

# Lihua Xie

## 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.

685  
papers

23,293  
citations

73  
h-index

132  
g-index

839  
ext. papers

30,141  
ext. citations

4.2  
avg, IF

7.78  
L-index

#	Paper	IF	Citations
684	CAUTION: A Robust WiFi-based Human Authentication System via Few-shot Open-set Gait Recognition. <i>IEEE Internet of Things Journal</i> , <b>2022</b> , 1-1	9.6	
683	Image-based microstructure classification of mortar and paste using convolutional neural networks and transfer learning. <i>Cement and Concrete Composites</i> , <b>2022</b> , 129, 104496	8.5	
682	3D Network Localization Using Angle Measurements and Reduced Communication. <i>IEEE Transactions on Signal Processing</i> , <b>2022</b> , 1-1	4.3	
681	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.2	0
680	How vulnerable is innovation-based remote state estimation: Fundamental limits under linear attacks. <i>Automatica</i> , <b>2022</b> , 136, 110079	5.1	1
679	Flexible and Resource-Efficient Multi-Robot Collaborative Visual-Inertial-Range Localization. <i>IEEE Robotics and Automation Letters</i> , <b>2022</b> , 7, 928-935	3.9	
678	EfficientFi: Towards Large-Scale Lightweight WiFi Sensing via CSI Compression. <i>IEEE Internet of Things Journal</i> , <b>2022</b> , 1-1	9.6	1
677	DIRECT: A Differential Dynamic Programming Based Framework for Trajectory Generation. <i>IEEE Robotics and Automation Letters</i> , <b>2022</b> , 7, 2439-2446	3.9	
676	Distributed Proximal Algorithms for Multiagent Optimization With Coupled Inequality Constraints. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 1223-1230	5.1	8
675	Review on Advanced Control Technologies for Bidirectional DC/DC Converters in DC Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 1205-1221	5	47
674	. <i>IEEE Transactions on Sustainable Energy</i> , <b>2021</b> , 12, 273-283	7.7	7
673	Stator End-Winding Thermal and Magnetic Sensor Arrays for Online Stator Inter-Turn Fault Detection. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 5312-5321	3.7	6
672	Angle-Displacement Rigidity Theory With Application to Distributed Network Localization. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 2574-2587	5.1	7
671	Survey on Localization Systems and Algorithms for Unmanned Systems. <i>Unmanned Systems</i> , <b>2021</b> , 09, 129-163	2.7	12
670	Computing Probabilistic Controlled Invariant Sets. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 3138-3151	3.3	1
669	Distributed Online Optimization for Multi-Agent Networks With Coupled Inequality Constraints. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 3575-3591	5.1	9
668	Optimal Control and Stabilization for Networked Systems With Input Delay and Markovian Packet Losses. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 4453-4465	6.3	3

667	Risk-Aware Optimal Control for Automated Overtaking With Safety Guarantees. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 1-13	4.3	
666	Distributed Online Convex Optimization with an Aggregative Variable. <i>IEEE Transactions on Control of Network Systems</i> , <b>2021</b> , 1-1	3.5	1
665	Linear Quadratic Optimal Control for Discrete-time Mean-field Systems with Input Delay. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.1	0
664	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.2	1
663	Chance Constrained Scheduling and Pricing for Multi-Service Battery Energy Storage. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 1-1	10	3
662	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2021</b> , 1-1	3.3	6
661	Decentralized Control for Networked Control Systems with Asymmetric Information. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.1	3
660	Minimum-Degree Distributed Graph Filter Design. <i>IEEE Transactions on Signal Processing</i> , <b>2021</b> , 69, 1083-1096	4.96	
659	Advancing Imbalanced Domain Adaptation: Cluster-Level Discrepancy Minimization With a Comprehensive Benchmark. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	8.4	
658	Distributed Formation Maneuver Control of Multiagent Systems Over Directed Graphs. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	8.4	1
657	Invariant cover: Existence, cardinality bounds, and computation. <i>Automatica</i> , <b>2021</b> , 129, 109588	5.1	
656	Practical output consensus of nonlinear heterogeneous multi-agent systems with limited data rate. <i>Automatica</i> , <b>2021</b> , 129, 109624	5.1	2
655	Unconstrained tracking MPC for continuous-time nonlinear systems. <i>Automatica</i> , <b>2021</b> , 129, 109680	5.1	
654	. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 9453-9464	6.6	7
653	A new extended state observer for uncertain nonlinear systems. <i>Automatica</i> , <b>2021</b> , 131, 109772	5.1	5
652	Optimal Control for Stochastic Systems With Multiple Controllers of Different Information Structures. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 4160-4175	5.1	1
651	Adaptive Observation-Based Efficient Reinforcement Learning for Uncertain Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	8.5	1
650	Differentially Private Distributed Nash Equilibrium Seeking for Aggregative Games. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.1	3

649	VIRAL-Fusion: A Visual-Inertial-Ranging-Lidar Sensor Fusion Approach. <i>IEEE Transactions on Robotics</i> , <b>2021</b> , 1-20	5.9	5
648	A Behavior-Based Mobile Robot Navigation Method with Deep Reinforcement Learning. <i>Unmanned Systems</i> , <b>2021</b> , 09, 201-209	2.7	1
647	Lightweight 3-D Localization and Mapping for Solid-State LiDAR. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 6, 1801-1807	3.9	8
646	Intensity-SLAM: Intensity Assisted Localization and Mapping for Large Scale Environment. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 6, 1715-1721	3.9	5
645	Efficient Trajectory Planning for Multiple Non-Holonomic Mobile Robots via Prioritized Trajectory Optimization. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 6, 405-412	3.9	5
644	Range-Focused Fusion of Camera-IMU-UWB for Accurate and Drift-Reduced Localization. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 6, 1678-1685	3.9	13
643	Erratum to <a href="#">A Hierarchically Coordinated Operation and Control Scheme for DC Microgrid Clusters Under Uncertainty</a> [Jan 21 273-283]. <i>IEEE Transactions on Sustainable Energy</i> , <b>2021</b> , 12, 1497-1497	7.7	
642	Robust adversarial discriminative domain adaptation for real-world cross-domain visual recognition. <i>Neurocomputing</i> , <b>2021</b> , 433, 28-36	5.1	3
641	Coordinate-free Circumnavigation of a Moving Target via a PD-like Controller. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2021</b> , 1-1	3.3	0
640	An enhanced UAV safety control scheme against attacks on desired trajectory. <i>Aerospace Science and Technology</i> , <b>2021</b> , 119, 107212	4.8	
639	Distributed multi-robot sweep coverage for a region with unknown workload distribution. <i>Autonomous Intelligent Systems</i> , <b>2021</b> , 1, 1		
638	F-LOAM : Fast LiDAR Odometry and Mapping <b>2021</b> ,		6
637	Reset Moving Horizon Estimation for Quantized Discrete Time Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 4199-4205	5.1	10
636	Learning decomposed hierarchical feature for better transferability of deep models. <i>Information Sciences</i> , <b>2021</b> , 580, 385-397	7.2	
635	Bearing-only distributed localization: A unified barycentric approach. <i>Automatica</i> , <b>2021</b> , 133, 109834	5.1	1
634	Multimodal CSI-based Human Activity Recognition using GANs. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	9.6	5
633	GarbageNet: A Unified Learning Framework for Robust Garbage Classification. <i>IEEE Transactions on Artificial Intelligence</i> , <b>2021</b> , 1-1	3.1	4
632	Time-Synchronized Control for Disturbed Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	8.4	1

631	Design and Experimental Evaluation of a Hierarchical Controller for an Autonomous Ground Vehicle With Large Uncertainties. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 1-13	4.3	
630	Distributed Aggregative Optimization over Multi-Agent Networks. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.1	2
629	Temporal Logic Trees for Model Checking and Control Synthesis of Uncertain Discrete-time Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.1	
628	MILIOM: Tightly Coupled Multi-Input Lidar-Inertia Odometry and Mapping. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 6, 5573-5580	3.9	2
627	Optimal Control and Stabilization for ITS Systems with Input Delay. <i>Journal of Systems Science and Complexity</i> , <b>2021</b> , 34, 1895-1926	0.9	0
626	Necessary and Sufficient Conditions for Leader-Following Bipartite Consensus With Measurement Noise. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 1976-1981	6.3	37
625	WiFi Fingerprinting Indoor Localization Using Local Feature-Based Deep LSTM. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 3001-3010	3.9	45
624	Ultra-Wideband and Odometry-Based Cooperative Relative Localization With Application to Multi-UAV Formation Control. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 2590-2603	8.4	57
623	Preview-Based Discrete-Time Dynamic Formation Control Over Directed Networks via Matrix-Valued Laplacian. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 1251-1263	8.4	6
622	Simultaneous cooperative relative localization and distributed formation control for multiple UAVs. <i>Science China Information Sciences</i> , <b>2020</b> , 63, 1	3	12
621	Distributed Continuous-Time Nonsmooth Convex Optimization With Coupled Inequality Constraints. <i>IEEE Transactions on Control of Network Systems</i> , <b>2020</b> , 7, 74-84	3.5	14
620	Discrete-Time and Discrete-Space Dynamical Systems. <i>Communications and Control Engineering</i> , <b>2020</b> ,	0.5	1
619	Single Landmark Distance-Based Navigation. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 2021-2028	4.3	14
618	Ratio-of-Distance Rigidity Theory With Application to Similar Formation Control. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 2598-2611	5.1	6
617	Distributed Consensus Over Markovian Packet Loss Channels. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 279-286	5.1	4
616	Distributed Online Convex Optimization With Time-Varying Coupled Inequality Constraints. <i>IEEE Transactions on Signal Processing</i> , <b>2020</b> , 68, 731-746	4.3	24
615	Machine learning driven personal comfort prediction by wearable sensing of pulse rate and skin temperature. <i>Building and Environment</i> , <b>2020</b> , 170, 106615	6.5	25
614	Relative Docking and Formation Control via Range and Odometry Measurements. <i>IEEE Transactions on Control of Network Systems</i> , <b>2020</b> , 7, 912-922	3.5	5

613	Active disturbance rejection control for uncertain time-delay nonlinear systems. <i>Automatica</i> , <b>2020</b> , 112, 108692	5.1	28
612	Persistently Excited Adaptive Relative Localization and Time-Varying Formation of Robot Swarms. <i>IEEE Transactions on Robotics</i> , <b>2020</b> , 36, 553-560	5.9	9
611	Data rate for output feedback consensus of uncertain nonlinear multiagent systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 5430-5445	3.3	2
610	Multiple observers based anti-disturbance control for a quadrotor UAV against payload and wind disturbances. <i>Control Engineering Practice</i> , <b>2020</b> , 102, 104560	3.6	37
609	Distributed algorithms for computing a fixed point of multi-agent nonexpansive operators. <i>Automatica</i> , <b>2020</b> , 122, 109286	5.1	1
608	Distributed Bandit Online Convex Optimization With Time-Varying Coupled Inequality Constraints. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 1-1	5.1	2
607	3-D Distributed Localization With Mixed Local Relative Measurements. <i>IEEE Transactions on Signal Processing</i> , <b>2020</b> , 68, 5869-5881	4.3	3
606	Tightly-Coupled Single-Anchor Ultra-wideband-Aided Monocular Visual Odometry System <b>2020</b> ,		6
605	Intensity Scan Context: Coding Intensity and Geometry Relations for Loop Closure Detection <b>2020</b> ,		25
604	Tightly-coupled ultra-wideband-aided monocular visual SLAM with degenerate anchor configurations. <i>Autonomous Robots</i> , <b>2020</b> , 44, 1519-1534	2.8	6
603	. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 1-1	10	15
602	Nontracking type iterative learning control based on economic model predictive control. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 8564-8582	3.3	0
601	Cooperative Pursuit With Multi-Pursuer and One Faster Free-Moving Evader. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	8.4	6
600	Adversarial Learning-Enabled Automatic WiFi Indoor Radio Map Construction and Adaptation With Mobile Robot. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 6946-6954	9.6	11
599	MobileDA: Toward Edge-Domain Adaptation. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 6909-6918	9.6	7
598	Remote State Estimation With Stochastic Event-Triggered Sensor Schedule and Packet Drops. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 4981-4988	5.1	9
597	Graph Optimization Approach to Range-Based Localization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-12	6.3	12
596	An Online Approach to Physical Watermark Design. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 3895-3902	5.1	3

595	Loosely-Coupled Ultra-wideband-Aided Scale Correction for Monocular Visual Odometry. <i>Unmanned Systems</i> , <b>2020</b> , 08, 179-190	2.7	8
594	Distributed Drone Traffic Coordination Using Triggered Communication. <i>Unmanned Systems</i> , <b>2020</b> , 08, 1-20	2.7	4
593	Online Visual Place Recognition via Saliency Re-identification <b>2020</b> ,		2
592	Online Trajectory Correction and Tracking for Facade Inspection Using Autonomous UAV <b>2020</b> ,		2
591	Mind the Discriminability: Asymmetric Adversarial Domain Adaptation. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 589-606	0.8	3
590	Invertibility and Nonsingularity of Boolean Control Networks. <i>Communications and Control Engineering</i> , <b>2020</b> , 59-86	0.5	
589	Observability and Detectability of Large-Scale Boolean Control Networks. <i>Communications and Control Engineering</i> , <b>2020</b> , 117-142	0.5	
588	Ensuring safety for vehicle parking tasks using Hamilton-Jacobi reachability analysis <b>2020</b> ,		2
587	An Optimal Linear Attack Strategy on Remote State Estimation. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 3527-3532	0.7	1
586	Multilayer formation control of multi-agent systems. <i>Automatica</i> , <b>2019</b> , 109, 108558	5.1	39
585	Learning Gestures From WiFi: A Siamese Recurrent Convolutional Architecture. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 10763-10772	9.6	28
584	Bearing-ratio-of-distance rigidity theory with application to directly similar formation control. <i>Automatica</i> , <b>2019</b> , 109, 108540	5.1	10
583	Minimal Strongly Eventually Positive Realization for a Class of Externally Positive Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 4314-4320	5.1	2
582	Distributed optimal consensus of multiple double integrators under bounded velocity and acceleration. <i>Control Theory and Technology</i> , <b>2019</b> , 17, 85-98	0.9	6
581	Distributed continuous-time algorithm for a general nonsmooth monotropic optimization problem. <i>International Journal of Robust and Nonlinear Control</i> , <b>2019</b> , 29, 3252-3266	3.3	10
580	A feedforward neural network based indoor-climate control framework for thermal comfort and energy saving in buildings. <i>Applied Energy</i> , <b>2019</b> , 248, 44-53	10.5	78
579	Reset control for synchronization of multi-agent systems. <i>Automatica</i> , <b>2019</b> , 104, 189-195	5.1	16
578	A Unified Strategy for Solution Seeking in Graphical $\mathcal{N}$ -Coalition Noncooperative Games. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 4645-4652	5.1	25

577	Time-varying formation tracking for uncertain second-order nonlinear multi-agent systems. <i>Frontiers of Information Technology and Electronic Engineering</i> , <b>2019</b> , 20, 76-87	2.2	6
576	Consensusability of Discrete-Time Multiagent Systems With Communication Delay and Packet Dropouts. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 1185-1192	5.1	22
575	A Dual Splitting Approach for Distributed Resource Allocation With Regularization. <i>IEEE Transactions on Control of Network Systems</i> , <b>2019</b> , 6, 403-414	3.5	11
574	. <i>IEEE Transactions on Control of Network Systems</i> , <b>2019</b> , 6, 163-175	3.5	18
573	Bipartite tracking of homogeneous and heterogeneous linear multi-agent systems. <i>International Journal of Control</i> , <b>2019</b> , 92, 2963-2972	1.4	20
572	Integrated UWB-Vision Approach for Autonomous Docking of UAVs in GPS-denied Environments <b>2019</b> ,		14
571	Distance-Based Cooperative Relative Localization for Leader-Following Control of MAVs. <i>IEEE Robotics and Automation Letters</i> , <b>2019</b> , 4, 3641-3648	3.9	16
570	Robust self-triggered control for time-varying and uncertain constrained systems via reachability analysis. <i>Automatica</i> , <b>2019</b> , 107, 574-581	5.1	1
569	Decentralized control for linear systems with multiple input channels. <i>Science China Information Sciences</i> , <b>2019</b> , 62, 1	3	16
568	Distributed Output Feedback Consensus of Uncertain Nonlinear Multi-Agent Systems With Limited Data Rate <b>2019</b> ,		3
567	Remote State Estimation with Stochastic Event-triggered Sensor Schedule in the Presence of Packet Drops <b>2019</b> ,		2
566	Revolutional Neural Networks <b>2019</b> ,		19
565	Stochastic Modeling and Optimal Control for Automated Overtaking <b>2019</b> ,		2
564	On the Wireless Extension of PROFINET Networks <b>2019</b> ,		2
563	MPC-based Unified Trajectory Planning and Tracking Control Approach for Automated Guided Vehicles* <b>2019</b> ,		6
562	<b>2019</b> ,		2
561	Fast Loop Closure Detection via Binary Content <b>2019</b> ,		2
560	Relative Docking via Range-only Measurements <b>2019</b> ,		1



559	A Novel Ensemble ELM for Human Activity Recognition Using Smartphone Sensors. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 2691-2699	10.8	50
558	Feedforward Control With Disturbance Prediction for Linear Discrete-Time Systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>2019</b> , 27, 2340-2350	4.3	2
557	Set Stabilization of Probabilistic Boolean Networks Using Pinning Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 2555-2561	8.5	22
556	Performance evaluation of industrial Ethernet protocols for networked control application. <i>Control Engineering Practice</i> , <b>2019</b> , 84, 208-217	3.6	9
555	On the Sample Complexity of Multichannel Frequency Estimation via Convex Optimization. <i>IEEE Transactions on Information Theory</i> , <b>2019</b> , 65, 2302-2315	2.6	7
554	Consensusability of Multiagent Systems With Delay and Packet Dropout Under Predictor-Like Protocols. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 3506-3513	5.1	19
553	Convex Optimization Based State Estimation Against Sparse Integrity Attacks. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 2383-2395	5.1	15
552	A Novel Reduced-Order Protocol for Consensus Control of Linear Multiagent Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 3005-3012	5.1	17
551	A Hierarchical Heuristic Approach for Solving Air Traffic Scheduling and Routing Problem With a Novel Air Traffic Model. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2019</b> , 20, 3421-3434	5.2	6
550	Finite-time path following control for a stratospheric airship with input saturation and error constraint. <i>International Journal of Control</i> , <b>2019</b> , 92, 368-393	1.4	44
549	Integrated Relative Localization and Leader-Follower Formation Control. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 20-34	5.1	56
548	A Bregman Splitting Scheme for Distributed Optimization Over Networks. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 3809-3824	5.1	19
547	Stochastic Channel Allocation for Nonlinear Systems with Markovian Packet Dropout. <i>Journal of Systems Science and Complexity</i> , <b>2018</b> , 31, 22-37	0.9	3
546	Event-Triggered Output Regulation of Heterogeneous Multiagent Networks. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 4429-4434	5.1	38
545	Building occupancy estimation and detection: A review. <i>Energy and Buildings</i> , <b>2018</b> , 169, 260-270	6.9	109
544	SMR drive performance analysis under different workload environments. <i>Control Engineering Practice</i> , <b>2018</b> , 75, 86-97	3.6	1
543	Random forest based thermal comfort prediction from gender-specific physiological parameters using wearable sensing technology. <i>Energy and Buildings</i> , <b>2018</b> , 166, 391-406	6.9	61
542	Necessary and sufficient conditions for distributed constrained optimal consensus under bounded input. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 2619-2635	3.3	7

541	High-Precision Multi-UAV Teaming for the First Outdoor Night Show in Singapore. <i>Unmanned Systems</i> , <b>2018</b> , 06, 39-65	2.7	13
540	Dynamic Formation Control Over Directed Networks Using Graphical Laplacian Approach. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 3761-3774	5.1	23
539	Mitigating Quantization Effects on Distributed Sensor Fusion: A Least Squares Approach. <i>IEEE Transactions on Signal Processing</i> , <b>2018</b> , 66, 3459-3474	4.3	11
538	Online stator end winding thermography using infrared sensor array <b>2018</b> ,		2
537	Feasibility for Utilizing IEEE 802.15.4 Compliant Radios Inside Rotating Electrical Machines for Wireless Condition Monitoring Applications. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 4293-4302	3.7	4
536	A New Distributed Model Predictive Control for Unconstrained Double-Integrator Multiagent Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 4367-4374	5.1	17
535	Hybrid Storage Systems: A Survey of Architectures and Algorithms. <i>IEEE Access</i> , <b>2018</b> , 6, 13385-13406	3.2	10
534	Stochastic self-triggered model predictive control for linear systems with probabilistic constraints. <i>Automatica</i> , <b>2018</b> , 92, 9-17	5.1	19
533	Stability of discrete-time positive switched linear systems with stable and marginally stable subsystems. <i>Automatica</i> , <b>2018</b> , 91, 294-300	5.1	17
532	Event-Triggered Quantized Communication-Based Distributed Convex Optimization. <i>IEEE Transactions on Control of Network Systems</i> , <b>2018</b> , 5, 167-178	3.5	39
531	Event-Triggered Communication and Data Rate Constraint for Distributed Optimization of Multiagent Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2018</b> , 48, 1908-1919	6.3	68
530	Error-Constrained LOS Path Following of a Surface Vessel With Actuator Saturation and Faults. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2018</b> , 48, 1794-1805	6.3	105
529	Fast convex optimization method for frequency estimation with prior knowledge in all dimensions. <i>Signal Processing</i> , <b>2018</b> , 142, 271-280	4.1	5
528	Convergence of Asynchronous Distributed Gradient Methods Over Stochastic Networks. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 434-448	5.1	59
527	Distributed nonlinear model predictive control based on contraction theory. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 492-503	3.3	6
526	Received Signal Strength Based Indoor Positioning Using a Random Vector Functional Link Network. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 1846-1855	10.8	35
525	Mean square consensus of multi-agent systems over fading networks with directed graphs. <i>Automatica</i> , <b>2018</b> , 95, 503-510	5.1	12
524	Device-Free Occupant Activity Sensing Using WiFi-Enabled IoT Devices for Smart Homes. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 3991-4002	9.6	73

523	General linear forward and backward Stochastic difference equations with applications. <i>Automatica</i> , <b>2018</b> , 96, 40-50	5.1	6
522	DeepSense: Device-Free Human Activity Recognition via Autoencoder Long-Term Recurrent Convolutional Network <b>2018</b> ,		24
521	Mean-Square Stabilization Over Gaussian Finite-State Markov Channels. <i>IEEE Transactions on Control of Network Systems</i> , <b>2018</b> , 5, 1830-1840	3.5	11
520	CareFi: Sedentary Behavior Monitoring System via Commodity WiFi Infrastructures. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 7620-7629	6.1	25
519	WiFi-enabled Device-free Gesture Recognition for Smart Home Automation <b>2018</b> ,		10
518	Stability of continuous-time positive switched linear systems: A weak common copositive Lyapunov functions approach. <i>Automatica</i> , <b>2018</b> , 97, 278-285	5.1	43
517	Fine-grained adaptive location-independent activity recognition using commodity WiFi <b>2018</b> ,		11
516	WinLight: A WiFi-based occupancy-driven lighting control system for smart building. <i>Energy and Buildings</i> , <b>2018</b> , 158, 924-938	6.9	74
515	Sparse methods for direction-of-arrival estimation <b>2018</b> , 509-581		37
514	Robust finite-time connectivity preserving coordination of second-order multi-agent systems. <i>Automatica</i> , <b>2018</b> , 89, 21-27	5.1	41
513	Thermal comfort prediction using normalized skin temperature in a uniform built environment. <i>Energy and Buildings</i> , <b>2018</b> , 159, 426-440	6.9	63
512	Adaptive Trajectory Tracking Control of a Fully Actuated Surface Vessel With Asymmetrically Constrained Input and Output. <i>IEEE Transactions on Control Systems Technology</i> , <b>2018</b> , 26, 1851-1859	4.3	131
511	Frequency-selective Vandermonde decomposition of Toeplitz matrices with applications. <i>Signal Processing</i> , <b>2018</b> , 142, 157-167	4.1	12
510	An Integrated Localization-Navigation Scheme for Distance-Based Docking of UAVs <b>2018</b> ,		10
509	Ratio-of-Distance Rigidity in Distributed Formation Control <b>2018</b> ,		1
508	Average Case Analysis of Compressive Multichannel Frequency Estimation Using Atomic Norm Minimization <b>2018</b> ,		1
507	A Hybrid Collision Avoidance Algorithm for Multi-Agent Traffic Coordination Under Limited Communication <b>2018</b> ,		1
506	Convolutional Neural Network and Kernel Methods for Occupant Thermal State Detection using Wearable Technology <b>2018</b> ,		1

505	Distributed Consensus over Markovian Packet Loss Channels. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 94-99	0.7	2
504	Least-square based recursive optimization for distance-based source localization <b>2018</b> ,		2
503	Triggered Communication for Reciprocal Collision Avoidance in Multi-agent Navigation <b>2018</b> ,		2
502	Model-free Approach for Sensor Network Localization with Noisy Distance Measurement <b>2018</b> ,		4
501	Post-Mission Autonomous Return and Precision Landing of UAV <b>2018</b> ,		6
500	Correlation Flow: Robust Optical Flow Using Kernel Cross-Correlators <b>2018</b> ,		8
499	Robust Target-Relative Localization with Ultra-Wideband Ranging and Communication <b>2018</b> ,		18
498	Robust consensus of uncertain linear multi-agent systems via dynamic output feedback. <i>Automatica</i> , <b>2018</b> , 98, 114-123	5.1	22
497	Robust WiFi-Enabled Device-Free Gesture Recognition via Unsupervised Adversarial Domain Adaptation <b>2018</b> ,		14
496	Distributed Continuous-Time Algorithms for Nonsmooth Extended Monotropic Optimization Problems. <i>SIAM Journal on Control and Optimization</i> , <b>2018</b> , 56, 3973-3993	1.8	25
495	Event-triggered control for a saturated nonlinear system with prescribed performance and finite-time convergence. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 5312-5325	3.3	17
494	. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 1-1	5.1	7
493	Non-iterative SLAM <b>2017</b> ,		10
492	Achieving linear convergence for distributed optimization with zeno-like-free event-triggered communication scheme <b>2017</b> ,		2
491	Rotor mounted wireless sensors for condition monitoring of brushless synchronous generator <b>2017</b> ,		2
490	Ultra-wideband based cooperative relative localization algorithm and experiments for multiple unmanned aerial vehicles in GPS denied environments. <i>International Journal of Micro Air Vehicles</i> , <b>2017</b> , 9, 169-186	0.8	52
489	Design of output-feedback protocols for robust consensus of uncertain linear multi-agent systems <b>2017</b> ,		4
488	Range-based cooperative localization with single landmark <b>2017</b> ,		5

487	Asynchronous periodic event-triggered consensus for multi-agent systems. <i>Automatica</i> , <b>2017</b> , 84, 214-220	5.1	55
486	FreeDetector: Device-Free Occupancy Detection with Commodity WiFi <b>2017</b> ,		25
485	Solution to Discrete-Time Linear FBSDEs with Application to Stochastic Control Problem. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 6602-6607	5.1	3
484	A survey on recent progress in control of swarm systems. <i>Science China Information Sciences</i> , <b>2017</b> , 60, 1	3	56
483	Robust finite-time connectivity preserving consensus tracking and formation control for multi-agent systems <b>2017</b> ,		2
482	Convergence rate analysis of distributed optimization with projected subgradient algorithm. <i>Automatica</i> , <b>2017</b> , 83, 162-169	5.1	39
481	Output Regulation of Boolean Control Networks. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 2993-2998	5.1	67
480	An input-based triggering approach to leader-following problems. <i>Automatica</i> , <b>2017</b> , 75, 221-228	5.1	120
479	Decentralized Multi-UAV Flight Autonomy for Moving Convoys Search and Track. <i>IEEE Transactions on Control Systems Technology</i> , <b>2017</b> , 25, 1480-1487	4.3	51
478	Heterogeneous consensus of higher-order multi-agent systems with mismatched uncertainties using sliding mode control. <i>International Journal of Robust and Nonlinear Control</i> , <b>2017</b> , 27, 2303-2320	3.3	36
477	WinIPS: WiFi-Based Non-Intrusive Indoor Positioning System With Online Radio Map Construction and Adaptation. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 8118-8130	8.6	87
476	Multiple Kernel Representation Learning for WiFi-Based Human Activity Recognition <b>2017</b> ,		6
475	A novel approach to time-varying formation control <b>2017</b> ,		1
474	Barrier coverage by heterogeneous sensor network with input saturation <b>2017</b> ,		4
473	A deep look at SMR performance via simulation approach <b>2017</b> ,		1
472	FreeCount: Device-Free Crowd Counting with Commodity WiFi <b>2017</b> ,		36
471	Ultra-wideband aided fast localization and mapping system <b>2017</b> ,		28
470	A dual splitting algorithm for distributed resource allocation problems <b>2017</b> ,		1

469	End-to-End Delay Evaluation of Industrial Automation Systems Based on EtherCAT <b>2017</b> ,		3
468	On the Wireless Extension of EtherCAT Networks <b>2017</b> ,		1
467	Asynchronously compensated synchronization algorithm for multiple harmonic oscillators with communication delay. <i>International Journal of Robust and Nonlinear Control</i> , <b>2017</b> , 27, 281-297	3:3	9
466	Mean Square Stabilization of Linear Discrete-Time Systems Over Power-Constrained Fading Channels. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 6505-6512	5:1	12
465	Analysis of Price of Total Anarchy in Congestion Games via Smoothness Arguments. <i>IEEE Transactions on Control of Network Systems</i> , <b>2017</b> , 4, 876-885	3:5	3
464	Synchronization of the Delayed Vicsek Model. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 5866-5872	5:2	2
463	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2017</b> , 18, 2681-2692	5:2	23
462	Performance analysis of averaging based distributed estimation algorithm with additive quantization model. <i>Automatica</i> , <b>2017</b> , 80, 95-101	5:1	5
461	Output-feedback protocols without controller interaction for consensus of homogeneous multi-agent systems: A unified robust control view. <i>Automatica</i> , <b>2017</b> , 81, 37-45	5:1	40
460	Off-Policy Reinforcement Learning for Synchronization in Multiagent Graphical Games. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 2434-2445	8:5	71
459	Iterative Constrained Weighted Least Squares Source Localization Using TDOA and FDOA Measurements. <i>IEEE Transactions on Signal Processing</i> , <b>2017</b> , 65, 3990-4003	4:3	69
458	Controllability of Multiagent Networks With Antagonistic Interactions. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 5457-5462	5:1	37
457	On Gridless Sparse Methods for Multi-snapshot Direction of Arrival Estimation. <i>Circuits, Systems, and Signal Processing</i> , <b>2017</b> , 36, 3370-3384	2:1	10
456	Stochastic Channel Allocation for Networked Control Systems <b>2017</b> , 1, 176-181		6
455	. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 6065-6072	5:1	5
454	On Stochastic Sensor Network Scheduling for Multiple Processes. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 6633-6640	5:1	10
453	Accurate indoor localization and tracking using mobile phone inertial sensors, WiFi and iBeacon <b>2017</b> ,		50
452	Adaptive Localization in Dynamic Indoor Environments by Transfer Kernel Learning <b>2017</b> ,		32

451	Distributed Guidance for Interception by Using Multiple Rotary-Wing Unmanned Aerial Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 5648-5656	8.2	21
450	Multiparty Consensus of Linear Heterogeneous Multiagent Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 5578-5589	5.1	25
449	On stabilization and set stabilization of multivalued logical systems. <i>Automatica</i> , <b>2017</b> , 80, 41-47	5.1	48
448	On load balancing strategies for baggage screening at airports. <i>Journal of Air Transport Management</i> , <b>2017</b> , 62, 82-89	5	4
447	Event-triggered distributed constrained consensus. <i>International Journal of Robust and Nonlinear Control</i> , <b>2017</b> , 27, 3043-3060	3.3	10
446	Machine learning based prediction of thermal comfort in buildings of equatorial Singapore <b>2017</b> ,		16
445	Non-intrusive occupancy sensing in commercial buildings. <i>Energy and Buildings</i> , <b>2017</b> , 154, 633-643	6.9	57
444	Output-feedback H <sub>∞</sub> consensus of linear multi-agent systems over general directed graphs <b>2017</b> ,		1
443	Standardizing location fingerprints across heterogeneous mobile devices for indoor localization <b>2016</b> ,		20
442	Dynamic Multidimensional Scaling Algorithm for 3-D Mobile Localization. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2016</b> , 65, 2853-2865	4.6	21
441	Reset control for multi-agent systems <b>2016</b> ,		3
440	Consensus of homogeneous multi-agent systems via output-feedback protocols without controller interaction: A unified robust control view <b>2016</b> ,		2
439	Iterative source localization based on TDOA and FDOA measurements <b>2016</b> ,		1
438	Constrained consensus with multiplicative noises <b>2016</b> ,		1
437	A model-based control of CO2 concentration in multi-zone ACB air-conditioning systems <b>2016</b> ,		3
436	Communication Aware Optimal Sensor Motion Coordination for Source Localization. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2016</b> , 65, 2505-2514	4.6	7
435	A weighted atomic norm approach to spectral super-resolution with probabilistic priors <b>2016</b> ,		3
434	. <i>IEEE Transactions on Information Theory</i> , <b>2016</b> , 62, 3685-3701	2.6	105

433	Exact Joint Sparse Frequency Recovery via Optimization Methods. <i>IEEE Transactions on Signal Processing</i> , <b>2016</b> , 64, 5145-5157	4-3	97
432	Robust consensus tracking for a class of high-order multi-agent systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 578-598	3-3	20
431	Distributed L2-gain output-feedback control of homogeneous and heterogeneous systems. <i>Automatica</i> , <b>2016</b> , 71, 361-368	5-1	51
430	<b>2016</b> ,		5
429	Synchronization of a class of nonlinear network flow systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 565-577	3-3	3
428	Enhancing Sparsity and Resolution via Reweighted Atomic Norm Minimization. <i>IEEE Transactions on Signal Processing</i> , <b>2016</b> , 64, 995-1006	4-3	101
427	Quantized identification of ARMA systems with colored measurement noise. <i>Automatica</i> , <b>2016</b> , 66, 101-108	5-8	16
426	Finite automata approach to observability of switched Boolean control networks. <i>Nonlinear Analysis: Hybrid Systems</i> , <b>2016</b> , 19, 186-197	4-2	25
425	. <i>IEEE Transactions on Signal Processing</i> , <b>2016</b> , 64, 742-756	4-3	8
424	Ultra-Wideband-Based Localization for Quadcopter Navigation. <i>Unmanned Systems</i> , <b>2016</b> , 04, 23-34	2-7	59
423	Nash Equilibrium Computation in Subnetwork Zero-Sum Games With Switching Communications. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 2920-2935	5-1	49
422	On robust control invariance of Boolean control networks. <i>Automatica</i> , <b>2016</b> , 68, 392-396	5-1	72
421	Distributed constrained optimal consensus of multi-agent systems. <i>Automatica</i> , <b>2016</b> , 68, 209-215	5-1	132
420	Optimal TDOA Sensor-Pair Placement With Uncertainty in Source Location. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 9260-9271	6-1	33
419	Distributed non-cooperative robust MPC based on reduced-order models. <i>Control Theory and Technology</i> , <b>2016</b> , 14, 11-20	0-9	1
418	A Robust Indoor Positioning System Based on the Procrustes Analysis and Weighted Extreme Learning Machine. <i>IEEE Transactions on Wireless Communications</i> , <b>2016</b> , 15, 1252-1266	8-6	100
417	Quantized Leaderless and Leader-Following Consensus of High-Order Multi-Agent Systems With Limited Data Rate. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 2432-2447	5-1	54
416	Energy-Efficient Data Forwarding for State Estimation in Multi-Hop Wireless Sensor Networks. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 1322-1327	5-1	23



415	An efficient convex constrained weighted least squares source localization algorithm based on TDOA measurements. <i>Signal Processing</i> , <b>2016</b> , 119, 142-152	4.1	51
414	An integrated plant/control design method and application in hard disk drives. <i>International Journal of Systems Science</i> , <b>2016</b> , 47, 644-651	2.1	2
413	BlueDetect: An iBeacon-Enabled Scheme for Accurate and Energy-Efficient Indoor-Outdoor Detection and Seamless Location-Based Service. <i>Sensors</i> , <b>2016</b> , 16, 268	3.6	59
412	MapSentinel: Can the Knowledge of Space Use Improve Indoor Tracking Further?. <i>Sensors</i> , <b>2016</b> , 16,	3.6	11
411	Consensusability of discrete-time linear multi-agent systems over analog fading networks. <i>Automatica</i> , <b>2016</b> , 71, 292-299	5.1	19
410	Necessary and sufficient conditions for bounded distributed mean square tracking of multi-agent systems with noises. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 631-645	3.3	12
409	State Feedback Stabilization Over Finite-State Fading Channels. <i>Asian Journal of Control</i> , <b>2016</b> , 18, 1052-1061	1.6	8
408	Spectral compressed sensing of real spikes <b>2016</b> ,		1
407	Consensus-Based Parallel Extreme Learning Machine for Indoor Localization <b>2016</b> ,		8
406	Distributed constrained optimal consensus under fixed time delays <b>2016</b> ,		1
405	On assuming Mean Radiant Temperature equal to air temperature during PMV-based thermal comfort study in air-conditioned buildings <b>2016</b> ,		10
404	Quantized control of nonlinear quadratic discrete-time systems <b>2016</b> ,		2
403	Stochastic sensor scheduling for multiple dynamical processes over a shared channel <b>2016</b> ,		1
402	Robust occupancy inference with commodity WiFi <b>2016</b> ,		19
401	A forward-backward Bregman splitting scheme for regularized distributed optimization problems <b>2016</b> ,		3
400	Resilience and Performance Analysis for State Estimation against Integrity Attacks. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 55-60	0.7	2
399	Distributed Constrained Consensus with Distance-dependent Measurement Noises. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 234-239	0.7	2
398	Optimal Consensus of Euler-Lagrangian Systems with Kinematic Constraints. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 327-332	0.7	9

397	Distributed flight routing and scheduling in air traffic flow management <b>2016,</b>		2
396	A transfer kernel learning based strategy for adaptive localization in dynamic indoor environments <b>2016,</b>		1
395	Modified winding function approach to stator fault modelling of synchronous generator <b>2016,</b>		3
394	Recent developments in control and optimization of swarm systems: A brief survey <b>2016,</b>		5
393	Mean square stabilization of vector LTI systems over power constrained lossy channels <b>2016,</b>		2
392	A hierarchical distributed MPC for HVAC systems <b>2016,</b>		6
391	Online fuzzy logic control with decision tree for improving hybrid cache performance & symposia <b>2016,</b>		4
390	Towards a unified resilience analysis: State estimation against integrity attacks <b>2016,</b>		5
389	Reset control of multi-agent systems with double integrator dynamics <b>2016,</b>		1
388	Dynamic modeling of a liquid desiccant dehumidifier. <i>Applied Energy</i> , <b>2016</b> , 180, 435-445	10.5	24
387	Robust Extreme Learning Machine With its Application to Indoor Positioning. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 194-205	8.4	69
386	A fast and precise indoor localization algorithm based on an online sequential extreme learning machine. <i>Sensors</i> , <b>2015</b> , 15, 1804-24	3.6	94
385	Integrated multi-agent system framework: decentralised search, tasking and tracking. <i>IET Control Theory and Applications</i> , <b>2015</b> , 9, 493-502	2.3	26
384	Decentralised dynamic games for large population stochastic multi-agent systems. <i>IET Control Theory and Applications</i> , <b>2015</b> , 9, 503-510	2.3	8
383	Fusion of WiFi, smartphone sensors and landmarks using the Kalman filter for indoor localization. <i>Sensors</i> , <b>2015</b> , 15, 715-32	3.6	240
382	Kalman Filtering with Scheduled Measurements. <i>Communications and Control Engineering</i> , <b>2015</b> , 269-291	6.5	
381	Distributed Projection-Based Algorithms for Source Localization in Wireless Sensor Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2015</b> , 14, 3131-3142	8.6	58
380	A mutual information based online access point selection strategy for WiFi indoor localization <b>2015</b>		19

379	An improved stability condition for Kalman filtering with bounded Markovian packet losses. <i>Automatica</i> , <b>2015</b> , 62, 32-38	5.1	14
378	Distributed Parameter Estimation With Quantized Communication via Running Average. <i>IEEE Transactions on Signal Processing</i> , <b>2015</b> , 63, 4634-4646	4.3	16
377	Achieving high resolution for super-resolution via reweighted atomic norm minimization <b>2015</b> ,		8
376	A Riccati equation approach to cooperative output regulation of heterogeneous multi-agent systems <b>2015</b> ,		2
375	TDOA-Based Source Localization With Distance-Dependent Noises. <i>IEEE Transactions on Wireless Communications</i> , <b>2015</b> , 14, 468-480	8.6	90
374	Consensus based constrained optimization for multi-agent systems <b>2015</b> ,		3
373	Averaging based distributed estimation algorithm for rate-constrained sensor networks with additive quantization model <b>2015</b> ,		1
372	On Gridless Sparse Methods for Line Spectral Estimation From Complete and Incomplete Data. <i>IEEE Transactions on Signal Processing</i> , <b>2015</b> , 63, 3139-3153	4.3	153
371	Passive UHF far-field RFID based localization in smart rack <b>2015</b> ,		8
370	Analysis of Price of Anarchy in Traffic Networks With Heterogeneous Price-Sensitivity Populations. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015</b> , 23, 2227-2237	4.3	4
369	Optimization-based state estimation under bounded disturbances <b>2015</b> ,		5
368	Averaging based distributed estimation algorithm for sensor networks with quantized and directed communication <b>2015</b> ,		3
367	Optimal Parameter Estimation Under Controlled Communication Over Sensor Networks. <i>IEEE Transactions on Signal Processing</i> , <b>2015</b> , 63, 6473-6485	4.3	19
366	Analysis and Design of Networked Control Systems. <i>Communications and Control Engineering</i> , <b>2015</b> ,	0.5	6
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364	Collective behavior of mobile agents with state-dependent interactions. <i>Automatica</i> , <b>2015</b> , 51, 394-401	5.1	15
363	Optimal controller location in wireless networked control systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2015</b> , 25, 301-319	3.3	9
362	Containment control of leader-following multi-agent systems with Markovian switching network topologies and measurement noises. <i>Automatica</i> , <b>2015</b> , 51, 263-267	5.1	73

361	Distributed Filtering-Based Autonomous Navigation System of UAV. <i>Unmanned Systems</i> , <b>2015</b> , 03, 17-34	2.7	5
360	Distributed consensus of discrete-time multi-agent systems with multiplicative noises. <i>International Journal of Robust and Nonlinear Control</i> , <b>2015</b> , 25, 3113-3131	3.3	46
359	Output tracking control of Boolean control networks via state feedback: Constant reference signal case. <i>Automatica</i> , <b>2015</b> , 59, 54-59	5.1	108
358	Invertibility and nonsingularity of Boolean control networks. <i>Automatica</i> , <b>2015</b> , 60, 155-164	5.1	60
357	Augmented distributed gradient methods for multi-agent optimization under uncoordinated constant stepsizes <b>2015</b> ,		87
356	Stabilization of Linear Systems via Infinite-Level Logarithmic Quantization. <i>Communications and Control Engineering</i> , <b>2015</b> , 123-148	0.5	
355	Data Rate Theorem for Stabilization Over Gilbert-Elliott Channels. <i>Communications and Control Engineering</i> , <b>2015</b> , 53-81	0.5	
354	Entropies and Capacities in Networked Control Systems. <i>Communications and Control Engineering</i> , <b>2015</b> , 9-28	0.5	
353	Kalman Filtering with Packet Losses. <i>Communications and Control Engineering</i> , <b>2015</b> , 239-268	0.5	
352	Stabilization of Markov Jump Linear Systems via Logarithmic Quantization. <i>Communications and Control Engineering</i> , <b>2015</b> , 175-192	0.5	
351	Parameter Estimation with Scheduled Measurements. <i>Communications and Control Engineering</i> , <b>2015</b> , 293-316	0.5	
350	Data Rate Theorem for Stabilization Over Erasure Channels. <i>Communications and Control Engineering</i> , <b>2015</b> , 39-51	0.5	
349	A Discretization-Free Sparse and Parametric Approach for Linear Array Signal Processing. <i>IEEE Transactions on Signal Processing</i> , <b>2014</b> , 62, 4959-4973	4.3	90
348	Discrete-Time H <sub>2</sub> Control Problem in Finite Horizon. <i>Mathematical Problems in Engineering</i> , <b>2014</b> , 2014, 1-7	1	2
347	Multi-agent cooperative target search. <i>Sensors</i> , <b>2014</b> , 14, 9408-28	3.6	34
346	Hysteresis modeling and compensation of PZT milliactuator in hard disk drives <b>2014</b> ,		1
345	A scenario-based distributed stochastic MPC for building temperature regulation <b>2014</b> ,		7
344	Extreme learning machine with dead zone and its application to WiFi based indoor positioning <b>2014</b> ,		2

343	Robust consensus tracking for a class of high-order multi-agent systems <b>2014,</b>		1
342	Platform and Algorithm Development for a RFID-Based Indoor Positioning System. <i>Unmanned Systems, 2014, 02, 279-291</i>	2.7	28
341	Network delay analysis of EtherCAT and PROFINET IRT protocols <b>2014,</b>		7
340	Recursive source localisation by time difference of arrival sensor networks with sensor position uncertainty. <i>IET Control Theory and Applications, 2014, 8, 2305-2315</i>	2.3	10
339	Indoor Occupant Positioning System Using Active RFID Deployment and Particle Filters <b>2014,</b>		8
338	Stability conditions based on SOS polynomials <b>2014, 61-82</b>		
337	Analysis of TOA localization with heteroscedastic noises <b>2014,</b>		10
336	A PWA approach to Takagi-Sugeno fuzzy logic systems <b>2014, 169-192</b>		
335	Fast finite-time consensus tracking for first-order multi-agent systems with unmodelled dynamics and disturbances <b>2014,</b>		5
334	Consensus of discrete-time multi-agent systems with adversaries and time delays. <i>International Journal of General Systems, 2014, 43, 402-411</i>	2	17
333	Continuous compressed sensing with a single or multiple measurement vectors <b>2014,</b>		15
332	Disturbance decoupling control design for switched Boolean control networks. <i>Systems and Control Letters, 2014, 72, 1-6</i>	2.2	35
331	Blind Channel and Source Estimation in Networked Systems. <i>IEEE Transactions on Signal Processing, 2014, 62, 4611-4626</i>	4.3	12
330	Distributed tracking control of second-order multi-agent systems under measurement noises. <i>Journal of Systems Science and Complexity, 2014, 27, 853-865</i>	0.9	11
329	A New Deterministic Identification Approach to Hammerstein Systems. <i>IEEE Transactions on Signal Processing, 2014, 62, 131-140</i>	4.3	26
328	TDOA-based adaptive sensing in multi-agent cooperative target tracking. <i>Signal Processing, 2014, 98, 186-196</i>	4.1	4
327	Deterministic Blind Identification of IIR Systems With Output-Switching Operations. <i>IEEE Transactions on Signal Processing, 2014, 62, 1740-1749</i>	4.3	5
326	Containment control of multi-agent systems by exploiting the control inputs of neighbors. <i>International Journal of Robust and Nonlinear Control, 2014, 24, 2803-2818</i>	3.3	35

325	Multi-surface sliding control for fast finite-time leader-follower consensus with high order SISO uncertain nonlinear agents. <i>International Journal of Robust and Nonlinear Control</i> , <b>2014</b> , 24, 2388-2404	3-3	93
324	Data rate for quantized consensus of high-order multi-agent systems with poles on the unit circle <b>2014</b> ,		3
323	Continuous-time Distributed Convex Optimization with Set Constraints. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 9762-9767		11
322	Discrete-time mean field games in multi-agent systems <b>2014</b> ,		6
321	Stability conditions based on PQLFs <b>2014</b> , 41-59		
320	Moving Target Positioning Based on a Distributed Camera Network. <i>Mathematical Problems in Engineering</i> , <b>2014</b> , 2014, 1-11	1	
319	Consensus condition for linear multi-agent systems over randomly switching topologies. <i>Automatica</i> , <b>2013</b> , 49, 3125-3132	5.1	169
318	Track-Following Control of Four-Bar Structured HDD via Parameter-Dependent Low-Frequency Precompensation. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 2731-2737	1.9	1
317	Continuous-time and sampled-data-based average consensus with logarithmic quantizers. <i>Automatica</i> , <b>2013</b> , 49, 3329-3336	5.1	97
316	Cooperative control of air flow for HVAC systems <b>2013</b> ,		1
315	Blind system identification using precise and quantized observations. <i>Automatica</i> , <b>2013</b> , 49, 2822-2830	5.1	10
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313	Asymptotically Optimal Parameter Estimation With Scheduled Measurements. <i>IEEE Transactions on Signal Processing</i> , <b>2013</b> , 61, 3521-3531	4.3	24
312	Containment control of discrete-time multi-agent systems based on delayed neighbours' information <b>2013</b> ,		3
311	Off-Grid Direction of Arrival Estimation Using Sparse Bayesian Inference. <i>IEEE Transactions on Signal Processing</i> , <b>2013</b> , 61, 38-43	4.3	409
310	High Bandwidth Control Design and Implementation for a Dual-Stage Actuation System With a Microthermal Actuator. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 1082-1087	1.9	6
309	Distributed Tracking Control for Linear Multiagent Systems With a Leader of Bounded Unknown Input. <i>IEEE Transactions on Automatic Control</i> , <b>2013</b> , 58, 518-523	5.1	287
308	Optimality Analysis of Sensor-Source Geometries in Heterogeneous Sensor Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2013</b> , 12, 1958-1967	8.6	40

307	Saturation Control for an MTA-Based Dual-Stage Actuation System. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 2526-2529	1.9	
306	Variational Bayesian Algorithm for Quantized Compressed Sensing. <i>IEEE Transactions on Signal Processing</i> , <b>2013</b> , 61, 2815-2824	4.3	57
305	Synchronization of discrete-time multi-agent systems on graphs using Riccati design. <i>Automatica</i> , <b>2013</b> , 49, 414-423	5.1	125
304	Input delay margin for consensusability of multi-agent systems. <i>Automatica</i> , <b>2013</b> , 49, 1816-1820	5.1	57
303	Kalman Filtering With Scheduled Measurements. <i>IEEE Transactions on Signal Processing</i> , <b>2013</b> , 61, 1520-1530	4.9	48
302	Distributed consensus of linear multi-agent systems with adaptive dynamic protocols. <i>Automatica</i> , <b>2013</b> , 49, 1986-1995	5.1	375
301	Decentralized TDOA Sensor Pairing in Multihop Wireless Sensor Networks. <i>IEEE Signal Processing Letters</i> , <b>2013</b> , 20, 181-184	2.8	27
300	Consensus of multi-agent systems with general linear dynamics via dynamic output feedback control. <i>IET Control Theory and Applications</i> , <b>2013</b> , 7, 108-115	2.3	38
299	Average strategy fictitious play with application to road pricing <b>2013</b> ,		1
298	Cooperative Search and Exploration in Robotic Networks. <i>Unmanned Systems</i> , <b>2013</b> , 01, 121-142	2.7	50
297	An RFID indoor positioning system by using weighted path loss and extreme learning machine <b>2013</b> ,		23
296	An integrative Weighted Path Loss and Extreme Learning Machine approach to Rfid based Indoor Positioning <b>2013</b> ,		15
295	Distributed consensus in noncooperative congestion games: An application to road pricing <b>2013</b> ,		12
294	Distributed tracking of second-order multi-agent systems with measurement noise <b>2013</b> ,		1
293	Optimal linear estimation for systems with transmission delays and packet dropouts. <i>IET Signal Processing</i> , <b>2013</b> , 7, 814-823	1.6	39
292	Diffusion Kalman Filtering Based on Covariance Intersection. <i>IEEE Transactions on Signal Processing</i> , <b>2012</b> , 60, 891-902	4.3	138
291	A blind deconvolution approach to ultrasound imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2012</b> , 59, 271-80	3	39
290	Blind Identification of Multi-Channel ARMA Models Based on Second-Order Statistics. <i>IEEE Transactions on Signal Processing</i> , <b>2012</b> , 60, 4415-4420	4.3	12

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280	Improved stability criteria for piecewise affine systems based on partition- and vertex-dependent Lyapunov functions <b>2012</b> ,		1
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278	Distributed Coordination of Multi-Agent Systems With Quantized-Observer Based Encoding-Decoding. <i>IEEE Transactions on Automatic Control</i> , <b>2012</b> , 57, 3023-3037	5.1	66
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254	Consensus for general multi-agent systems over random graphs <b>2011</b> ,		7

253	Kalman filtering over fading channels with both transmission failure and signal fluctuation <b>2011</b> ,		4
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248	Distributed Consensus for Multiagent Systems with Communication Delays and Limited Data Rate. <i>SIAM Journal on Control and Optimization</i> , <b>2011</b> , 49, 2239-2262	1.8	52
247	Necessary and Sufficient Conditions for Stability of Kalman Filtering with Markovian Packet Losses. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 12465-12470		1
246	State Estimation Over an Unreliable Network <b>2011</b> , 29-55		
245	Minimum Data Rate for Mean Square Stabilization of Discrete LTI Systems Over Lossy Channels. <i>IEEE Transactions on Automatic Control</i> , <b>2010</b> , 55, 2373-2378	5.1	67
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242	Feedback stabilization over stochastic multiplicative input channels: Continuous-time case <b>2010</b> ,		11
241	Consensusability of discrete-time multi-agent systems via relative output feedback <b>2010</b> ,		4
240	Infinite horizon LQR for systems with multiple delays in a single input channel. <i>Journal of Control Theory and Applications</i> , <b>2010</b> , 8, 368-374		4
239	Optimal full-order filtering for discrete-time systems with random measurement delays and multiple packet dropouts. <i>Journal of Control Theory and Applications</i> , <b>2010</b> , 8, 105-110		10
238	Optimal estimation for systems with time-varying delay. <i>IET Control Theory and Applications</i> , <b>2010</b> , 4, 1391-1398	2.3	7
237	A Factorization Approach to Sensitivity Loop Shaping for Disturbance Rejection in Hard Disk Drives. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 1220-1227	1.9	6
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234	Stabilization of Markov jump linear systems using quantized state feedback. <i>Automatica</i> , <b>2010</b> , 46, 1696-1702	5.1	93
233	Linear quadratic regulation for systems with time-varying delay. <i>International Journal of Robust and Nonlinear Control</i> , <b>2010</b> , 20, 285-300	3.3	3
232	Quantized feedback control for linear uncertain systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2010</b> , 20, 843-857	3.3	39
231	Linear quadratic tracking problem for discrete-time systems with multiple delays in single input channel. <i>International Journal of Robust and Nonlinear Control</i> , <b>2010</b> , 20, 1379-1394	3.3	9
230	Fault detection for output feedback control systems with actuator stuck faults: A steady-state-based approach. <i>International Journal of Robust and Nonlinear Control</i> , <b>2010</b> , 20, 1739-1757	3.3	24
229	A consensus approach to the assignment problem: Application to mobile sensor dispatch <b>2010</b> ,		4
228	<b>2010</b> ,		1
227	Distributed consensus for multi-agent systems with communication delays and limited data rate <b>2010</b> ,		1
226	Necessary and Sufficient Conditions for Consensusability of Discrete-time Multi-agent Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2010</b> , 43, 109-114		1
225	Average Consensus with Limited Data Rate and Switching Topologies. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2010</b> , 43, 185-190		1
224	Minimum data rate for mean square stabilization of single input discrete systems over lossy channels <b>2009</b> ,		2
223	Design and implementation of web-based DSS for online shopping mall <b>2009</b> ,		1
222	Stabilization of linear systems over networks with double-sided, finite bounded, arbitrary packet loss <b>2009</b> ,		3
221	Dynamic output feedback robust model predictive control with guaranteed quadratic boundedness <b>2009</b> ,		4
220	Finite-Level Quantized Feedback Control for Linear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 1165-1170	5.1	81
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218	Quantized stabilization of Markov jump linear systems via state feedback <b>2009</b> ,		8

217	Observer-based robust finite-time cooperative consensus control for multi-agent networks <b>2009</b> ,		5
216	Quantized consensus over expander networks and communication energy minimization <b>2009</b> ,		2
215	Diffusion scheme of distributed EM algorithm for Gaussian mixtures over random networks <b>2009</b> ,		2
214	. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2009</b> , 58, 1886-1896	4.6	138
213	Stability analysis and stabilization of networked linear systems with random packet losses. <i>Science in China Series F: Information Sciences</i> , <b>2009</b> , 52, 2053-2073		1
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211	Kalman filtering over unreliable communication networks with bounded Markovian packet dropouts. <i>International Journal of Robust and Nonlinear Control</i> , <b>2009</b> , 19, 1770-1786	3.3	46
210	Distributed model predictive control for constrained linear systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2009</b> , 20, 1285-1298	3.3	32
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207	Multi-frequency disturbance rejection via blending control technique for hard disk drives. <i>Automatica</i> , <b>2009</b> , 45, 2244-2249	5.1	5
206	Sensitivity loop shaping for disturbance rejection in hard disk drives <b>2009</b> ,		1
205	Optimal reset law design of reset control systems with application to HDD systems <b>2009</b> ,		1
204	A novel UIO-based approach for fault detection and isolation in finite frequency domain <b>2009</b> ,		2
203	Frequency-Domain Properties of Reset Systems With Application in Hard-Disk-Drive Systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>2009</b> , 17, 1446-1453	4.3	27
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201	Stability Analysis of Networked Sampled-Data Linear Systems With Markovian Packet Losses. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 1375-1381	5.1	26
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195	Simultaneous Stabilization and Robust Control of Polynomial Nonlinear Systems Using SOS Techniques. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 1892-1897	5.1	33
194	Target tracking in wireless sensor networks using compressed Kalman filter. <i>International Journal of Sensor Networks</i> , <b>2009</b> , 6, 251	0.3	20
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190	Robust and adaptive variable structure output feedback control of uncertain systems with input nonlinearity. <i>Automatica</i> , <b>2008</b> , 44, 552-559	5.1	140
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183	Stability of a Random Riccati Equation With Markovian Binary Switching. <i>IEEE Transactions on Automatic Control</i> , <b>2008</b> , 53, 1759-1764	5.1	45
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175	Peak covariance stability of Kalman filter with bounded Markovian packet losses <b>2008</b> ,		1
174	Optimal Filtering for Systems With Multiple Packet Dropouts. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2008</b> , 55, 695-699	3.1	53
173	Connections between quantized feedback control and quantized estimation <b>2008</b> ,		3
172	Robust controller design for networked control systems with uncertain time delays <b>2008</b> ,		2
171	Stabilizing Sampled-data Linear Systems with Markovian Packet Losses and Random Sampling. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 599-604		6
170	Linear Quadratic Regulation for Continuous-Time Systems with Time-Varying Delay. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 8779-8784		
169	Linear Quadratic Regulation for Discrete-time Systems with Multiple Delays in Single Input Channel. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 13336-13341		4
168	\$H_\infty\$ Control for Continuous-time Systems with Multiple Input Delays: A Smoothing Estimation Approach. <i>SICE Journal of Control Measurement and System Integration</i> , <b>2008</b> , 1, 155-164	0.2	
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160	Robust H <sub>∞</sub> filtering for linear descriptor systems with convex bounded uncertainty <b>2007,</b>		2
159	Quantized Kalman Filtering <b>2007,</b>		21
158	A Wireless Sensor Network Target Tracking System with Distributed Competition based Sensor Scheduling <b>2007,</b>		12
157	Improved Reset Control Design for a PZT Positioning Stage. <i>Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007,</i>		4
156	Optimal filtering for continuous-time linear systems with time-varying delay <b>2007,</b>		2
155	Sliding Mode Attitude and Vibration Control of Flexible Spacecraft with Actuator Dynamics <b>2007,</b>		1
154	$H_{\infty}$ Control of Discrete-Time Systems With Multiple Input Delays. <i>IEEE Transactions on Automatic Control, 2007, 52, 271-283</i>	5.1	42
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142	A Prototype Ultrasonic Sensor Network for Tracking of Moving Targets <b>2006</b> ,		3
141	A Combined Positive Position Feedback and Variable Structure Approach for Flexible Spacecraft under Input Nonlinearity <b>2006</b> ,		2
140	Accuracy Based Adaptive Sampling and Multi-Sensor Scheduling for Collaborative Target Tracking <b>2006</b> ,		2
139	Finite-Level Quantized Feedback Control for Linear Systems <b>2006</b> ,		14
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137	A robust channel estimator for DS-CDMA systems under multipath fading channels. <i>IEEE Transactions on Signal Processing</i> , <b>2006</b> , 54, 13-22	4.3	7
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9	A unified approach to linear estimation for discrete-time systems. II. $H_\infty$ estimation	3
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7	Auto-tuning of cascade control systems	1
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5	Optimal recursive state estimation for singular stochastic discrete-time systems	1
4	Robust decentralized control of interconnected uncertain linear systems	1
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