

Shuzhi Sam Ge

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.

456
papers

19,650
citations

66
h-index

132
g-index

578
ext. papers

24,526
ext. citations

4.2
avg, IF

7.62
L-index

#	Paper	IF	Citations
456	Practical Time-Synchronized Attitude Control for Disturbed Spacecraft 2022 , 221-250		
455	Time-Synchronized Spacecraft Control in Rendezvous and Docking 2022 , 189-220		
454	Time-Synchronized Stability 2022 , 11-41		
453	Time-Synchronized Consensus of Network Systems 2022 , 165-187		
452	Fixed-Time-Synchronized Control with Settling Time Estimation 2022 , 133-163		
451	Time-Synchronized Sliding Modes 2022 , 43-60		
450	Fixed-Time-Synchronized Control with Singularity Avoidance 2022 , 101-131		
449	Time-Synchronized Control for Disturbed Systems 2022 , 61-99		1
448	Robust optimal control of connected and automated vehicle platoons through improved particle swarm optimization. <i>Transportation Research Part C: Emerging Technologies</i> , 2022 , 135, 103488	8.4	2
447	A DSC approach to adaptive dynamic region-based tracking control for strict-feedback non-linear systems. <i>IET Control Theory and Applications</i> , 2022 , 16, 94	2.5	1
446	Stabilization Control for Strict-Feedback Nonlinear Systems With Time Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-12	7.3	
445	Dynamic control for LNG carrier with output constraints. <i>IET Control Theory and Applications</i> , 2022 , 16, 729-740	2.5	3
444	Space-and-time-synchronized simultaneous fully-actuated vehicle tracking/formation using cascaded prescribed-time control. <i>International Journal of Robust and Nonlinear Control</i> , 2022 , 32, 2380-2398	3.6	0
443	Long-Term Person Re-Identification Based on Appearance and Gait Feature Fusion under Covariate Changes. <i>Processes</i> , 2022 , 10, 770	2.9	1
442	Time-Synchronized Control of Chaotic Systems in Secure Communication. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2022 , 1-14	3.9	1
441	Object Activity Scene Description, Construction, and Recognition. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 5082-5092	10.2	3
440	Acceptance of Robotic Transportation in Small Workshops: A China-Iran Cross-Cultural Study. <i>Lecture Notes in Computer Science</i> , 2021 , 780-784	0.9	0

439	Stability and stabilization of a class of switched stochastic systems with saturation control. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	1
438	Operational control based on environmental detector for floating LNG connection system during side-by-side offloading operation. <i>Nonlinear Dynamics</i> , 2021 , 106, 2293	5	2
437	Observer-Based Sliding Mode Load Frequency Control of Power Systems under Deception Attack. <i>Complexity</i> , 2021 , 2021, 1-11	1.6	1
436	Time-Synchronized Tracking Control for 6-DOF Spacecraft in Rendezvous and Docking. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 1-1	3.7	1
435	Design and Fabrication of a Floating Social Robot: CeB the Social Blimp. <i>Lecture Notes in Computer Science</i> , 2021 , 660-670	0.9	
434	Simplified Optimized Backstepping Control for a Class of Nonlinear Strict-Feedback Systems With Unknown Dynamic Functions. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4567-4580	10.2	29
433	Performance-Guaranteed Fault-Tolerant Control for Uncertain Nonlinear Systems via Learning-Based Switching Scheme. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 4138-4150	10.3	6
432	Fixed-Time-Synchronized Consensus Control of Multiagent Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2021 , 8, 89-98	4	25
431	Prescribed-time control with explicit reference governor for a class of constrained cascaded systems. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 6422-6437	3.6	2
430	SharpGAN: Dynamic Scene Deblurring Method for Smart Ship Based on Receptive Field Block and Generative Adversarial Networks. <i>Sensors</i> , 2021 , 21,	3.8	5
429	Adaptive neural control for a tilting quadcopter with finite-time convergence. <i>Neural Computing and Applications</i> , 2021 , 33, 15987	4.8	2
428	Continuous predictive control based on dynamic surface design with application to trajectory tracking. <i>Applied Ocean Research</i> , 2021 , 111, 102615	3.4	3
427	Bioinspired neurodynamics based formation control for unmanned surface vehicles with line-of-sight range and angle constraints. <i>Neurocomputing</i> , 2021 , 425, 127-134	5.4	3
426	Optimized Impedance Adaptation of Robot Manipulator Interacting With Unknown Environment. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 29, 411-419	4.8	9
425	Adaptive Fuzzy Integral Sliding-Mode Control for Robust Fault-Tolerant Control of Robot Manipulators With Disturbance Observer. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 1284-1296	8.3	20
424	A Dynamic Behavior Control Framework for Physical Human-Robot Interaction. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2021 , 101, 1	2.9	3
423	Efficient Task Assignment for Multiple Vehicles With Partially Unreachable Target Locations. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 3730-3742	10.7	4
422	Adaptive Tracking for Uncertain MIMO Nonlinear Systems With Time-Varying Parameters and Bounded Disturbance. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 4479-4491	7.3	7

4 ²¹	Simultaneous-Arrival-to-Origin Convergence: Sliding-Mode Control through the Norm-Normalized Sign Function. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	10
4 ²⁰	Evidential Reasoning with Hesitant Fuzzy Belief Structures for Human Activity Recognition. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	3
4 ¹⁹	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-14	7.3	15
4 ¹⁸	Distributed Task Assignment for Multiple Robots Under Limited Communication Range. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-13	7.3	3
4 ¹⁷	Sammon's mapping regression for the quantitative analysis of glucose from both mid infrared and near infrared spectra. <i>Analytical Methods</i> , 2021 , 13, 4485-4494	3.2	
4 ¹⁶	Saturation-Tolerant Prescribed Control for a Class of MIMO Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	2
4 ¹⁵	Optimized Interaction Control for Robot Manipulator Interacting with Flexible Environment. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-1	5.5	4
4 ¹⁴	Adaptive Fuzzy Fault Tolerant Control of Uncertain MIMO Nonlinear Systems With Output Constraints and Unknown Control Directions. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	6
4 ¹³	. <i>IEEE Transactions on Artificial Intelligence</i> , 2021 , 2, 71-82	4.7	3
4 ¹²	Trajectory Generation by Chance-Constrained Nonlinear MPC With Probabilistic Prediction. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3616-3629	10.2	10
4 ¹¹	Adaptive bias RBF neural network control for a robotic manipulator. <i>Neurocomputing</i> , 2021 , 447, 213-223	3.4	16
4 ¹⁰	Analysis and Verification of Input-to-State Stability for Nonautonomous Discrete-Time Switched Systems via Semidefinite Programming. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 4452-4459	5.9	1
4 ⁰⁹	Multi-Criteria Analysis of Sensor Reliability for Wearable Human Activity Recognition. <i>IEEE Sensors Journal</i> , 2021 , 21, 19144-19156	4	1
4 ⁰⁸	UKF-Based Vehicle Pose Estimation under Randomly Occurring Deception Attacks. <i>Security and Communication Networks</i> , 2021 , 2021, 1-12	1.9	2
4 ⁰⁷	Finite-horizon robust formation-containment control of multi-agent networks with unknown dynamics. <i>Neurocomputing</i> , 2021 , 458, 403-415	5.4	1
4 ⁰⁶	Person image generation with attention-based injection network. <i>Neurocomputing</i> , 2021 , 460, 345-359	5.4	1
4 ⁰⁵	Distributed Formation Control of Multiple Euler-Lagrange Systems: A Multilayer Framework. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	2
4 ⁰⁴	Micro Flapping-Wing Vehicles Formation Control With Attitude Estimation. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	1

403	Inner-Estimating Domains of Attraction for Nonpolynomial Systems With Polynomial Differential Inclusions. <i>IEEE Transactions on Cybernetics</i> , 2020 ,	10.2	6
402	Development of a navigation performance evaluation system. <i>Science China Information Sciences</i> , 2020 , 63, 1	3-4	
401	Finite-Time Adaptive Output Feedback Control for MIMO Nonlinear Systems With Actuator Faults and Saturations. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	12
400	Estimating Minimal Domains of Attraction for Uncertain Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-12	7-3	6
399	Efficient Heuristic Algorithms for Single-Vehicle Task Planning With Precedence Constraints. <i>IEEE Transactions on Cybernetics</i> , 2020 ,	10.2	4
398	Influence of Vacancies and Grain Boundaries on the Diffusive Motion of Surface Rolling Molecules. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 16629-16643	3.8	6
397	Historical and futuristic perspectives of robotics. <i>Artificial Life and Robotics</i> , 2020 , 25, 393-399	0.6	1
396	. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 7138-7149	11.9	12
395	Dissipativity-Based Asynchronous Repetitive Control for Networked Markovian Jump Systems: 2-D System Approach. <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 1212-1224	4	2
394	State-Estimator-Based Asynchronous Repetitive Control of Discrete-Time Markovian Switching Systems. <i>Complexity</i> , 2020 , 2020, 1-13	1.6	2
393	Layered Affine Formation Control of Networked Uncertain Systems: A Fully Distributed Approach Over Directed Graphs. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	5
392	Adaptive Neural Network Control of an Airborne Robotic Manipulator System 2020 ,		2
391	Output-Based Event-Triggered Cooperative Robust Regulation for Constrained Heterogeneous Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	2
390	Optimized Control for Human-Multi-Robot Collaboration via Multi-Agent Adaptive Dynamic Programming. <i>IFAC-PapersOnLine</i> , 2020 , 53, 9207-9212	0.7	0
389	Anomaly Resilient Relative Pose Estimation for Multiple Nonholonomic Mobile Robot Systems. <i>IEEE Systems Journal</i> , 2020 , 1-12	4-3	
388	Velocity Free Platoon Formation Control for Unmanned Surface Vehicles with Output Constraints and Model Uncertainties. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1118	2.6	4
387	Tutor-guided Interior Navigation with Deep Reinforcement Learning. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2020 , 1-1	3	1
386	Directional control of surface rolling molecules exploiting non-uniform heat-induced substrates. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 26887-26900	3.6	4

385	Layered Formation-containment Control of Multi-agent Systems in Constrained Space. <i>International Journal of Control, Automation and Systems</i> , 2020 , 18, 768-779	2.9	3
384	Road-Constrained Geometric Pose Estimation for Ground Vehicles. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 17, 748-760	4.9	4
383	Design proportional-integral-derivative/proportional-derivative controls for second-order time-varying switched nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 1979-2000	3.6	1
382	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020 , 56, 2823-2834	3.7	10
381	Anti-disturbance control for attitude and altitude systems of the helicopter under random disturbances. <i>Aerospace Science and Technology</i> , 2020 , 96, 105561	4.9	7
380	Low-Shot Wall Defect Detection for Autonomous Decoration Robots Using Deep Reinforcement Learning. <i>Journal of Robotics</i> , 2020 , 2020, 1-7	1.5	4
379	Simultaneous Excitation Systems for Ultrasonic Indoor Positioning. <i>IEEE Sensors Journal</i> , 2020 , 20, 137164-13725	4.1	5
378	G-image Segmentation: Similarity-preserving Fuzzy C-Means with Spatial Information Constraint in Wavelet Space. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	6
377	A Survey on Visual Navigation for Artificial Agents With Deep Reinforcement Learning. <i>IEEE Access</i> , 2020 , 8, 135426-135442	3.5	20
376	Adaptive Control of Uncertain Nonlinear Time-Delay Systems With External Disturbance. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-8	7.3	5
375	An Online Trajectory Planning Method of a Flexible-Link Manipulator Aiming at Vibration Suppression. <i>IEEE Access</i> , 2020 , 8, 130616-130632	3.5	4
374	Efficient Routing for Precedence-Constrained Package Delivery for Heterogeneous Vehicles. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 17, 248-260	4.9	20
373	Dynamic Output Feedback Asynchronous Control of Networked Markovian Jump Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 2705-2715	7.3	23
372	Periodic Event-Triggered Dynamic Output Feedback Dissipative Control With Stochastic Detection. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 1069-1073	3.5	0
371	Cooperative Circumnavigation Control of Networked Microsatellites. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4550-4555	10.2	16
370	Small traffic sign detection from large image. <i>Applied Intelligence</i> , 2020 , 50, 1-13	4.9	47
369	Asynchronous repetitive control of switched systems via periodic event-based dynamic output feedback. <i>IMA Journal of Mathematical Control and Information</i> , 2020 , 37, 644-673	1.1	2
368	Formation-containment control of networked collision-free Lagrangian systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 2399-2412	3.6	2

367	Temporal Convolutional Memory Networks for Remaining Useful Life Estimation of Industrial Machinery 2019 ,		18
366	A Novel Multi-Criteria Discounting Combination Approach for Multi-Sensor Fusion. <i>IEEE Sensors Journal</i> , 2019 , 19, 9411-9421	4	1
365	Multilayer formation control of multi-agent systems. <i>Automatica</i> , 2019 , 109, 108558	5.7	46
364	Optimized Adaptive Nonlinear Tracking Control Using Actor-Critic Reinforcement Learning Strategy. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 4969-4977	11.9	44
363	Periodic event-based asynchronous filtering of switched systems. <i>Journal of the Franklin Institute</i> , 2019 , 356, 10058-10075	4	2
362	Adaptive Tracking Control of Surface Vessel Using Optimized Backstepping Technique. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 3420-3431	10.2	60
361	Dynamics and Noncollocated Model-Free Position Control for a Space Robot with Multi-Link Flexible Manipulators. <i>Asian Journal of Control</i> , 2019 , 21, 714-724	1.7	10
360	. <i>IEEE Sensors Journal</i> , 2019 , 19, 6298-6308	4	6
359	Maximum entropy searching. <i>CAAI Transactions on Intelligence Technology</i> , 2019 , 4, 1-8	9.7	12
358	Controlling the Diffusive Motion of Fullerene-Wheeled Nanocars Utilizing a Hybrid Substrate. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 26018-26030	3.8	10
357	Companion Transporter: A Co-worker in the Greenhouse. <i>Lecture Notes in Computer Science</i> , 2019 , 322-331	3.9	2
356	Stabilizability of Time-Varying Switched Systems Based on Piecewise Continuous Scalar Functions. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 2637-2644	5.9	31
355	Secure Estimation for Attitude and Heading Reference Systems Under Sparse Attacks. <i>IEEE Sensors Journal</i> , 2019 , 19, 641-649	4	3
354	Almost surely attractive sets of discrete-time Markov jump systems with stochastic disturbances via impulsive control. <i>IET Control Theory and Applications</i> , 2019 , 13, 78-86	2.5	4
353	. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 1730-1741	11.9	28
352	Boundedness and stability analysis for impulsive stochastic differential equations driven by G-Brownian motion. <i>International Journal of Control</i> , 2019 , 92, 642-652	1.5	21
351	Neural-Network-Based Switching Formation Tracking Control of Multiagents With Uncertainties in Constrained Space. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1006-1015	7.3	22
350	Vision-Based Leader-Follower Formation Control of Multiagents With Visibility Constraints. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 1326-1333	4.8	19

349	Two-Layer Distributed Formation-Containment Control of Multiple Euler-Lagrange Systems by Output Feedback. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 675-687	10.2	61
348	Event-Triggered Coordination for Formation Tracking Control in Constrained Space With Limited Communication. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1000-1011	10.2	31
347	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1448-1458	7.3	160
346	Heading Reference-Assisted Pose Estimation for Ground Vehicles. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019 , 16, 448-458	4.9	8
345	An integrated multi-population genetic algorithm for multi-vehicle task assignment in a drift field. <i>Information Sciences</i> , 2018 , 453, 227-238	7.7	30
344	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2018 , 54, 2233-2245	3.7	42
343	Optimized Backstepping for Tracking Control of Strict-Feedback Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 3850-3862	10.3	66
342	Data-Defect Inspection With Kernel-Neighbor-Density-Change Outlier Factor. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018 , 15, 225-238	4.9	4
341	Content-Driven Associative Memories for Color Image Patterns. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 139-150	10.2	2
340	Dynamic modelling and adaptive robust tracking control of a space robot with two-link flexible manipulators under unknown disturbances. <i>International Journal of Control</i> , 2018 , 91, 969-988	1.5	23
339	Adaptive control of a quadrotor aerial vehicle with input constraints and uncertain parameters. <i>International Journal of Control</i> , 2018 , 91, 1140-1160	1.5	38
338	Low-Cost Pyrometry System With Nonlinear Multisense Partial Least Squares. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 1029-1038	7.3	2
337	. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 1312-1322	11.9	19
336	Stability analysis of discrete-time switched systems via Multi-step multiple Lyapunov-like functions. <i>Nonlinear Analysis: Hybrid Systems</i> , 2018 , 27, 44-61	4.5	22
335	Adaptive Learning Based Tracking Control of Marine Vessels with Prescribed Performance. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-9	1.1	1
334	Design of Chirp Waveforms for Multiple-Access Ultrasonic Indoor Positioning. <i>IEEE Sensors Journal</i> , 2018 , 18, 6375-6390	4	24
333	Unified iterative learning control for flexible structures with input constraints. <i>Automatica</i> , 2018 , 96, 326-336	5.7	210
332	Celestial navigation in deep space exploration using spherical simplex unscented particle filter. <i>IET Signal Processing</i> , 2018 , 12, 463-470	1.7	6

331	GPS/odometry/map fusion for vehicle positioning using potential function. <i>Autonomous Robots</i> , 2018 , 42, 99-110	3	4
330	Exponential ultimate boundedness of impulsive stochastic delay difference systems. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 781-797	3.6	7
329	Role playing learning for socially concomitant mobile robot navigation. <i>CAAI Transactions on Intelligence Technology</i> , 2018 , 3, 49-58	9.7	22
328	Adaptive control of redundant robot manipulators with null-space compliance. <i>Assembly Automation</i> , 2018 , 38, 615-624	2.1	2
327	Non-weighted filtering for positive switched delay systems. <i>IET Control Theory and Applications</i> , 2018 , 12, 1046-1054	2.5	14
326	Finite Time Fault Tolerant Control for Robot Manipulators Using Time Delay Estimation and Continuous Nonsingular Fast Terminal Sliding Mode Control. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 1681-1693	10.2	207
325	Reference Adaptation for Robots in Physical Interactions With Unknown Environments. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3504-3515	10.2	13
324	Geometric Map-Assisted Localization for Mobile Robots Based on Uniform-Gaussian Distribution. <i>IEEE Robotics and Automation Letters</i> , 2017 , 2, 789-795	4.2	10
323	Road Constrained Monocular Visual Localization Using Gaussian-Gaussian Cloud Model. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017 , 18, 3449-3456	6.1	11
322	Automatic Welding Seam Tracking and Identification. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 7261-7271	8.9	66
321	Pseudo-Orthogonal Chirp-Based Multiple Ultrasonic Transducer Positioning. <i>IEEE Sensors Journal</i> , 2017 , 17, 3832-3843	4	6
320	Robust Visual Tracking via Collaborative Motion and Appearance Model. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 2251-2259	11.9	5
319	Preserving feature layout information for object recognition. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2017 , 12, 116-123	1	
318	Impulsive stabilization of fractional differential systems. <i>ISA Transactions</i> , 2017 , 70, 125-131	5.5	21
317	Cooperative localization based on robust GPS and Radar fusion for multiple aerial vehicles. <i>International Journal of Control, Automation and Systems</i> , 2017 , 15, 732-742	2.9	2
316	. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5640-5647	8.9	28
315	Adaptive neural dynamic surface control of output constrained non-linear systems with unknown control direction. <i>IET Control Theory and Applications</i> , 2017 , 11, 2994-3003	2.5	17
314	Dwell time based stabilisability criteria for discrete-time switched systems. <i>International Journal of Systems Science</i> , 2017 , 48, 3087-3097	2.3	18

313	Distributed coordinated tracking control of multiple Euler-Lagrange systems by state and output feedback. <i>IET Control Theory and Applications</i> , 2017 , 11, 2213-2221	2.5	21
312	Robust Welding Seam Tracking and Recognition. <i>IEEE Sensors Journal</i> , 2017 , 17, 5609-5617	4	28
311	Adaptive Neural Network Control of a Robotic Manipulator With Time-Varying Output Constraints. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3136-3147	10.2	159
310	Multiple model based unscented particle filter algorithm for a SINS/CNS integrated navigation system 2017 ,		1
309	Adaptive dynamic positioning control for accommodation vessels with multiple constraints. <i>IET Control Theory and Applications</i> , 2017 , 11, 329-340	2.5	15
308	Formation Potential Field for Trajectory Tracking Control of Multi-Agents in Constrained Space. <i>International Journal of Control</i> , 2017 , 90, 2137-2151	1.5	16
307	Adaptive Control of Robotic Manipulators With Unified Motion Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 184-194	7.3	43
306	Multiple Access Chirp-Based Ultrasonic Positioning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017 , 66, 3126-3137	5.2	20
305	Orthogonal Chirp-Based Ultrasonic Positioning. <i>Sensors</i> , 2017 , 17,	3.8	8
304	Glance and Glimpse Network: A Stochastic Attention Model Driven by Class Saliency. <i>Lecture Notes in Computer Science</i> , 2017 , 572-587	0.9	
303	Mobile ultrasonic transducer positioning. <i>Journal of Engineering</i> , 2017 , 2017, 119-122	0.7	2
302	Formation Tracking Control of Multiagents in Constrained Space. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 992-1003	4.8	45
301	Constrained Multilegged Robot System Modeling and Fuzzy Control With Uncertain Kinematics and Dynamics Incorporating Foot Force Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1-15	7.3	108
300	Parameterized Distortion-Invariant Feature for Robust Tracking in Omnidirectional Vision. <i>IEEE Transactions on Automation Science and Engineering</i> , 2016 , 13, 743-756	4.9	2
299	Intelligent speech control system for human-robot interaction 2016 ,		1
298	3D pointing gesture recognition for human-robot interaction 2016 ,		8
297	Dynamic saliency-driven associative memories based on network potential field. <i>Pattern Recognition</i> , 2016 , 60, 669-680	7.7	1
296	Fault Diagnosis in Image-Based Visual Servoing With Eye-in-Hand Configurations Using Kalman Filter. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 1998-2007	11.9	25

295	Adaptive control for an uncertain robotic manipulator with input saturations. <i>Control Theory and Technology</i> , 2016 , 14, 113-121	1	17
294	Robust Fault-Tolerant Control for a Class of Second-Order Nonlinear Systems Using an Adaptive Third-Order Sliding Mode Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 1-8	7.3	52
293	Robust Adaptive Neural Tracking Control for a Class of Perturbed Uncertain Nonlinear Systems With State Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1618-1629	7.3	129
292	Kinematic Analysis and Motion Control of Wheeled Mobile Robots in Cylindrical Workspaces. <i>IEEE Transactions on Automation Science and Engineering</i> , 2016 , 13, 1207-1214	4.9	18
291	Region tracking control for high-order multi-agent systems in restricted space. <i>IET Control Theory and Applications</i> , 2016 , 10, 396-406	2.5	8
290	Cooperative control of a nonuniform gantry crane with constrained tension. <i>Automatica</i> , 2016 , 66, 146-154	5.4	416
289	Adaptive neural control for an uncertain robotic manipulator with joint space constraints. <i>International Journal of Control</i> , 2016 , 89, 1428-1446	1.5	58
288	Adaptive control for robot navigation in human environments based on social force model 2016 ,		3
287	Force tracking control for motion synchronization in human-robot collaboration. <i>Robotica</i> , 2016 , 34, 1260-1281	2.5	125
286	Learning Saliency Features for Face Detection and Recognition Using Multi-task Network. <i>International Journal of Social Robotics</i> , 2016 , 8, 709-720	4	8
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183	Adaptive control for a cable driven robot arm 2012 ,		4
182	Online brain imaging by QR factorization of normalized regressor functions 2012 ,		2
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108	Semi-parametric adaptive control of discrete-time nonlinear systems 2009 ,		2
107	Control of nonlinear systems with full state constraint using a Barrier Lyapunov Function 2009 ,		46
106	Adaptive control of a class of strict-feedback discrete-time nonlinear systems with unknown control gains and preceded by hysteresis 2009 ,		5
105	Leader-follower formation control of underactuated AUVs with leader position measurement 2009 ,		1
104	Output-feedback adaptive control of electrostatic microactuators 2009 ,		3
103	Approximation-based adaptive tracking control of pure-feedback nonlinear systems with multiple unknown time-varying delays 2009 ,		2
102	A switched system approach to scheduling of networked control systems with communication constraints 2009 ,		6
101	Decentralized adaptive control of a class of discrete-time multi-agent systems for hidden leader following problem 2009 ,		10
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