b> ,		
620	Distributed extremum seeking and cooperative control for mobile communication. <b>2011</b> ,		9
619	Relaxed convergence conditions for multi-agent systems under a class of consensus algorithms. <b>2011</b> ,		
618	A master-slave fluid cooperative control algorithm for optimal trajectory planning. <b>2011</b> ,		14
617	Collision avoidance control with sensing uncertainties. <b>2011</b> ,		16
616	A Bio-inspired Intelligent Approach to Motion Planning for Mobile Robots. <b>2011</b> , 8, 773-783		2
615	Traveling Salesman Problem for a Class of Carrier-Vehicle Systems. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2011</b> , 34, 1272-1276	2.1	20
614	Tracking control for multi-agent consensus for discrete-time case. <b>2011</b> ,		1
613	Development of a Cross Style Quadrotor. <b>2012</b> ,		7
612	A decoupled design in distributed control of uncertain networked control systems. <b>2012</b> ,		
611	Path planning for unmanned aerial vehicle based on genetic algorithm. <b>2012</b> ,		13
610	Cascade framework for task-space synchronization of networked robots with uncertain kinematics and dynamics. <b>2012</b> ,		1

609	Parameterization of all distributed controllers based on gradient-flow method for networked multi-agent systems. <b>2012,</b>			1
608	Distributed shape formation of multi-agent systems. <b>2012,</b>			1
607	Leader-following consensus of linear multi-agent systems with state-observer under switching topologies. <b>2012,</b>			0
606	Optimal sweep-based persistent surveillance using multiple Unmanned Aerial Vehicles with level of interest. <b>2012,</b>			1
605	Bilateral teleoperation of a group of UAVs with communication delays and switching topology. <b>2012,</b>			35
604	Influencing emotional behavior in a social network. <b>2012,</b>			5
603	Second-Order Consensus for Multiagent Systems under Directed and Switching Topologies. <b>2012,</b> 2012, 1-21			6
602	Synchronization of Networked Harmonic Oscillators With Communication Delays Under Local Instantaneous Interaction. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2012,</b> 134,	1.6	12	
601	Formation reconfiguration for mobile robots with network connectivity constraints. <b>2012,</b> 26, 18-24			15
600	Lyapunov, Adaptive, and Optimal Design Techniques for Cooperative Systems on Directed Communication Graphs. <b>2012,</b> 59, 3026-3041			370
599	Performance optimisation of mobile robots in dynamic environments. <b>2012,</b>			0
598	Distributed Coordinated Tracking With Reduced Interaction via a Variable Structure Approach. <b>2012,</b> 57, 33-48			344
597	Stochastic Bounded Consensus Tracking of Second-Order Multi-Agent Systems with Measurement Noises and Sampled-Data. <b>2012,</b> 68, 261-273			9
596	A review on improving the autonomy of unmanned surface vehicles through intelligent collision avoidance manoeuvres. <b>2012,</b> 36, 267-283			231
595	Multi-group coordination control for robot swarms. <b>2012,</b> 48, 2526-2534			52
594	Bilateral Teleoperation of Groups of Mobile Robots With Time-Varying Topology. <b>2012,</b> 28, 1019-1033			129
593	Generation of Trajectories Using Predictive Control for Tracking Consensus with Sensing. <b>2012,</b> 10, 1094-1099			8
592	. <b>2012,</b>			3



591	The rendezvous dynamics under linear quadratic optimal control. <b>2012,</b>	5
590	Robust formation control for aerial refueling. <b>2012,</b>	1
589	Poster Abstract: Getting Out of the Way -- Safety Verification without Compromise. <b>2012,</b>	
588	Rendezvous of networked autonomous surface vehicles with distributed neural protocols. <b>2012,</b>	
587	A new targets matching method based on epipolar geometry. <b>2012,</b>	0
586	Coordinated path following for two unicycles. <b>2012,</b>	
585	Rendezvous at a desired point irrespective of agent failures. <b>2012,</b>	
584	. <b>2012,</b> 13, 994-1007	152
583	Double-graph formation control for co-leader vehicle networks. <b>2012,</b>	
582	Autonomous deployment of heterogeneous mobile agents with arbitrarily anisotropic sensing patterns. <b>2012,</b>	5
581	Distributed containment control with multiple stationary or dynamic leaders in fixed and switching directed networks. <b>2012,</b> 48, 1586-1597	353
580	Swarm herding using a region holding sliding mode controller. <b>2012,</b> 18, 1056-1066	11
579	A consensus based rate control scheme for ATM networks. <b>2012,</b> 10, 817-823	8
578	Leader-following consensus problem with an accelerated motion leader. <b>2012,</b> 10, 931-939	25
577	Passivity-Based Pose Synchronization in Three Dimensions. <b>2012,</b> 57, 360-375	64
576	Novel decentralised formation control for unmanned vehicles. <b>2012,</b>	8
575	On a Class of Hierarchical Formations of Unicycles and Their Internal Dynamics. <b>2012,</b> 57, 845-859	14
574	Dynamics of Information Systems: Mathematical Foundations. <b>2012,</b>	

573	Planning and Control of Swarm Motions as Deformable Bodies. <b>2012,</b>		2
572	Pursuit formations with dynamic control gains. <i>International Journal of Robust and Nonlinear Control</i> , <b>2012</b> , 22, 300-317	3.6	10
571	Cooperative control of multiple surface vessels with discrete-time periodic communications. <i>International Journal of Robust and Nonlinear Control</i> , <b>2012</b> , 22, 398-419	3.6	45
570	Decentralized path planning for multi-agent teams with complex constraints. <b>2012</b> , 32, 385-403		63
569	Dynamic target tracking and observing in a mobile sensor network. <b>2012</b> , 60, 996-1009		47
568	Performance Analysis of Distributed Consensus on Regular Networks. <b>2012</b> , 3, 312-318		1
567	Eigenvector-based intergroup connection of low rank for hierarchical multi-agent dynamical systems. <b>2012</b> , 61, 354-361		28
566	Synchronized path following control of multiple homogenous underactuated AUVs. <b>2012</b> , 25, 71-89		53
565	Globally solving a nonlinear UAV task assignment problem by stochastic and deterministic optimization approaches. <b>2012</b> , 6, 315-329		16
564	Leader-follower formation via complex Laplacian. <b>2013</b> , 49, 1900-1906		126
563	Informatics in Control, Automation and Robotics. <b>2013,</b>		1
562	Distributed Adaptive Tracking Control for Unknown Nonlinear Networked Systems. <b>2013</b> , 39, 1729-1735		3
561	Mobile Manipulators Motion Planning Based on Trajectory Tracking Control. <b>2013</b> , 77-88		1
560	Task-Space Synchronization of Networked Robotic Systems With Uncertain Kinematics and Dynamics. <b>2013</b> , 58, 3169-3174		58
559	. <b>2013</b> , 49, 2440-2462		21
558	Distributed Control of Uncertain Networked Systems: A Decoupled Design. <b>2013</b> , 58, 2536-2549		16
557	Formation control of mobile robots using decentralized nonlinear model predictive control. <b>2013,</b>		4
556	Multi-robot nonlinear model predictive formation control: Moving target and target absence. <b>2013</b> , 61, 1502-1515		43

555	Leader following consensus for multi-agent systems with stochastic packet dropout. <b>2013,</b>	5
554	Robustness of stochastic stability in game theoretic learning. <b>2013,</b>	
553	Decentralized learning-based planning for multiagent missions in the presence of actuator failures. <b>2013,</b>	2
552	Coordinated formation control of nonlinear marine vessels under directed communication topology. <b>2013,</b>	1
551	Distributed Control of Coordinated Path Tracking for Networked Nonholonomic Mobile Vehicles. <b>2013, 9, 472-484</b>	84
550	Trajectory planning for multi-vehicle system considering network connectivity and collision avoidance. <b>2013,</b>	2
549	Flocking multiple microparticles with automatically controlled optical tweezers: solutions and experiments. <b>2013, 60, 1518-27</b>	37
548	Cooperative load balancing algorithm in multiple bottleneck networks. <b>2013,</b>	
547	A visual and force feedback for multi-robot teleoperation in outdoor environments: A preliminary result. <b>2013,</b>	6
546	A Novel Robust Leader-Following Control Design for Mobile Robots. <b>2013, 71, 391-402</b>	17
545	An Overview of Recent Progress in the Study of Distributed Multi-Agent Coordination. <b>2013, 9, 427-438</b>	1279
544	Discussion on: Control and navigation in manoeuvres of formations of unmanned mobile vehicles <b>2013, 19, 172-173</b>	2
543	A short overview of control in European R&D programmes (1983-2013): From local loop designs, through networked and coordinated control, to stochastic, large scale and real time optimization systems. <b>2013, 19, 351-357</b>	2
542	Distributed Sensor Fusion for Scalar Field Mapping Using Mobile Sensor Networks. <b>2013, 43, 766-78</b>	80
541	Model Equations for Multi-Agent Networks. <b>2013, 37-49</b>	
540	Formation control of UAVs with a fourth-order flight dynamics. <b>2013,</b>	21
539	Multi-agent compositional stability exploiting system symmetries. <b>2013, 49, 3158-3166</b>	17
538	Decentralized control of partially observable Markov decision processes. <b>2013,</b>	40

537	Adaptive H <sub>∞</sub> consensus control for distributed parameter systems of hyperbolic type. <b>2013,</b>	2
536	Leader-Following Consensus of Linear Multiagent Systems with State Observer under Switching Topologies. <b>2013,</b> 2013, 1-12	8
535	A Hybrid Approach for Coordinated Formation Control of Multiple Surface Vessels. <b>2013,</b> 2013, 1-8	5
534	A Computationally Efficient Approach to Trajectory Management for Coordinated Aerial Surveillance. <b>2013,</b> 01, 59-74	24
533	Vehicle Cooperative Control Framework in Transportation Cyber-Physical Systems. <b>2013,</b>	1
532	Cooperative output-synchronisation of networked high-order power integrators. <b>2013,</b> 7, 2143-2152	4
531	Robust control of decomposable LPV systems under time-invariant and time-varying interconnection topologies (Part 1). <b>2013,</b>	6
530	Ambient light intensity based topology switching control for multi-robot system. <b>2013,</b>	
529	Bilateral control of the degree of connectivity in multiple mobile-robot teleoperation. <b>2013,</b>	12
528	Frozen state conditions for asymptotic consensus of time-varying cooperative nonlinear networks. <b>2013,</b>	9
527	Model reference adaptive consensus control. <b>2013,</b>	1
526	Performance bounds on decomposable systems. <b>2013,</b>	3
525	Efficient distributed sensing using adaptive censoring based inference. <b>2013,</b>	
524	A robust signal-flow architecture for cooperative vehicle density control. <b>2013,</b>	7
523	Formation control of dynamic nonholonomic mobile robots with curvature constraints via potential functions. <b>2013,</b>	5
522	Cooperative Search and Exploration in Robotic Networks. <b>2013,</b> 01, 121-142	55
521	Coordinated path following for a multi-agent system of unicycles. <b>2013,</b>	5
520	Formation tracking control of nonholonomic chained form systems. <b>2013,</b>	1

519	Compositional stability of approximately symmetric systems: Initial results. <b>2013</b> ,	3
518	Leader-Follower Consensus for Multi-agent Systems Based on Error Predictor. <b>2013</b> ,	
517	A passivity-based decentralized strategy for generalized connectivity maintenance. <b>2013</b> , 32, 299-323	101
516	Sampled-data consensus of first-order multi-agent systems with delayed-state-derivative feedback. <b>2013</b> ,	1
515	Optimal distributed controllers based on gradient-flow method for multi-agent coordination. <b>2013</b> ,	
514	Robust control of decomposable LPV systems under time-invariant and time-varying interconnection topologies (Part 2). <b>2013</b> ,	4
513	Adaptive H <sub>∞</sub> Consensus Control of Multi-Agent Systems. <b>2013</b> , 46, 701-706	1
512	Cooperative guidance of UAVs for area exploration with final target allocation. <b>2013</b> , 46, 260-265	6
511	Cooperative guidance laws for maneuvering target interceptions. <b>2013</b> , 46, 301-306	1
510	Bounded consensus of leader-following multi-agent systems with sampling delay for double-integrator dynamics. <b>2013</b> , 19, 323	2
509	Distributed control of swarm motions as continua using homogeneous maps and agent triangulation. <b>2013</b> ,	4
508	Formation control of robotic swarm using bounded artificial forces. <b>2013</b> , 2013, 194280	5
507	Consensus tracking for multiagent systems with nonlinear dynamics. <b>2014</b> , 2014, 130643	1
506	Distributed leader-following finite-time consensus control for linear multiagent systems under switching topology. <b>2014</b> , 2014, 248041	1
505	Formation Control of UAVs with a Fourth-Order Flight Dynamics. <b>2014</b> , 7, 74-81	13
504	Adaptive Leader-Following Consensus of Multi-Agent Systems with Unknown Nonlinear Dynamics. <b>2014</b> , 16, 5020-5031	13
503	Alignment as Biological Inspiration for Control of Multi Agent Systems. <b>2014</b> ,	1
502	Integrating Task and Motion Planning for Unmanned Aerial Vehicles. <b>2014</b> , 02, 19-38	19

501	Decentralized trajectory tracking with collision avoidance control for teams of unmanned vehicles with constant speed. <b>2014,</b>	8
500	Robust control of decomposable LPV systems. <b>2014,</b> 50, 3239-3245	15
499	Local pursuit strategy-inspired cooperative trajectory planning algorithm for a class of nonlinear constrained dynamical systems. <b>2014,</b> 87, 506-523	4
498	Distributed consensus tracking control of linear multi-agent systems with actuator faults. <b>2014,</b>	4
497	Modeling a multi-robot system with fractional-order differential equations. <b>2014,</b>	14
496	Cooperative receding horizon control for multi-target interception in uncertain environments. <b>2014</b>	5
495	Evolution of Multi-Agent Systems as Continua. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME,</i> <b>2014,</b> 136,	1.6 15
494	Robust synchronization of directed Lur'e networks with incremental nonlinearities. <b>2014,</b>	4
493	Fractional-order dynamics in a random, approximately scale-free network of agents. <b>2014,</b>	7
492	Double-layer topology design based on physical communication network. <b>2014,</b>	
491	Coverage control of a dynamic large-scale environment using sector-based sensors. <b>2014,</b>	
490	Rigidity theory in SE(2) for unscaled relative position estimation using only bearing measurements. <b>2014,</b>	22
489	Distributed LQR design for multi-agent systems on directed graph topologies. <b>2014,</b>	1
488	Reduced-size LFT closed-loop modeling of decomposable systems with simplified controller synthesis. <b>2014,</b>	1
487	Real-time distributed optimal trajectory generation for nonholonomic vehicles in formations. <b>2014,</b>	4
486	Practical formation stabilization of nonholonomic mobile robots based on injecting perturbation signals. <b>2014,</b>	1
485	Convergence analysis for dynamic synchronization of second-order multi-agent systems via reference model based algorithm. <b>2014,</b>	
484	Proportional integral distributed optimization for dynamic network topologies. <b>2014,</b>	4

483	Leader-following consensus of second-order non-linear multi-agent systems with directed intermittent communication. <b>2014</b> , 8, 782-795		73
482	Cooperative dynamic positioning of multiple offshore vessels with persistent ocean disturbances via iterative learning. <b>2014</b> ,		2
481	Finite-time attitude consensus tracking with terminal sliding mode observer. <b>2014</b> ,		0
480	. <b>2014</b> ,		0
479	Cooperative formation control of quadrotors with obstacle avoidance and self collisions based on a hierarchical MPC approach. <b>2014</b> ,		7
478	Geometrical interpretation on the coverage problems for a mobile agent. <b>2014</b> ,		3
477	Cooperative dynamic positioning of multiple offshore vessels via local information interactions. <b>2014</b> ,		1
476	A review of rotorcraft Unmanned Aerial Vehicle (UAV) developments and applications in civil engineering. <b>2014</b> , 13, 1065-1094		160
475	A Virtual Motion Camouflage Approach for Cooperative Trajectory Planning of Multiple UCAVs. <b>2014</b> , 2014, 1-15		4
474	Fast Finite-Time Consensus Tracking of First-Order Multi-Agent Systems with a Virtual Leader. <b>2014</b> , 596, 552-559		11
473	Fast Consensus Tracking of Multiagent Systems with Diverse Communication Delays and Input Delays. <b>2014</b> , 2014, 1-10		1
472	Distributed adaptive controller for the output-synchronization of networked systems in semi-strict feedback form. <b>2014</b> , 351, 412-428		31
471	Efficient distributed sensing using adaptive censoring-based inference. <b>2014</b> , 50, 1590-1602		12
470	Stability Analysis and Implementation of a Decentralized Formation Control Strategy for Unmanned Vehicles. <b>2014</b> , 22, 706-720		44
469	Stochastic bounded consensus tracking of second-order multi-agent systems with measurement noises based on sampled-data with small sampling delay. <b>2014</b> , 12, 44-56		9
468	Decentralized Queue Balancing and Differentiated Service Scheme Based on Cooperative Control Concept. <b>2014</b> , 10, 586-593		12
467	Model Predictive Control of Swarms of Spacecraft Using Sequential Convex Programming. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2014</b> , 37, 1725-1740	2.1	163
466	Generalized Traveling Salesman Problem for Carrier-Vehicle Systems. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2014</b> , 37, 766-774	2.1	19

465	A leader-following trajectory generator with application to quadrotor formation flight. <b>2014</b> , 62, 1597-1609	50
464	Cooperative output synchronization of networked nonlinear output-feedback systems. <b>2014</b> ,	
463	Three-dimensional formation merging control of second-order agents under directed and switching topologies. <b>2014</b> ,	
462	Distributed Formation Control of Multi-Agent Systems Using Complex Laplacian. <b>2014</b> , 59, 1765-1777	230
461	Synchronising second-order multi-agent systems under dynamic topology via reference model-based algorithm. <b>2014</b> , 1, 214-225	11
460	Adaptive output feedback control for cooperative dynamic positioning of multiple offshore vessels. <b>2014</b> ,	1
459	Formation Control of Autonomous Underwater Vehicles Subject to Communication Delays. <b>2014</b> , 22, 770-777	127
458	Consensus-based cooperative formation control with collision avoidance for a multi-UAV system. <b>2014</b> ,	89
457	Observer design for consensus of general fractional-order multi-agent systems. <b>2014</b> ,	1
456	Flocking with a moving leader for multiple uncertain lagrange systems. <b>2014</b> ,	6
455	Closed-form solution for optimal convergence speed of multi-agent systems with discrete-time double-integrator dynamics for fixed weight ratios. <b>2014</b> , 71, 7-13	17
454	Fully distributed robust synchronization of networked Lur $\bar{B}$ systems with incremental nonlinearities. <b>2014</b> , 50, 2515-2526	54
453	. <b>2014</b> , 22, 494-504	227
452	. <b>2014</b> , 30, 550-565	18
451	Cooperative Robots and Sensor Networks. <b>2014</b> ,	5
450	Unmanned aerial vehicle-aided communications system for disaster recovery. <b>2014</b> , 41, 27-36	116
449	Neural network based adaptive dynamic surface control for cooperative path following of marine surface vehicles via state and output feedback. <b>2014</b> , 133, 170-178	61
448	H Dynamic Output Feedback Consensus Control for Discrete-Time Multi-Agent Systems with Switching Topology. <b>2014</b> , 39, 1477-1487	11



447	A control theoretic formulation of green driving strategies based on inter-vehicle communications. <b>2014</b> , 41, 48-60	61
446	A theoretical analysis of multi-hop consensus algorithms for wireless networks: Trade off among reliability, responsiveness and delay tolerance. <b>2014</b> , 13, 234-244	12
445	Conservatism of Analysis and Controller Synthesis of Decomposable Systems. <b>2014</b> , 47, 2860-2865	
444	Continuum Evolution of a System of Agents with Finite Size. <b>2014</b> , 47, 9667-9672	2
443	A Decentralized Asymmetric Weighting Approach for Improved Convergence of Multi-Agent Systems with Undirected Interaction. <b>2014</b> , 47, 8317-8322	
442	Formation Control of UGVs using an UAV as Remote Vision Sensor. <b>2014</b> , 47, 11872-11877	3
441	On Consensus of Multiple High-Order Uncertain Systems Based on Distributed Backstepping Framework. <b>2014</b> , 11, 120	1
440	An Optimal Control Approach to Decentralized Energy-Efficient Coverage Problems. <b>2014</b> , 47, 6038-6043	11
439	Formation Merging Control in 3D under Directed and Switching Topologies. <b>2014</b> , 47, 10036-10041	
438	Distributed Concurrent Targeting for Linear Arrays of Point Sources. <b>2014</b> , 47, 8323-8328	3
437	. <b>2014</b> ,	
436	Decentralized Formation Tracking for Groups of Mobile Robots with Consensus and MPC**This work was supported by CAPES, Brazil.. <b>2015</b> , 48, 274-279	3
435	Topology Control for Connectivity Maintenance in Cooperative Mobile Robot Networks. <b>2015</b> , 48, 280-285	2
434	Cooperative control for self-organizing microgrids via physical network connectivity. <b>2015</b> ,	
433	Cooperative adaptive bidirectional control of a train platoon for efficient utility and string stability. <b>2015</b> , 24, 090506	18
432	Port-Hamiltonian based teleoperation of a multi-robot system on periodic trajectories. <b>2015</b> , 48, 69-74	0
431	Distributed Receding Horizon Control with Priority for Multi Robot System Including Ad-hoc Network. <b>2015</b> , 33, 800-806	
430	Active drifters: Towards a practical multi-robot system for ocean monitoring. <b>2015</b> ,	5

429	Formation Control with Collision Avoidance for a Multi-UAV System Using Decentralized MPC and Consensus-Based Control. <b>2015</b> , 8, 285-294	39
428	Distributed average consensus based on structural weight-balanceability. <b>2015</b> , 9, 176-183	2
427	UAVs Trajectory Planning by Distributed MPC under Radio Communication Path Loss Constraints. <b>2015</b> , 79, 115-134	34
426	Experimental validation of cooperative formation control with collision avoidance for a multi-UAV system. <b>2015</b> ,	11
425	Task-oriented teleoperation systems for groups of mobile robots with time-varying communication delays. <b>2015</b> ,	
424	Model Predictive Control of Nonholonomic Chained Systems Using General Projection Neural Networks Optimization. <b>2015</b> , 45, 1313-1321	111
423	Cooperation and collision avoidance for multiple DP ships with disturbances. <b>2015</b> ,	
422	Pose synchronization of rigid body networks with switching topologies. <b>2015</b> ,	1
421	Optical micromanipulation of multiple groups of cells. <b>2015</b> ,	6
420	Distributed virtual leader moving formation control using behavior-based MPC. <b>2015</b> ,	4
419	Optimal convergence speed with constrained damping of double-integrator multi-agent systems with undirected topology. <b>2015</b> ,	3
418	Cooperative robust output regulation of heterogeneous Lur'e networks. <b>2015</b> ,	2
417	Adaptive RFWCMAC cooperative formation control for multiple ballbots incorporated with coupling dynamics. <b>2015</b> ,	2
416	Consensus of time-varying nonlinear non-autonomous networks with application to field sampling by mobile robots. <b>2015</b> ,	2
415	Distributed control of networked multi-agent systems for high-dimensional coordination. <b>2015</b> ,	1
414	On exponential consensus for time-varying non-cooperative nonlinear networks. <b>2015</b> ,	3
413	Road-following formation control of autonomous ground vehicles. <b>2015</b> ,	1
412	Complex Laplacian based algorithm for output synchronization of multi-agent systems using internal model principle. <b>2015</b> ,	4

411	Linear model predictive control via feedback linearization for formation control of multiple wheeled mobile robots. <b>2015,</b>		9
410	Stability analysis of dynamic decision-making for vehicle heading control. <b>2015,</b>		3
409	Plug and play partition-based state estimation based on Kalman filter. <b>2015,</b>		4
408	Leader-follower formation control and obstacle avoidance of multi-robot based on artificial potential field. <b>2015,</b>		13
407	Formation control and collision avoidance of unicycle robots with distributed predictive control. <b>2015,</b> 48, 260-265		5
406	Cooperative control of networked autonomous vehicles using convex optimization. <b>2015,</b>		2
405	Cooperative control for multi-target interception with sensing and communication limitations: A game-theoretic approach. <b>2015,</b>		2
404	Maximum reward collection problem. <b>2015,</b>		1
403	Formation control with collision avoidance for a multi-UAV system using decentralized MPC and consensus-based control. <b>2015,</b>		15
402	Nonlinear Model Predictive Formation Control for Quadcopters**This work was supported by FAPESB, CNPq and CAPES.. <b>2015,</b> 48, 39-44		10
401	Swarm Motion as Particles of a Continuum With Communication Delays. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME,</i> <b>2015,</b> 137,	1.6	5
400	An Alignment Strategy for Evolution of Multi-Agent Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME,</i> <b>2015,</b> 137,	1.6	2
399	Distributed Constrained NMPC with Infeasibility Handling Applied to Formation Control of Nonholonomic Vehicles. <b>2015,</b> 26, 599-608		3
398	Finite-time containment control of multi-agent network with nonlinear dynamics. <b>2015,</b>		
397	Consensus of multi-agent systems via delayed and intermittent communications. <b>2015,</b> 9, 62-73		52
396	Distributed control of multiple non-holonomic robots with sector vision and range-only measurements for target capturing with collision avoidance. <b>2015,</b> 33, 385-412		14
395	Consensus for formation control of multi-agent systems. <i>International Journal of Robust and Nonlinear Control,</i> <b>2015,</b> 25, 2481-2501	3.6	30
394	The SVD System for First-Order Linear Systems. <b>2015,</b> 23, 1213-1220		3

393	Application of distributed predictive control to motion and coordination problems for unicycle autonomous robots. <b>2015</b> , 72, 248-260	20
392	Three-dimensional formation merging control under directed and switching topologies. <b>2015</b> , 58, 99-105	14
391	Optimal state feedback control for wireless networked control systems with decentralised controllers. <b>2015</b> , 9, 852-862	17
390	Distributed coordination in multi-agent systems: a graph Laplacian perspective. <b>2015</b> , 16, 429-448	13
389	Cooperative source localisation of multi-agent system based on a cooperative PE condition. <b>2015</b> , 9, 42-51	4
388	Decentralized rigidity maintenance control with range measurements for multi-robot systems. <b>2015</b> , 34, 105-128	82
387	Three-dimensional circular formations via set stabilization. <b>2015</b> , 54, 374-381	27
386	On multi-agent self-tuning consensus. <b>2015</b> , 55, 46-54	9
385	Parallel and distributed computing for UAVs trajectory planning. <b>2015</b> , 6, 773-782	15
384	. <b>2015</b> , 12, 827-834	141
383	An overview of recent progress in high-order nonholonomic chained system control and distributed coordination. <b>2015</b> , 2, 64-85	15
382	Group consensus in uncertain networked Euler-Lagrange systems with acyclic interaction topology. <b>2015</b> ,	2
381	Decentralized leader-follower formation control with obstacle avoidance of multiple unicycle mobile robots. <b>2015</b> ,	10
380	Experiments on Human-in-the-Loop Coordination for Multirobot System With Task Abstraction. <b>2015</b> , 12, 981-989	14
379	Predictive control of a vehicle convoy considering lane change behavior of the preceding vehicle. <b>2015</b> ,	9
378	Fault tolerant cooperative control of multiple UAVs-UGVs under actuator faults. <b>2015</b> ,	12
377	An Automated Battery Management System to Enable Persistent Missions With Multiple Aerial Vehicles. <b>2015</b> , 20, 275-286	71
376	Distributed Controllers for Multi-Agent Coordination Via Gradient-Flow Approach. <b>2015</b> , 60, 1471-1485	45

375	Real-time decentralized cooperative robust trajectory planning for multiple UCAVs air-to-ground target attack. <b>2015</b> , 229, 581-600	6
374	Formation control driven by cooperative object tracking. <b>2015</b> , 63, 68-79	24
373	Game Theory and Distributed Control****Supported AFOSR/MURI projects #FA9550-09-1-0538 and #FA9530-12-1-0359 and ONR projects #N00014-09-1-0751 and #N0014-12-1-0643.. <b>2015</b> , 4, 861-899	19
372	Stochastic bounded consensus tracking of second-order multi-agent systems with measurement noises based on sampled-data with general sampling delay. <b>2015</b> , 46, 546-561	16
371	Bioinspired Coordinated Path Following for Vessels with Speed Saturation Based on Virtual Leader. <b>2016</b> , 2016, 6054791	
370	Robust cooperative tracking of multiple p-order power integrators. <b>2016</b> ,	
369	Leader-following consensus of multi-agent system in noisy environment. <b>2016</b> ,	
368	Collaborative localization and formation flying using distributed stereo-vision. <b>2016</b> ,	21
367	Using fractional-order differential equations for health monitoring of a system of cooperating robots. <b>2016</b> ,	6
366	Passivity and practical considerations for the SNMF System. <b>2016</b> ,	0
365	Adaptive coordinated formation control for multiple surface vessels based on virtual leader. <b>2016</b> ,	2
364	Real-time optimal formation reconfiguration of multiple wheeled mobile robots based on particle swarm optimization. <b>2016</b> ,	5
363	Cooperative receding horizon control of double integrator vehicles for multi-target interception. <b>2016</b> ,	1
362	A coverage-based guidance algorithm for the multi-stage cooperative interception problem. <b>2016</b> ,	1
361	Intelligent sliding-mode formation control for uncertain networked heterogeneous Mecanum-wheeled omnidirectional platforms. <b>2016</b> ,	4
360	Consensus for nonlinear monotone networks with unilateral interactions. <b>2016</b> ,	2
359	Adaptive H <sub>∞</sub> consensus control of Euler-Lagrange systems on directed network graph. <b>2016</b> ,	1
358	Distributed velocity constraints for multi-agent system to preserve communication range. <b>2016</b> ,	1

357	Decentralized Adaptive Coverage Control of Nonholonomic Mobile Robots. <b>2016</b> , 49, 410-415	3
356	Discretized optimal control approach for dynamic multi-agent decentralized coverage. <b>2016</b> ,	9
355	HybridCD (continuous/discrete) multi-controller architectures. <b>2016</b> , 85-108	
354	Intelligent adaptive distributed consensus formation control for uncertain networked heterogeneous swedish-wheeled omnidirectional multi-robots. <b>2016</b> ,	2
353	Attitude synchronization of multiple rigid bodies in SE(3) over proximity networks. <b>2016</b> ,	1
352	. <b>2016</b> ,	2
351	Sign-consensus of linear multi-agent systems over signed graphs using a fully distributed protocol. <b>2016</b> ,	2
350	A cooperative receding horizon controller for multi-target interception with Obstacle Avoidance. <b>2016</b> ,	
349	Robust finite-time consensus tracking for second-order multi-agent systems with reduced communication. <b>2016</b> ,	1
348	Fixed-time coordinated tracking for second-order multi-agent systems with bounded input uncertainties. <b>2016</b> , 93, 1-12	147
347	Visual feedback with multiple cameras in a UAVs HumanSwarm Interface. <b>2016</b> , 80, 43-54	16
346	Stochastic optimal linear control of wireless networked control systems with delays and packet losses. <b>2016</b> , 10, 742-751	20
345	Unmanned surface vehicles: An overview of developments and challenges. <b>2016</b> , 41, 71-93	383
344	Exponential distributed leader-follower consensus formation control of a networked fourth-order multi-quadrotor system. <b>2016</b> ,	
343	. <b>2016</b> ,	7
342	Multi-agent motion planning using Bayes risk. <b>2016</b> , 86, 1-12	1
341	Adaptive formation control with self-equilibrium forces. <b>2016</b> ,	
340	Multiple Mobile Robot Systems. <b>2016</b> , 1335-1384	25

339	Multiple-Robot Simultaneous Localization and Mapping: A Review. <b>2016</b> , 33, 3-46	133
338	Distributed Multirobot Formation and Tracking Control in Cluttered Environments. <b>2016</b> , 11, 1-22	14
337	Voronoi based decentralized coverage problem: From optimal control to Model Predictive Control. <b>2016</b> ,	6
336	Bilateral teleoperation of a group of mobile robots for cooperative tasks. <b>2016</b> , 9, 311-321	3
335	An Overview of Cooperative and Consensus Control of Multiagent Systems. <b>2016</b> , 1-35	4
334	Adaptive backstepping decentralized formation control using fuzzy wavelet neural networks for uncertain mecanum-wheeled omnidirectional multi-vehicles. <b>2016</b> ,	4
333	Decentralized cooperative transportation with obstacle avoidance using fuzzy wavelet neural networks for uncertain networked omnidirectional multi-robots. <b>2016</b> ,	4
332	Omnidirectional vision-based pose control between two robots. <b>2016</b> ,	
331	Fractional-order approximations to implicitly-defined operators for modeling and control of networked mechanical systems. <b>2016</b> ,	1
330	Leader-following consensus control of multi-agent systems with communication delays & random packet loss. <b>2016</b> ,	7
329	Distributed sliding-mode formation control using recurrent interval type 2 fuzzy neural networks for uncertain multi-ballbots. <b>2016</b> ,	1
328	Real-time autonomous take-off, tracking and landing of UAV on a moving UGV platform. <b>2016</b> ,	20
327	On the implementation of area coverage optimization using mobile robots. <b>2016</b> ,	0
326	A multi-robot dynamic formation scheme based on rigid formation. <b>2016</b> ,	1
325	Synchronization of networked multibody systems using fundamental equation of mechanics. <b>2016</b> , 37, 555-572	3
324	. <b>2016</b> ,	2
323	Almost sure consensus for multi-agent systems with two level switching. <b>2016</b> , 370-371, 554-564	3
322	Finite-time connectivity preservation rendezvous with disturbance rejection. <b>2016</b> , 71, 57-61	25

321	Cooperative Tasking for Deterministic Specification Automata. <b>2016</b> , 18, 2078-2087		5
320	Coordination Between Unmanned Aerial and Ground Vehicles: A Taxonomy and Optimization Perspective. <b>2016</b> , 46, 959-72		53
319	Performance control for interconnection of identical systems: Application to PLL network design. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 3-27	3.6	5
318	Adaptive iterative learning control for high-order nonlinear multi-agent systems consensus tracking. <b>2016</b> , 89, 16-23		94
317	Two-Layered Framework for Distributed Multiagent Formation Following. <b>2016</b> , 24, 1134-1139		9
316	On Development of 100-Gram-Class Spacecraft for Swarm Applications. <b>2016</b> , 10, 673-684		58
315	CPS Oriented Control Design for Networked Surveillance Robots With Multiple Physical Constraints. <b>2016</b> , 35, 778-791		32
314	Distributed adaptive output consensus control of second-order systems containing unknown non-linear control gains. <b>2016</b> , 47, 3350-3363		11
313	Observer-based finite-time coordinated tracking for general linear multi-agent systems. <b>2016</b> , 66, 231-237		34
312	. <b>2016</b> , 32, 275-285		11
311	Dynamic Feedback Synchronization of Lur'e Networks via Incremental Sector Boundedness. <b>2016</b> , 61, 2579-2584		11
310	Formation Control and Tracking for Co-operative Robots with Non-holonomic Constraints. <b>2016</b> , 82, 163-174		23
309	Frozen state conditions for exponential consensus of time-varying cooperative nonlinear networks. <b>2016</b> , 64, 182-189		12
308	Output Consensus Control of Multiagent Systems With Unknown Nonlinear Dead Zone. <b>2016</b> , 46, 1329-1337		78
307	Information Space Receding Horizon Control for Multisensor Tasking Problems. <b>2016</b> , 46, 1325-36		18
306	Bayesian Prediction and Adaptive Sampling Algorithms for Mobile Sensor Networks. <b>2016</b> ,		3
305	Multi-robot target detection and tracking: taxonomy and survey. <b>2016</b> , 40, 729-760		106
304	. <b>2016</b> , 3, 334-347		138



303	Multi-UAVs formation autopilot design and performance analysis under interconnection topologies. <b>2016</b> , 230, 469-484		
302	Sampled-data synchronisation of coupled harmonic oscillators with communication and input delays subject to controller failure. <b>2016</b> , 47, 235-248		15
301	Coordination of Marine Robots Under Tracking Errors and Communication Constraints. <b>2016</b> , 41, 27-39		5
300	Decentralized feedback control for wireless sensor and actuator networks with multiple controllers. <b>2017</b> , 8, 1471-1483		9
299	Topology-Based Controllability Problem in Network Systems. <b>2017</b> , 47, 3077-3088		10
298	A cooperative formation-based collision avoidance approach for a group of autonomous vehicles. <b>2017</b> , 31, 489-506		5
297	Observer-based leader-following consensus of uncertain nonlinear multi-agent systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2017</b> , 27, 3794-3811	3.6	105
296	Necessary and sufficient conditions for consensus in nonlinear monotone networks with unilateral interactions. <b>2017</b> , 77, 51-60		13
295	A flocking algorithm with individual agent destinations and without a centralized leader. <b>2017</b> , 102, 57-67		13
294	Introduction to Multi-agent Cooperative Control. <b>2017</b> , 45-65		1
293	Group Regional Consensus of Networked Lagrangian Systems With Input Disturbances. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2017</b> , 139,	1.6	8
292	Adaptive formation control for route-following ground vehicles. <b>2017</b> ,		0
291	Bifurcations and symmetry in two optimal formation control problems for mobile robotic systems. <b>2017</b> , 35, 1712-1731		
290	Object transportation by cooperative robots. <b>2017</b> ,		5
289	. <b>2017</b> , 53, 2718-2734		66
288	Continuum Deformation of Multi-Agent Systems Under Directed Communication Topologies. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2017</b> , 139,	1.6	8
287	A novel leader following consensus approach for multi-agent systems with data loss. <b>2017</b> , 15, 763-775		13
286	Sign-Consensus of Linear Multi-Agent Systems Over Signed Directed Graphs. <b>2017</b> , 64, 5075-5083		69

285	Control sharing in human-robot team interaction. <b>2017</b> , 44, 342-354	56
284	A Framework for Distributed Control Based on Overlapping Estimation for Cooperative Tasks. <b>2017</b> , 50, 14296-14301	2
283	A 3D Decentralized Guidance and Control System for a Swarm of Multi-Copters. <b>2017</b> , 50, 5788-5793	
282	Heterogeneous multi-robot trajectories for area coverage optimization. <b>2017</b> ,	
281	Collision avoidance between multi-UAV-systems considering formation control using MPC. <b>2017</b> ,	12
280	Formation Problem of Second-Order Multi-agent Systems with Input Delay and Communication Delay. <b>2017</b> , 435-444	
279	Distributed adaptive switching consensus control of heterogeneous multi-agent systems with switched leader dynamics. <b>2017</b> , 26, 274-283	16
278	Distributed Consensus and Consensus Filters. <b>2017</b> , 19-36	
277	Distributed virtual leader tracking of multi-agent systems with second order agent dynamics under a state dependent jointly connected topology. <b>2017</b> ,	1
276	Distributed cooperative control of leader-follower multi-agent systems under packet dropouts for quadcopters. <b>2017</b> , 106, 47-57	16
275	Dynamic programming-based multi-vehicle longitudinal trajectory optimization with simplified car following models. <b>2017</b> , 106, 102-129	56
274	A discrete-time flocking algorithm for agents with sampled-data double-integrator dynamics. <b>2017</b> ,	2
273	Distributed weighting strategies for improved convergence speed of first-order consensus. <b>2017</b> ,	2
272	Finite-time consensus for multi-agent systems with globally bounded convergence time under directed communication graphs. <b>2017</b> , 90, 1807-1817	47
271	A Criterion for Exponential Consensus of Time-Varying Non-Monotone Nonlinear Networks. <b>2017</b> , 62, 2483-2489	5
270	Nash-optimization distributed model predictive control for multi mobile robots formation. <b>2017</b> , 10, 688-696	6
269	Multimodal feedback for teleoperation of multiple mobile robots in an outdoor environment. <b>2017</b> , 11, 67-80	13
268	Distributed Consensus Formation Control with Collision and Obstacle Avoidance for Uncertain Networked Omnidirectional Multi-robot Systems Using Fuzzy Wavelet Neural Networks. <b>2017</b> , 19, 1375-1391	20

267	Information-Control system for cooperative control of a mobile robots group. <b>2017,</b>		1
266	Edge potential residuals in low-complexity aggregation behaviors. <b>2017,</b>		
265	Robust H <sub>∞</sub> consensus for multi-agent systems with time-varying input delay using dynamic IQCs. <b>2017,</b>		2
264	Optimization-based control for Multi-Agent deployment via dynamic Voronoi partition. <b>2017, 50, 1828-1833</b>		4
263	A Distributed Navigation Strategy for Mobile Sensor Networks With the Probabilistic Wireless Links. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2017, 139,</b>	1.6	1
262	Distributed robust predictive control for multiple mobile robots formation. <b>2017,</b>		0
261	. <b>2017,</b>		4
260	Time-varying formation control for mobile robots: Algorithms and experiments. <b>2017,</b>		1
259	Distributed UAV formation control with two-hop relay protocol. <b>2017,</b>		
258	Robust output feedback fault-tolerant control of non-linear multi-agent systems based on wavelet neural networks. <b>2017, 11, 3004-3015</b>		12
257	Distributed network topology control for robotic swarm system: Abandonment approach. <b>2017,</b>		0
256	Adaptive nonsingular terminal sliding-mode formation control using ORFWNN for uncertain networked heterogeneous mecanum-wheeled omnidirectional robots. <b>2017,</b>		3
255	Experimental verification of formation control by model predictive control considering collision avoidance in three dimensional space with quadcopters. <b>2017,</b>		4
254	Consensus-based algorithm for distributed estimation of the maximum of a field. <b>2017,</b>		1
253	Adaptive H <sub>∞</sub> consensus control of euler-lagrange systems on directed network graph by utilizing neural network approximators. <b>2017,</b>		
252	Output bipartite consensus of heterogeneous linear multi-agent systems under switching topologies. <b>2017,</b>		1
251	Consensus tracking of second-order multi-agent systems with input saturation under sampled-data communication. <b>2017,</b>		
250	Adaptive Control in Cyber-Physical Systems. <b>2017, 15-30</b>		1

249	Bipartite Consensus Control for Coupled Harmonic Oscillators Under a Cooperative Network Topology. <b>2018</b> , 6, 3706-3714		13
248	Passivity Preserving Force Scaling for Enhanced Teleoperation of Multirobot Systems. <b>2018</b> , 3, 1925-1932		13
247	Cooperative Control of Voltage Equalization for Multiple Supercapacitors. <b>2018</b> , 145-153		1
246	Fractional-order system identification for health monitoring. <b>2018</b> , 92, 1317-1334		17
245	Proactive Doppler Shift Compensation in Vehicular Cyber-Physical Systems. <b>2018</b> , 26, 807-818		5
244	Decentralized and adaptive control of multiple nonholonomic robots for sensing coverage. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 2636-2650	3.6	7
243	Cooperative Navigation for Large Swarms of Munitions in Three-Dimensional Flight. <b>2018</b> ,		0
242	Anisotropic Flocking Control of Distributed Multi-Agent Systems using Fluid Abstraction. <b>2018</b> ,		3
241	Sampled-Data Flocking with Application to Unmanned Rotorcraft. <b>2018</b> ,		6
240	Asymptotic Consensus on the Average of a Field for Time-Varying Nonlinear Networks Under Almost Periodic Connectivity. <b>2018</b> , 63, 2389-2404		3
239	Distributed Model Predictive Control of Spatially Interconnected Systems Using Switched Cost Functions. <b>2018</b> , 63, 2161-2167		10
238	Pose Synchronization of Multiple Rigid Bodies Under Average Dwell Time Condition. <b>2018</b> , 31, 215-233		2
237	Event-Driven Cooperative Receding Horizon Control for Multi-Agent Systems in Uncertain Environments. <b>2018</b> , 5, 409-422		14
236	Containment control of fractional-order nonlinear multi-agent systems under fixed topologies. <b>2018</b> , 35, 1027-1041		11
235	Rendezvous of multiple nonholonomic unicycles-based on backstepping. <b>2018</b> , 91, 1271-1283		5
234	A Barycentric Coordinate-Based Approach to Formation Control Under Directed and Switching Sensing Graphs. <b>2018</b> , 48, 1202-1215		25
233	Model-Based Reinforcement Learning in Differential Graphical Games. <b>2018</b> , 5, 423-433		19
232	Multiple source seeking via distributed sample-variance control of swarm robots. <b>2018</b> , 35, 1263-1280		1

231	Leader-Follower Navigation in Obstacle Environments While Preserving Connectivity Without Data Transmission. <b>2018</b> , 26, 1233-1248		19
230	Stochastic Distributed Predictive Tracking Control for Networks of Autonomous Systems With Coupling Constraints. <b>2018</b> , 5, 1412-1423		4
229	Post-disaster assessment with unmanned aerial vehicles: A survey on practical implementations and research approaches. <b>2018</b> , 35, 459-490		20
228	Exact Solutions for the Carrier-Vehicle Traveling Salesman Problem. <b>2018</b> , 52, 320-330		11
227	Consensus-Based Cooperative Formation Control for Multi-quadcopter System With Unidirectional Network Connections. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2018</b> , 140,	1.6	10
226	A Novel Sequence Weighting Method for First-Order Consensus Problems. <b>2018</b> ,		
225	Distributed Coverage Control of Mobile Sensors: Generalized Approach using Distance Functions. <b>2018</b> ,		0
224	Integral Terminal Sliding-Mode Formation Control for Uncertain Heterogeneous Networked Mecanum-Wheeled Omnidirectional Robots. <b>2018</b> ,		2
223	Leader-Follower Formation Control of Mobile Sensor Robots for Cable Tunnel Inspection. <b>2018</b> ,		1
222	Distributed formation control for a leader-follower structure on directed graphs with a model unknown leader. <b>2018</b> ,		0
221	A Constrained Coordination Control Strategy for Multi-Agent Systems. <b>2018</b> ,		
220	Voronoi-Based Deployment of Multi-Agent Systems. <b>2018</b> ,		3
219	On consensus protocols allowing joint-agent interactions. <b>2018</b> ,		1
218	A Novel Autonomous Trajectory Control for Vehicular Cyber-Physical Systems with Flocking Control Algorithms. <b>2018</b> ,		4
217	Optimal Reorganization of a Formation of Nonholonomic Agents Using Shortest Paths. <b>2018</b> ,		1
216	Discrete-time Sliding Mode Control for Leader Following Discrete-time Multi-Agent System. <b>2018</b> ,		10
215	Multi-Robot Virtual Structure Switching and Formation Changing Strategy in an Unknown Occluded Environment. <b>2018</b> ,		7
214	Smooth Formation Switching of the Multiple Robots in Bilateral Teleoperation Systems. <b>2018</b> ,		1

213	Robust Coordinated Formation Control of Multiple Vessels with Disturbance and Time Delay. <b>2018,</b>	
212	Relative and inertial attitude determination in three-vehicle long formations. <b>2018,</b>	
211	An Intelligent-Based Multiplicative Actuator Fault Estimation and Accommodation of Nonlinear Cooperative Systems. <b>2018,</b>	0
210	Distributed Cooperative Optimal Load-Sharing Control for Coupled Parallel-Connected Dynamical Systems. <b>2018,</b>	
209	Consensus-Based control for unmanned aerial vehicle formation with speed adaptability. <b>2018,</b>	0
208	3D Robots Formation cooperative Control Using EFDs. <b>2018,</b>	
207	Fuzzy Sliding-Mode Consensus Formation Control of Networked Heterogeneous Mecanum-Wheeled Multi-Robots with Dynamic Effects. <b>2018,</b>	3
206	NMPC-based Visual Leader-Follower Formation Control for Wheeled Mobile Robots. <b>2018,</b>	4
205	Approximations for Implicitly-Defined Dynamics of Networks of Simple Mechanical Components. <b>2018,</b>	1
204	Continuum Deformation of a Multiple Quadcopter Payload Delivery Team without Inter-Agent Communication. <b>2018,</b>	2
203	Cooperative aerial lift and manipulation (CALM). <b>2018,</b> 82-83, 105-118	13
202	Voronoi-based UAVs Formation Deployment and Reconfiguration using MPC Techniques. <b>2018,</b>	4
201	Consensus controller for multi-UAV navigation. <b>2018,</b> 16, 110-121	14
200	Neurodynamics-based leader-follower formation tracking of multiple nonholonomic vehicles. <b>2018,</b> 38, 548-557	3
199	Decision Making in Multiagent Systems: A Survey. <b>2018,</b> 10, 514-529	60
198	An air traffic control simulator for test and development of airspace management schemes. <b>2018,</b>	2
197	A Survey on Aerial Swarm Robotics. <b>2018,</b> 34, 837-855	179
196	Distributed model predictive control for vessel train formations of cooperative multi-vessel systems. <b>2018,</b> 92, 101-118	54

195	Differential Graphical Games. <b>2018</b> , 149-193	0
194	A Follower-Based Control Allocation in Multi-Agent Networks. <b>2018</b> ,	0
193	Multiagent Systems. <b>2018</b> , 313-338	1
192	Tracking Control for Stochastic Multi-Agent Systems Based on Hybrid Event-Triggered Mechanism. <b>2019</b> , 21, 2352-2363	11
191	Stable and Flexible Multi-Vehicle Navigation Based on Dynamic Inter-Target Distance Matrix. <b>2019</b> , 20, 1416-1431	10
190	Adaptive consensus control of nonlinear fractional-order multi-agent systems with a leader. <b>2019</b> ,	1
189	A Petri Net approach to consensus in networks with joint-agent interactions. <b>2019</b> , 110, 108466	7
188	Formation control for a string of interconnected second-order systems via target feedback. <b>2019</b> , 356, 8521-8541	0
187	An Evolutionary Game Coordinated Control Approach to Division of Labor in Multi-Agent Systems. <b>2019</b> , 7, 124295-124308	4
186	Novel wireless charging algorithms to charge mobile wireless sensor network by using reinforcement learning. <b>2019</b> , 1, 1	5
185	Coverage control of multi-agent systems with different entry times. <b>2019</b> , 41, 2985-2996	1
184	Observer-Based Bipartite Consensus of Linear Multi-Agent Systems With Measurement Noises. <b>2019</b> , 7, 75360-75366	4
183	Single-Agent Indirect Herding of Multiple Targets With Uncertain Dynamics. <b>2019</b> , 35, 847-860	11
182	Generating the Minimal Optimal Language for Cooperative Agents. <b>2019</b> , 7, 60348-60358	1
181	Robust Synchronization of Multiple Marine Vessels With Time-Variant Disturbance and Communication Delays. <b>2019</b> , 7, 39680-39689	6
180	Cooperative Heterogeneous Multi-Robot Systems. <b>2019</b> , 52, 1-31	79
179	Automatic load maneuvering and hold-back with multiple coordinated DP vessels. <b>2019</b> , 178, 357-374	3
178	Introduction. <b>2019</b> , 3-24	

177	A Game-theoretical Approach for a Finite-time Consensus of Second-order Multi-agent System. <b>2019</b> , 17, 1071-1083	4
176	Consensus of uncertain multi-agent systems with input delay and disturbances. <b>2019</b> , 13, 367-377	5
175	Decentralized Autonomous Unmanned Aerial Vehicle Swarm Formation and Flight Control. <b>2019</b> , 197-219	
174	Distributed Optimization of Multi-Robot Motion with Time-Energy Criterion. <b>2019</b> ,	2
173	Controllability of Multi-Agent Systems over Signed Graphs. <b>2019</b> ,	0
172	Energy-Efficient Flocking Control: A Distributed Least-Informed Method. <b>2019</b> ,	0
171	Observer-Based Leader-Follower Tracking Control for High-Order Multi-Agent Systems with Limited Measurement Information. <b>2019</b> ,	0
170	A Centralized Extended Kalman Filter for Cooperative Localization of Munition Swarms. <b>2019</b> ,	
169	Guaranteed Voronoi-based Deployment for Multi-Agent Systems under Uncertain Measurements. <b>2019</b> ,	3
168	On-the-Fly Decentralized Tasking of Autonomous Vehicles. <b>2019</b> ,	5
167	Distributed Formation Control for Multi-quadrotor System. <b>2019</b> ,	1
166	Hierarchic Stabilization of Flying Convex-Path-Following Formations Part I: Fully-Actuated Agents. <b>2019</b> , 52, 346-351	
165	Output sign-consensus of heterogeneous linear multi-agent systems. <b>2019</b> ,	
164	Formation Tracking of Heterogeneous UGV-UAV Systems with Switching Directed Topologies. <b>2019</b> ,	3
163	A 2-D Coverage-based Guidance Algorithm for the Multi-stage Cooperative Interception. <b>2019</b> ,	0
162	Performance of Consensus and Formation Control subject to Bernoulli, Slotted Aloha and IEEE 802.11p Simulation Models. <b>2019</b> ,	1
161	Sensing-Based Distributed State Estimation for Cooperative Multiagent Systems. <b>2019</b> , 64, 2368-2382	10
160	Consensus of Multi-Agent Systems With Heterogeneous Input Saturation Levels. <b>2019</b> , 66, 1053-1057	15



159	The contribution of force feedback to human performance in the teleoperation of multiple unmanned aerial vehicles. <b>2019</b> , 13, 335-342	2
158	Formation Control of Fixed-Wing Unmanned Aircraft: Theory and Experiments. <b>2019</b> ,	5
157	Neural Networks-Based Distributed Adaptive Control of Nonlinear Multiagent Systems. <b>2020</b> , 31, 1010-1021	76
156	Decentralized MPC for UAVs Formation Deployment and Reconfiguration with Multiple Outgoing Agents. <b>2020</b> , 97, 155-170	7
155	Sampled-position states based consensus of networked multi-agent systems with second-order dynamics subject to communication delays. <b>2020</b> , 509, 36-46	12
154	Decentralized Heading Control With Rate Constraints Using Pulse-Coupled Oscillators. <b>2020</b> , 7, 1090-1102	
153	Robust Cooperative Output Regulation of Heterogeneous Uncertain Linear Multiagent Systems With Time-Varying Communication Topologies. <b>2020</b> , 65, 4340-4347	2
152	Velocity and Input Constrained Coordination of Second-Order Multi-Agent Systems With Relative Output Information. <b>2020</b> , 7, 1925-1938	14
151	PSO Based Integral Backstepping Control for Leader-Follower Quadrotors. <b>2020</b> ,	1
150	Event-triggered Multi-agent Optimal Regulation Using Adaptive Dynamic Programming. <b>2020</b> ,	1
149	The Bionics and Its Application in Energy Management Strategy of Plug-In Hybrid Electric Vehicle Formation. <b>2020</b> , 1-15	0
148	A networked predictive controller for linear multi-agent systems with communication time delays. <b>2020</b> , 357, 9442-9466	4
147	Distributed Output-Feedback Adaptive Fuzzy Leader-Following Consensus of Stochastic Nonlinear Interconnected Multiagent Systems. <b>2020</b> , 1-13	2
146	Research on Leader-Follower Cooperative for Multi-Unmanned Surface Vehicles Based on Sigmoid Method. <b>2020</b> ,	
145	Damage modeling and detection for a tree network using fractional-order calculus. <b>2020</b> , 101, 875-891	1
144	Robust ADP-based solution of a class of nonlinear multi-agent systems with input saturation and collision avoidance constraints. <b>2020</b> , 107, 52-62	2
143	Designing Event-Triggered Observers for Distributed Tracking Consensus of Higher-Order Multiagent Systems. <b>2020</b> , PP,	0
142	Hierarchical Decomposition-Based Distributed Full States Tracking Consensus for High-Order Nonlinear Multiagent Systems. <b>2020</b> , 1-12	

141	Fault Tolerant Controller for Formation Flight of Leader-Follower Quadrotors. <b>2020</b> ,	
140	A Dynamic Quasi-Taylor Approach for Distributed Consensus Problems with Packet Loss. <b>2020</b> ,	1
139	Fast Convergent Flocking Control of Multi-Agent Systems with Switching Communication Topology. <b>2020</b> ,	
138	Decentralized Control for the Multiple Agents in Strict Feedback Form. <b>2020</b> , 8, 194850-194857	0
137	Distributed Control Design for Heterogeneous Interconnected Systems. <b>2020</b> , 1-1	0
136	Self-Aware Swarm Navigation in Autonomous Exploration Missions. <b>2020</b> , 108, 1168-1195	11
135	Unmanned Aerial Vehicles (UAVs): Collision Avoidance Systems and Approaches. <b>2020</b> , 8, 105139-105155	48
134	Risk-informed reliability improvement optimization for verification and validation planning based on set covering modeling. <b>2020</b> , 1748006X1989829	2
133	Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies. <b>2020</b> , 69, 3615-3627	7
132	Potential Field Method Parameters Tuning Using Fuzzy Inference System for Adaptive Formation Control of Multi-Mobile Robots. <b>2020</b> , 9, 10	2
131	Cooperative Control and Optimization. <b>2020</b> , 2, e37	
130	Optimal Multi-Agent Search and Rescue Using Potential Field Theory. <b>2020</b> ,	0
129	PDE-based multi-agent formation control using flatness and backstepping: Analysis, design and robot experiments. <b>2020</b> , 115, 108897	20
128	Optimization, Learning, and Control for Interdependent Complex Networks. <b>2020</b> ,	1
127	Cognitive swarming in complex environments with attractor dynamics and oscillatory computing. <b>2020</b> , 114, 269-284	5
126	An overview of collaborative robotic manipulation in multi-robot systems. <b>2020</b> , 49, 113-127	19
125	A proposed decentralized formation control algorithm for robot swarm based on an optimized potential field method. <b>2021</b> , 33, 487-499	1
124	An Overview of Recent Advances in Coordinated Control of Multiple Autonomous Surface Vehicles. <b>2021</b> , 17, 732-745	83

123	Intelligent Leader-Following Consensus Formation Control Using Recurrent Neural Networks for Small-Size Unmanned Helicopters. <b>2021</b> , 51, 1288-1301	20
122	Autonomous quadrotor collision avoidance and destination seeking in a GPS-denied environment. <b>2021</b> , 45, 99-118	0
121	Survey on Cooperative Control for Waterborne Transport. <b>2021</b> , 13, 71-90	8
120	Distributed Cooperative MPC for Autonomous Driving in Different Traffic Scenarios. <b>2021</b> , 6, 299-309	3
119	Cooperative Pursuit Control for Multiple Underactuated Underwater Vehicles with Time Delay in Three-Dimensional Space. <b>2021</b> , 39, 1101-1115	4
118	Exact and Heuristic Algorithms for the Carrier Vehicle Traveling Salesman Problem. <b>2021</b> , 55, 101-121	4
117	Adaptive Consensus Tracking Control of Uncertain Nonlinear Multiagent Systems With Predefined Accuracy. <b>2021</b> , 51, 405-415	30
116	Event-Triggered/Self-Triggered Leader-Following Control of Stochastic Nonlinear Multiagent Systems Using High-Gain Method. <b>2021</b> , 51, 2969-2978	9
115	Gauss's Principle with Inequality Constraints for Multi-agent Navigation and Control. <b>2021</b> , 1-1	1
114	Synchronization of Geophysically-Driven Oscillators with Short-Range Interaction. <b>2021</b> , 1-1	1
113	Autonomous Vehicle Allocation Based on Clutter Assessment. <b>2021</b> ,	
112	A Proposal for Regional Division and Index of Choosing Agent Number by Heterogeneous Multiagent System with Multiplicatively Weighted Voronoi Tessellation. <b>2021</b> , 57, 120-127	
111	Distributed Adaptive Leader-Following Consensus for Nonlinear Multiagent Systems With Actuator Failures Under Directed Switching Graphs. <b>2021</b> , PP,	0
110	Set-Membership Filtering-Based Leader-Follower Synchronization of Discrete-Time Linear Multi-Agent Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2021</b> , 143,	1.6
109	Energy-Efficient Navigation of an Autonomous Swarm with Adaptive Consciousness. <b>2021</b> , 13, 1059	5
108	Resilient Flocking Control for Connected and Automated Vehicles With Cyber-Attack Threats. <b>2021</b> , 1,	0
107	Observer-Based Leader Follower Network Multi-Motor Drive: An Agent-Based Coordination Control Approach. <b>2021</b> , 46, 9725-9734	
106	Flocking Control of Multi-Agent Systems With Permanent Obstacles in Strictly Confined Environments. <b>2021</b> , 1,	1

105	Fixed time steps discrete-time sliding mode consensus protocols for two degree of freedom helicopter systems. <b>2021</b> , 43, 3322-3334		1
104	Finite time asymmetric bipartite consensus for multi-agent systems based on iterative learning control. <i>International Journal of Robust and Nonlinear Control</i> , <b>2021</b> , 31, 5708-5724	3.6	2
103	Leader-Following Regional Multiple-Bipartite Consensus for Networked Lagrangian Systems with Competition Interactions. <b>2021</b> , 13, 920		0
102	Online decentralized decision making with inequality constraints: An ADMM approach. <b>2021</b> ,		
101	Invariant Set Distributed Explicit Reference Governors for Provably Safe On-Board Control of Nano-Quadrotor Swarms. <b>2021</b> , 8, 663809		3
100	Modeling and simulation of tasks interactions using graphical interface. <b>2021</b> ,		
99	Aerial Swarms: Recent Applications and Challenges.. <b>2021</b> , 2, 1-12		8
98	Characterization of Degenerate Configurations in Attitude Determination of Three-Vehicle Heterogeneous Formations. <b>2021</b> , 21,		1
97	A Novel Hierarchical Flocking Control Framework for Connected and Automated Vehicles. <b>2021</b> , 22, 4801-4812		
96	. <b>2021</b> , 15, 3759-3768		0
95	Reliable controller for nonlinear multiagent system with additive time varying delay and nonlinear actuator faults.		1
94	Online Decentralized Decision Making With Inequality Constraints: An ADMM approach. <b>2021</b> , 5, 2156-2161		1
93	An agent based observer model of the networked DC drives for speed coordination. <b>2022</b> , 413, 126633		0
92	Distributed Event-Triggered Adaptive Coordinated Trajectory Tracking Control of Multi-USVs Based on the Aggregate Tracking Error. <b>2021</b> , 9, 26802-26810		2
91	A Resilient Consensus Protocol for Networks With Heterogeneous Confidence and Byzantine Adversaries. <b>2021</b> , 1-1		
90	Minimal Switching Time of Agent Formations with Collision Avoidance. <b>2010</b> , 305-321		2
89	Control of Cooperative Unmanned Aerial Vehicles: Review of Applications, Challenges, and Algorithms. <b>2020</b> , 229-255		4
88	Barrier Function Based Consensus of High-Order Nonlinear Multi-agent Systems with State Constraints. <b>2019</b> , 492-503		2

87	A Summarization of Collision Avoidance Techniques for Autonomous Navigation of UAV. <b>2020</b> , 393-401	4
86	Navigation of Autonomous Swarm of Drones Using Translational Coordinates. <b>2020</b> , 353-362	7
85	HumanSwarm Interactions via Coverage of Time-Varying Densities. <b>2017</b> , 357-385	12
84	Model Predictive Control of Vehicle Formations. <b>2009</b> , 371-384	13
83	Coordinated Path Following for Mobile Robots. <b>2009</b> , 185-192	4
82	A Centralized Framework to Multi-robots Formation Control: Theory and Application. <b>2011</b> , 85-98	11
81	Experiments on Intercontinental Haptic Control of Multiple UAVs. <b>2013</b> , 227-238	5
80	Generation of Trajectories Using Predictive Control for Tracking Consensus with Sensing and Connectivity Constraint. <b>2014</b> , 19-37	1
79	Consensus of fractional-order multi-agent systems with impulsive disturbance. <b>2019</b> , 52, 174-178	2
78	. <b>2020</b> , 108, 1953-1967	5
77	Cognitive swarming: an approach from the theoretical neuroscience of hippocampal function. <b>2019</b> ,	2
76	Potential Game Theoretic Approach to Power-Aware Mobile Sensor Coverage Problem. <b>2011</b> , E94-A, 929-936	5
75	A Survey of Recent Progress in the Study of Distributed High-Order Linear Multi-Agent Coordination. <b>2014</b> , 18, 83-92	3
74	Stability Analysis of Multi-robot System Based on Network Communication. <b>2011</b> , 36, 1706-1710	1
73	(Un)conditional consensus emergence under perturbed and decentralized feedback controls. <b>2015</b> , 35, 4071-4094	26
72	Multi-Robot Swarm for Cooperative Scalar Field Mapping. <b>2020</b> , 208-223	1
71	Robust Region Tracking for Swarms via a Novel Utilization of Sliding Mode Control. <b>2012</b> , 03, 98-109	3
70	Genetic Algorithm Based Decentralized Task Assignment for Multiple Unmanned Aerial Vehicles in Dynamic Environments. <b>2011</b> , 12, 163-174	21

- 69 Leader-Following  $H_{\infty}$  Fault-Tolerant Consensus of Nonlinear Multi-agent Systems with External Disturbances. **2021**,
- 68 Modified Cooperative Adaptive Cruise Control Strategy for Optimizing Cooperative Driving in Freeway Weaving Segments. 036119812110513 0
- 67 Multi-Agent Control: A Graph-Theoretic Perspective. **2021**, 34, 1973-2002 1
- 66 Recent progress on the study of multi-vehicle coordination in cooperative attack and defense: An overview. 0
- 65 Formation Control over Delayed Communication Network. **2009**, 59-74
- 64 Cyclic Pursuit Based Formation Control for Cooperative Target-enclosing. **2009**, 45, 160-167
- 63 Cooperative Control of Multi-robot Nonholonomic Systems with Dynamics Uncertainties and Control Time-Delays. **2009**, 477-489
- 62 Hybrid Control Structure for Multi-robot Formation. **2010**, 307-316
- 61 A Consensus Protocol for Multi-agent Systems with Double Integrator Model. **2010**, 157-165
- 60 Task Assignment of Multiple UAVs using MILP and GA. **2010**, 38, 427-436 3
- 59 Optimal Formation Switching with Collision Avoidance and Allowing Variable Agent Velocities. **2012**, 207-224 0
- 58 Performance Prediction in Uncertain Multi-Agent Systems Using  $(L_1)$  Adaptation-Based Distributed Event-Triggering. **2012**, 171-193
- 57 Encyclopedia of Sustainability Science and Technology. **2012**, 2463-2489
- 56 Formation Control of a Networked Multi-Robot System Considering Limitation of Communication Range. **2012**, 30, 881-888
- 55 A Closed-Loop Bid Adjustment Method of Dynamic Task Allocation of Robots. **2013**, 81-94
- 54 Distributed  $H_{\infty}$  Coordination of Multi-agent Systems with Directed Switching Topology and Time-delay. **2012**, 7,
- 53 Distributed Consensus and Coordination Control of Networked Multi-agent Systems. **2013**, 51-68 2
- 52 Transportation Technologies for Sustainability. **2013**, 311-337

51	Consensus Tracking of Stochastic Multi-agent Systems Based on Sampled-data. <b>2013</b> , 12, 696-703	
50	Development of Multi Haptic Control Environments for Tele-operating Robot System. <b>2013</b> , 16, 689-699	
49	Cooperative Tasks Using Teams of Mobile Robots. <b>2014</b> , 83-99	0
48	Autonomous Coverage Expansion of Mobile Agents via Cooperative Control and Cooperative Communication. <b>2014</b> , 222-234	
47	Introduction to Synchronization in Nature and Physics and Cooperative Control for Multi-Agent Systems on Graphs. <b>2014</b> , 1-21	3
46	Modified Consensus Based Auction Algorithm for Task Allocation of Multiple Unmanned Aerial Vehicle. <b>2014</b> , 23, 197-202	3
45	Formation Control for Multi-agent Systems by Using Self-equilibrium Condition. <b>2015</b> , 51, 744-754	
44	Online Trajectory Planning Method for Multi-Vehicle System Considering Network Connectivity and Collision Avoidance Simultaneously. <b>2015</b> , 8, 15-21	2
43	A Parallel and a Distributed Implementation of the Core Paths Graph Algorithm. <b>2015</b> , 417-426	
42	A Centralized Approach to the Coordination of Marine Robots. <b>2015</b> , 567-576	
41	Inverse Optimal Adaptive Consensus Control of Multi-Agent Systems Based on $H^\infty$ Control Criterion. <b>2015</b> , 8, 341-347	2
40	Global Reconfiguration of a Team of Networked Mobile Robots Among Obstacles. <b>2016</b> , 639-656	1
39	Control Problems Involving Mixed-Integer Decision Making. <b>2016</b> , 57-89	
38	Multiple Extrema Seeking by Swarm Robots Based on Distributed Optimization. <b>2016</b> , 29, 155-161	1
37	Introduction. <b>2016</b> , 1-9	
36	Network Layer Control System: Consensus-Based Control, Theoretical Results and Performance Issues. <b>2017</b> , 13-27	
35	Comparative Study of Adaptive Consensus Control of Euler-Lagrange Systems on Directed Network Graph. <b>2017</b> , 2, 1165-1171	
34	Distributed Estimation of Articulation Node Importance for Robustness of Multi-Robot Systems. <b>2018</b> ,	

- 33 Formation Control of Multi-agent Systems with Self-equilibrium Force by Using Parallel Virtual Springs. **2019**, 55, 466-475
- 32 Switched system approach to distributed guaranteed cost control for interconnected systems with communication unreliability. **2019**, 13, 1863-1871 1
- 31 Characterizing Network Controllability and Observability for Abstractions and Realizations of Dynamic Networks. **2020**, 53, 10987-10993 1
- 30 Voronoi-based Geometric Distributed Fleet Control of a Multi-Robot System. **2020**, 0
- 29 Hierarchic distributed stabilization of a class of three-dimensional formations for underactuated agents. **2021**, 15, 472-488
- 28 A Novel Formation Creation Algorithm for Heterogeneous Vehicles in Highway Scenarios: Assessment and Experimental Validation. **2020**, 53, 15300-15305
- 27 Hierarchical Needs Based Self-Adaptive Framework For Cooperative Multi-Robot System. **2020**, 2
- 26 Distributed Estimation of an Uncertain Environment using Belief Consensus and Measurement Sharing.
- 25 Semi-Global Leader-Follower Consensus of Linear Multi-Agent System Via Time-varying Gain. **2020**,
- 24 Formation Control Method of Multiple UAVs Within Considering Collision Avoidance. **2022**, 5251-5263
- 23 Cooperative Synchronization Control and Filtering. **2022**, 343-389
- 22 Multi-agent Collaborative Adaptive Cruise Control Based On Reinforcement Learning. **2021**, 0
- 21 Distributed Adaptive Controller for Output-Synchronization of Networked Strict Feedback Systems with Dead-Zone Nonlinearity with Application in the Voltage Equalization Control of Ultra-Capacitor Type Power Source. **2021**,
- 20 The Consensus Research on a Class of Event-Triggered Multi-Agent System. **2021**,
- 19 Extended Event-Triggered Consensus Strategy for Linear Multi-Agent Systems Based on Condensation Graph. **2021**,
- 18 Consensus of Discrete-Time Nonlinear Multiagent Systems Using Sliding Mode Control Based on Optimal Control. **2022**, 10, 47275-47283 3
- 17 Time optimal control for a mobile robot with a communication objective. **2022**, 201, 96-120
- 16 Cooperative Multilift Slung Load Transportation Using Haptic Admittance Control Guidance. *Journal of Guidance, Control, and Dynamics*, 1-14 2.1 1



15	High-order leader-follower tracking control under limited information availability. <i>International Journal of Robust and Nonlinear Control</i> ,	3.6
14	Resilient Cooperative Control of Input Constrained Networked Cyber-Physical Systems. <b>2022</b> , 267-298	
13	A feedback control design for rendezvous of the Cucker-Smale model on the unit circle. <b>2022</b> ,	0
12	Task Allocation Using a Team of Robots.	
11	Cooperative pointing control of collinear double-integrators without angular velocity. <b>2022</b> ,	0
10	Introduction. <b>2023</b> , 1-7	0
9	Guaranteed performance impulsive tracking control of multi-agents systems under discrete-time deception attacks. <b>2022</b> , 106905	0
8	A Review on Cooperative Control Problems of Multi-agent Systems. <b>2022</b> ,	0
7	Distributed Output-Feedback Bipartite Consensus for Stochastic Nonlinear Multiagent Systems Under Directed Switching Networks. <b>2022</b> , 1-10	0
6	Adaptive Spacing Policy Design of Flocking Control for Multi-agent Vehicular Systems. <b>2022</b> , 55, 524-529	1
5	Decentralized modular hybrid supervisory control for the formation of unmanned helicopters.	0
4	Cooperative consensus control of two semi-submersible platforms connected by a telescopic gangway.	0
3	Performance Improvement in Kalman Filters Due to Cooperation for Multi-agent Systems Under Identical Noise. <b>2022</b> ,	1
2	An interdisciplinary approach to high school curriculum development: Swarming Powered by Neuroscience. <b>2022</b> ,	0
1	Distributed adaptive controller for the cooperative control of networked parametric strict feedback systems. 095965182311589	0