

# C P Chen

## 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.

645  
papers

23,643  
citations

82  
h-index

133  
g-index

775  
ext. papers

30,257  
ext. citations

6.2  
avg, IF

8.24  
L-index

#	Paper	IF	Citations
645	Event-Based Adaptive Neural Control of Nonlinear Systems With Deferred Constraint. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2022</b> , 1-10	7.3	1
644	Graph Domain Adversarial Network With Dual-Weighted Pseudo-Label Loss for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2022</b> , 19, 1-5	4.1	1
643	Residual GCB-Net: Residual Graph Convolutional Broad Network on Emotion Recognition. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2022</b> , 1-1	3	0
642	Adaptive Fuzzy Fixed-Time Control of Switched Systems: Mode-Dependent Power Integrator Method. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2022</b> , 1-15	7.3	1
641	A Survey on Masked Facial Detection Methods and Datasets for Fighting Against COVID-19. <i>IEEE Transactions on Artificial Intelligence</i> , <b>2022</b> , 1-1	4.7	1
640	Self-triggered-organized Mecanum-wheeled Robots Consensus System Using Model Predictive Based Protocol. <i>Information Sciences</i> , <b>2022</b> , 590, 45-45	7.7	3
639	Bionic tracking-containment control based on smooth transition in communication. <i>Information Sciences</i> , <b>2022</b> , 587, 393-407	7.7	2
638	Target tracking algorithm based on a broad learning system. <i>Science China Information Sciences</i> , <b>2022</b> , 65, 1	3.4	0
637	Fuzzy Control of Switched Systems With Unknown Backlash and Nonconstant Control Gain: A Parameterized Smooth Inverse. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2022</b> , 1-1	8.3	0
636	Achieving Privacy-Preserving Multi-Task Allocation for Mobile Crowdsensing. <i>IEEE Internet of Things Journal</i> , <b>2022</b> , 1-1	10.7	1
635	Nuisance Parameter Estimation Algorithms for Separable Nonlinear Models. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2022</b> , 1-12	7.3	
634	Adaptive Fuzzy Backstepping Asymptotic Disturbance Rejection of Multi-agent Systems with Unknown Model Dynamics. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2022</b> , 1-1	8.3	1
633	Nonsingular Practical Fixed-Time Adaptive Output Feedback Control of MIMO Nonlinear Systems.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , PP,	10.3	2
632	Event-triggered fuzzy control for nonlinear time-delay system with full-state constraints and unknown hysteresis. <i>Journal of the Franklin Institute</i> , <b>2022</b> , 359, 1582-1611	4	0
631	Character Segmentation and Recognition of Variable-Length License Plates Using ROI Detection and Broad Learning System. <i>Remote Sensing</i> , <b>2022</b> , 14, 1560	5	
630	Impacts of GPS Spoofing on Path Planning of Unmanned Surface Ships. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 801	2.6	2
629	Multi-scale 3D convolution feature-based Broad Learning System for Alzheimer's Disease diagnosis via MRI images. <i>Applied Soft Computing Journal</i> , <b>2022</b> , 120, 108660	7.5	2

628	Graph-based sparse bayesian broad learning system for semi-supervised learning. <i>Information Sciences</i> , <b>2022</b> , 597, 193-210	7.7	1
627	An Iterative Implementation of Variable Projection for Separable Nonlinear Optimization Problems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2022</b> , 1-9	7.3	0
626	Semantic Learning for Facial Action Unit Detection. <i>IEEE Transactions on Computational Social Systems</i> , <b>2022</b> , 1-9	4.5	
625	Interval type-2 outlier-robust picture fuzzy clustering and its application in medical image segmentation. <i>Applied Soft Computing Journal</i> , <b>2022</b> , 122, 108891	7.5	3
624	Cauchy regularized broad learning system for noisy data regression. <i>Information Sciences</i> , <b>2022</b> , 603, 210-221	7.7	
623	Adaptive Fixed-Time Neural Control for Uncertain Nonlinear Multiagent Systems.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , PP,	10.3	1
622	SparseVoxNet: 3-D Object Recognition With Sparsely Aggregation of 3-D Dense Blocks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , 1-15	10.3	
621	Adaptive Fuzzy Output-Feedback Predefined-Time Control of Nonlinear Switched Systems with Admissible Edge-Dependent Average Dwell Time. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2022</b> , 1-1	8.3	0
620	Game-Based Backstepping Design for Strict-Feedback Nonlinear Multi-Agent Systems Based on Reinforcement Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , 1-14	10.3	0
619	Classifier Ensemble Based on Multiview Optimization for High-Dimensional Imbalanced Data Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , 1-14	10.3	0
618	Discriminative Dimension Reduction via Maximin Separation Probability Analysis. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 4100-4111	10.2	1
617	Recursive Variable Projection Algorithm for a Class of Separable Nonlinear Models. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 4971-4982	10.3	13
616	Multiobjective Overtaking Maneuver Planning for Autonomous Ground Vehicles. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 4035-4049	10.2	21
615	A Dynamic Adaptive Subgroup-to-Subgroup Compatibility-Based Conflict Detection and Resolution Model for Multicriteria Large-Scale Group Decision Making. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 4784-4795	10.2	22
614	Adaptive Deep Cascade Broad Learning System and Its Application in Image Denoising. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 4450-4463	10.2	10
613	Optimal Robot-Environment Interaction Under Broad Fuzzy Neural Adaptive Control. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 3824-3835	10.2	36
612	Common Spatial Pattern Reformulated for Regularizations in Brain-Computer Interfaces. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 5008-5020	10.2	15
611	Neural-Network-Based Adaptive DSC Design for Switched Fractional-Order Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 4703-4712	10.3	25

610	Event-Triggered Prescribed Settling Time Consensus Compensation Control for a Class of Uncertain Nonlinear Systems With Actuator Failures. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	2
609	Distributed Virtual Inertia Implementation of Multiple Electric Springs Based on Model Predictive Control in DC Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	2
608	Adaptive Fuzzy Inverse Optimal Fixed-Time Control of Uncertain Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	0
607	Extracting and Composing Robust Features with Broad Learning System. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	0
606	Hyperspectral Image Classification Based on Domain Adversarial Broad Adaptation Network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-1	8.1	4
605	BaGFN: Broad Attentive Graph Fusion Network for High-Order Feature Interactions. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	4
604	A Novel Prescribed Performance Fuzzy Adaptive Output Feedback Control for Nonlinear MIMO Systems in Finite-Time. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	3
603	Globally and Locally Semantic Colorization via Exemplar-Based Broad-GAN. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 8526-8539	8.7	2
602	Adaptive Fuzzy Decentralized Control for Fractional-Order Nonlinear Large-Scale Systems With Unmodeled Dynamics. <i>IEEE Access</i> , <b>2021</b> , 9, 142594-142604	3.5	0
601	Reinforcement Learning Based Model-free Optimized Trajectory Tracking Strategy Design for an AUV. <i>Neurocomputing</i> , <b>2021</b> ,	5.4	5
600	Adaptive neural inverse optimal tracking control for uncertain multi-agent systems. <i>Information Sciences</i> , <b>2021</b> , 584, 31-31	7.7	1
599	Adaptive fuzzy control for uncertain nonlinear systems subject to full state constraints and actuator faults. <i>Information Sciences</i> , <b>2021</b> , 581, 553-566	7.7	5
598	Neuroadaptive asymptotic consensus tracking control for a class of uncertain nonlinear multiagent systems with sensor faults. <i>Information Sciences</i> , <b>2021</b> , 584, 685-685	7.7	3
597	Distributed Fault-Tolerant Containment Control Protocols for the Discrete-Time Multiagent Systems via Reinforcement Learning Method. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	15
596	Simplified Optimized Backstepping Control for a Class of Nonlinear Strict-Feedback Systems With Unknown Dynamic Functions. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 4567-4580	10.2	29
595	A Novel Adaptive NN Prescribed Performance Control for Stochastic Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 3196-3205	10.3	32
594	Low-Cost Approximation-Based Adaptive Tracking Control of Output-Constrained Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 4890-4900	10.3	11
593	Fast and Effective Active Clustering Ensemble Based on Density Peak. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 3593-3607	10.3	3

592	Transferring Subject-Specific Knowledge Across Stimulus Frequencies in SSVEP-Based BCIs. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2021</b> , 18, 552-563	4.9	8
591	Edge computing and its role in Industrial Internet: Methodologies, applications, and future directions. <i>Information Sciences</i> , <b>2021</b> , 557, 34-65	7.7	18
590	BFGS method based variable projection approach for image restoration. <i>IET Image Processing</i> , <b>2021</b> , 15, 2854-2865	1.7	
589	Integral-interval barrier Lyapunov function based control of switched systems with fuzzy saturation-deadzone. <i>Nonlinear Dynamics</i> , <b>2021</b> , 104, 3809	5	1
588	Distributed adaptive fuzzy control approach for prescribed-time containment of uncertain nonlinear multi-agent systems with unknown hysteresis. <i>Nonlinear Dynamics</i> , <b>2021</b> , 105, 257-275	5	3
587	A novel fuzzy control with filter-based event-triggered mechanism for nonlinear uncertain stochastic systems suffered input hysteresis. <i>Fuzzy Sets and Systems</i> , <b>2021</b> ,	3.7	1
586	Preview-based leader-following consensus control of distributed multi-agent systems. <i>Information Sciences</i> , <b>2021</b> , 559, 251-269	7.7	3
585	Neural-network-based formation control with collision, obstacle avoidance and connectivity maintenance for a class of second-order nonlinear multi-agent systems. <i>Neurocomputing</i> , <b>2021</b> , 439, 243-255	5.4	4
584	Adaptive neural consensus tracking control for multi-agent systems with unknown state and input hysteresis. <i>Nonlinear Dynamics</i> , <b>2021</b> , 105, 1625-1641	5	1
583	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 4228-4237	8.9	4
582	Modal-Regression-Based Structured Low-Rank Matrix Recovery for Multiview Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 1204-1216	10.3	0
581	GreenSea: Visual Soccer Analysis Using Broad Learning System. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 1463-1477	10.2	24
580	Reduced-Order Observer-Based Dynamic Event-Triggered Adaptive NN Control for Stochastic Nonlinear Systems Subject to Unknown Input Saturation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 1678-1690	10.3	30
579	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 5184-5196	8.9	12
578	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 2476-2487	11.9	12
577	Intelligent Decision Making and Bionic Movement Control of Self-Organized Swarm. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 6369-6378	8.9	15
576	Laplacian Regularized Nonnegative Representation for Clustering and Dimensionality Reduction. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 1-14	6.4	9
575	Broad Colorization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 2330-2343	10.3	2

574	Performance analysis of fuzzy BLS using different cluster methods for classification. <i>Science China Information Sciences</i> , <b>2021</b> , 64, 1	3.4	1
573	Novel Efficient RNN and LSTM-Like Architectures: Recurrent and Gated Broad Learning Systems and Their Applications for Text Classification. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 1586-1597	10.2	34
572	Adaptive Tracking Control of Cooperative Robot Manipulators With Markovian Switched Couplings. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 2427-2436	8.9	22
571	Fuzzy Adaptive Two-Bit-Triggered Control for a Class of Uncertain Nonlinear Systems With Actuator Failures and Dead-Zone Constraint. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 210-221	10.2	31
570	Basis Function Matrix-Based Flexible Coefficient Autoregressive Models: A Framework for Time Series and Nonlinear System Modeling. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 614-623	10.2	17
569	Event-Triggered Adaptive Fuzzy Tracking Control With Guaranteed Transient Performance for MIMO Nonlinear Uncertain Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 736-749	10.2	12
568	An Inception Convolutional Autoencoder Model for Chinese Healthcare Question Clustering. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 2019-2031	10.2	5
567	Maximum Information Exploitation Using Broad Learning System for Large-Scale Chaotic Time-Series Prediction. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 2320-2329	10.3	6
566	A neighborhood prior constrained collaborative representation for classification. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , <b>2021</b> , 19, 2050073	0.9	2
565	Fuzzy Observer Constraint Based on Adaptive Control for Uncertain Nonlinear MIMO Systems With Time-Varying State Constraints. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 1380-1389	10.2	20
564	Adaptive Consensus Tracking Control of Uncertain Nonlinear Multiagent Systems With Predefined Accuracy. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 405-415	10.2	30
563	Multiview High Dynamic Range Image Synthesis Using Fuzzy Broad Learning System. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 2735-2747	10.2	10
562	Event-Triggered Adaptive Fuzzy Tracking Control for Uncertain Nonlinear Systems Preceded by Unknown Prandtl-Ishlinskii Hysteresis. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 2979-2992	10.2	9
561	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 33, 2847-2862	4.2	3
560	Indirect Fuzzy Control of Nonlinear Systems With Unknown Input and State Hysteresis Using an Alternative Adaptive Inverse. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 500-514	8.3	6
559	Finite-Time Adaptive Fuzzy Prescribed Performance Control for High-Order Stochastic Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	7
558	An Efficient Algorithm for the Incremental Broad Learning System by Inverse Cholesky Factorization of a Partitioned Matrix. <i>IEEE Access</i> , <b>2021</b> , 9, 19294-19303	3.5	
557	Direct Adaptive Fuzzy Control Scheme With Guaranteed Tracking Performances For Uncertain Canonical Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	3

556	Adaptive Intelligent Controller Design-Based ISS Modular Approach for Uncertain Nonlinear Systems with Time-Varying Full State Constraints. <i>IEEE Transactions on Artificial Intelligence</i> , <b>2021</b> , 1-1	4.7	2
555	Hybrid Transfer Learning and Broad Learning System for Wearing Mask Detection in the COVID-19 Era. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-12	5.2	12
554	Adaptive Swarm Control Within Saturated Input Based on Nonlinear Coupling Degree. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-12	7.3	4
553	Secure Heterogeneous Data Deduplication via Fog-Assisted Mobile Crowdsensing in 5G-enabled IIoT. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	3
552	Distributed Adaptive Neural Fixed-Time Tracking Control of Multiple Uncertain Mechanical Systems With Actuation Dead Zones. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-14	7.3	2
551	Event-Triggered Multigradient Recursive Reinforcement Learning Tracking Control for Multiagent Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	15
550	Inverse Optimal Design of Direct Adaptive Fuzzy Controllers for Uncertain Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	4
549	Proximal Policy Optimization With Policy Feedback. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-11	7.3	0
548	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 5-21	7.3	5
547	Coarse-to-Fine: Progressive Knowledge Transfer-Based Multitask Convolutional Neural Network for Intelligent Large-Scale Fault Diagnosis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	3
546	Adaptive Inverse Compensation for Unknown Input and Output Hysteresis Using Output Feedback Neural Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-13	7.3	
545	An Efficient Inspection System based on Broad Learning: Nondestructively Estimating Cement Compressive Strength with Internal Factors. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	2
544	Neural Adaptive Self-Triggered Control for Uncertain Nonlinear Systems With Input Hysteresis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	6
543	Towards Uncovering the Intrinsic Data Structures for Unsupervised Domain Adaptation using Structurally Regularized Deep Clustering. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , PP,	13.3	1
542	Insights Into Algorithms for Separable Nonlinear Least Squares Problems. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 1207-1218	8.7	2
541	. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	12
540	Face Sketch Synthesis Using Regularized Broad Learning System. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	2
539	Progressive Hybrid Classifier Ensemble for Imbalanced Data. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-15	7.3	2

538	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 209-222	7.3	18
537	BNAS: Efficient Neural Architecture Search Using Broad Scalable Architecture. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	3
536	Neural Networks Enhanced Optimal Admittance Control of Robot-Environment Interaction Using Reinforcement Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	8
535	Fault Tolerant Control for Dynamic Positioning of Unmanned Marine Vehicles Based on T-S Fuzzy Model With Unknown Membership Functions. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 146-157	6.8	28
534	Type-2 Fuzzy Broad Learning System. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	4
533	Neuroscience and Network Dynamics Toward Brain-Inspired Intelligence. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	2
532	Pattern Classification with Corrupted Labeling via Robust Broad Learning System. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	6
531	Research Review for Broad Learning System: Algorithms, Theory, and Applications. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	18
530	Prescribed-time containment control with prescribed performance for uncertain nonlinear multi-agent systems. <i>Journal of the Franklin Institute</i> , <b>2021</b> , 358, 1782-1811	4	3
529	Time-varying IBLFs-based adaptive control of uncertain nonlinear systems with full state constraints. <i>Automatica</i> , <b>2021</b> , 129, 109595	5.7	52
528	Multi-Stage Convolutional Broad Learning with Block Diagonal Constraint for Hyperspectral Image Classification. <i>Remote Sensing</i> , <b>2021</b> , 13, 3412	5	0
527	Time-varying Nonholonomic Robot Consensus Formation Using Model Predictive Based Protocol With Switching Topology. <i>Information Sciences</i> , <b>2021</b> , 567, 201-215	7.7	9
526	□A real-time classification model based on joint sparse-collaborative representation. <i>Journal of Real-Time Image Processing</i> , <b>2021</b> , 18, 1837-1849	1.9	1
525	An Image-Based Benchmark Dataset and a Novel Object Detector for Water Surface Object Detection. <i>Frontiers in Neurorobotics</i> , <b>2021</b> , 15, 723336	3.4	2
524	Discriminative group-sparsity constrained broad learning system for visual recognition. <i>Information Sciences</i> , <b>2021</b> , 576, 800-818	7.7	3
523	Adaptive neural design of fixed-time controllers for MIMO systems with nonlinear static and dynamic interactions. <i>Neurocomputing</i> , <b>2021</b> , 457, 293-305	5.4	1
522	AS-NAS: Adaptive Scalable Neural Architecture Search With Reinforced Evolutionary Algorithm for Deep Learning. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 25, 830-841	15.6	17
521	Random Fourier feature-based fuzzy clustering with p-Laplacian regularization. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 111, 107724	7.5	1

520	Adaptive neural control for uncertain switched nonlinear systems with a switched filter-contained hysteretic quantizer. <i>Information Sciences</i> , <b>2021</b> , 581, 345-361	7.7	0
519	BMT-Net: Broad Multitask Transformer Network for Sentiment Analysis. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	10
518	Multiscale Random Convolution Broad Learning System for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2021</b> , 1-5	4.1	0
517	Incremental Weighted Ensemble Broad Learning System For Imbalanced Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	5
516	Fuzzy Swarm Control Based on Sliding-Mode Strategy With Self-Organized Omnidirectional Mobile Robots System. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-13	7.3	21
515	Semisupervised Classification of Hyperspectral Image Based on Graph Convolutional Broad Network. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2021</b> , 14, 2994-3005	4.7	7
514	Dynamic Coverage Control Based on K-means. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	10
513	Adaptive Neural Network Control for a Class of Nonlinear Systems With Function Constraints on States. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	28
512	Cross-Subject EEG Emotion Recognition Using Domain Adaptive Few-Shot Learning Networks <b>2021</b> ,		2
511	Local Water-Filling Algorithm for Shadow Detection and Removal of Document Images. <i>Sensors</i> , <b>2020</b> , 20,	3.8	2
510	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	41
509	Control of nonlinear systems under dynamic constraints: A unified barrier function-based approach. <i>Automatica</i> , <b>2020</b> , 119, 109102	5.7	35
508	Multilayer neural networks-based control of underwater vehicles with uncertain dynamics and disturbances. <i>Nonlinear Dynamics</i> , <b>2020</b> , 100, 3555-3573	5	13
507	Smooth Transition in Communication for Swarm Control With Formation Change. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 6962-6971	11.9	20
506	3-D Deconvolutional Networks for the Unsupervised Representation Learning of Human Motions. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> ,	10.2	3
505	An Efficient Feedback Control Mechanism for Positive/Negative Information Spread in Online Social Networks. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> ,	10.2	11
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356	Fuzzy Adaptive Compensation Control of Uncertain Stochastic Nonlinear Systems With Actuator Failures and Input Hysteresis. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 2-13	10.2	41
355	Hybrid Incremental Ensemble Learning for Noisy Real-World Data Classification. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 403-416	10.2	20
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352	Adaptive Fuzzy Output Feedback Control for a Class of Nonlinear Systems With Full State Constraints. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 2607-2617	8.3	166
351	Event-Triggered Fault Detector and Controller Coordinated Design of Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 2004-2016	8.3	50
350	Finite-Time Formation Control of Under-Actuated Ships Using Nonlinear Sliding Mode Control. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 3243-3253	10.2	146
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344	Finite-Time Filter Decentralized Control for Nonstrict-Feedback Nonlinear Large-Scale Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 3289-3300	8.3	155
343	Adaptive backstepping-based tracking control of a class of uncertain switched nonlinear systems. <i>Automatica</i> , <b>2018</b> , 91, 301-310	5-7	48
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338	Clustering by Local Gravitation. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 1383-1396	10.2	33
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334	A Novel Variable Precision Reduction Approach to Comprehensive Knowledge Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 661-674	10.2	8
333	Adaptive Compensation for Infinite Number of Time-Varying Actuator Failures in Fuzzy Tracking Control of Uncertain Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 474-486	8.3	25
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331	Quaternion Locality-Constrained Coding for Color Face Hallucination. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 1474-1485	10.2	13
330	Mixed Noise Removal via Robust Constrained Sparse Representation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2018</b> , 28, 2177-2189	6.4	16
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325	Research on Information Collection Method of Shipping Job Hunting Based on Web Crawler <b>2018</b> ,		3
324	Event Trigger Fuzzy Adaptive Compensation Control of Uncertain Stochastic Nonlinear Systems With Actuator Failures. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 3770-3781	8.3	40
323	Optical reflection invariant-based method for moving shadows removal. <i>Optical Engineering</i> , <b>2018</b> , 57, 1	1.1	5

322	Multiple Kernel Shadowed Clustering in Approximated Feature Space. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 265-275	0.9	4
321	Relation-Invariable Persistent Formation Control with Collision Avoidance and Connectivity Preservation <b>2018</b> ,		5
320	Broad Learning System for Control of Nonlinear Dynamic Systems <b>2018</b> ,		14
319	Transductive Transfer Learning Based on Broad Learning System <b>2018</b> ,		8
318	EEG Emotion Recognition Using Dynamical Graph Convolutional Neural Networks and Broad Learning System <b>2018</b> ,		25
317	Facial Expression Recognition via Broad Learning System <b>2018</b> ,		13
316	Asymptotic adaptive control of nonlinear systems with elimination of overparametrization in a Nussbaum-like design. <i>Automatica</i> , <b>2018</b> , 98, 277-284	5-7	21
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314	Discriminative graph regularized broad learning system for image recognition. <i>Science China Information Sciences</i> , <b>2018</b> , 61, 1	3-4	54
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311	Multifocus image fusion with enhanced linear spectral clustering and fast depth map estimation. <i>Neurocomputing</i> , <b>2018</b> , 318, 43-54	5-4	11
310	Forecast Application of Time Series Model Based on BLS in Port Cargo Throughput <b>2018</b> ,		2
309	License Plate Character Segmentation Using Key Character Location and Projection Analysis <b>2018</b> ,		3
308	A Regularized Variable Projection Algorithm for Separable Nonlinear Least-Squares Problems. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 1-1	5-9	12
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305	A Cooperative Learning-Based Clustering Approach to Lip Segmentation Without Knowing Segment Number. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 80-93	10.3	12

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302	Weighted Joint Sparse Representation for Removing Mixed Noise in Image. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 600-611	10.2	84
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297	Asymptotic Fuzzy Tracking Control for a Class of Stochastic Strict-Feedback Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 556-568	8.3	30
296	Fuzzy Adaptive Inverse Compensation Method to Tracking Control of Uncertain Nonlinear Systems With Generalized Actuator Dead Zone. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 191-204	8.3	83
295	Adaptive Fuzzy Leader-Following Consensus Control for Stochastic Multiagent Systems with Heterogeneous Nonlinear Dynamics. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 181-190	8.3	83
294	Adaptive Inversion-Based Fuzzy Compensation Control of Uncertain Pure-Feedback Systems With Asymmetric Actuator Backlash. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 141-155	8.3	16
293	Mesh Convolutional Restricted Boltzmann Machines for Unsupervised Learning of Features With Structure Preservation on 3-D Meshes. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 2268-2281	10.3	34
292	Degree-Pruning Dynamic Programming Approaches to Central Time Series Minimizing Dynamic Time Warping Distance. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 1719-1729	10.2	13
291	Adaptive compensation for infinite number of actuator failures/faults using output feedback control. <i>Information Sciences</i> , <b>2017</b> , 399, 1-12	7-7	23
290	Image Guided Fuzzy C-Means for Image Segmentation. <i>International Journal of Fuzzy Systems</i> , <b>2017</b> , 19, 1660-1669	3.6	11
289	BoSCC: Bag of Spatial Context Correlations for Spatially Enhanced 3D Shape Representation. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 3707-3720	8.7	24
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285	Hyperspectral Image Classification Based on Multiscale Spatial Information Fusion. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2017</b> , 55, 5302-5312	8.1	29
284	Cooperative Hierarchical PSO With Two Stage Variable Interaction Reconstruction for Large Scale Optimization. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 2809-2823	10.2	24
283	Dempster-Shafer structure based fuzzy logic system for stochastic modeling. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 56, 134-142	7.5	13
282	General Projection Neural Network Based Nonlinear Model Predictive Control for Multi-Robot Formation and Tracking. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 838-843	0.7	2
281	Distributed generation and control of persistent formation for multi-agent systems <b>2017</b> ,		12
280	Adaptive Terminal Sliding Mode Control for Formations of Underactuated Vessels. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 27-35	0.3	1
279	Neural Network Based Dynamic Surface Second Order Sliding Mode Control for AUVs. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 417-424	0.3	1
278	Leader-follower multi-robot formation system using model predictive control method based on particle swarm optimization <b>2017</b> ,		3
277	Adaptive neural control of MIMO stochastic systems with unknown high-frequency gains. <i>Information Sciences</i> , <b>2017</b> , 418-419, 513-530	7.7	8
276	Mixture of Matrix Normal Distributions for Color Image Inpainting. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 95-104	0.9	2
275	A survey of human-centered intelligent robots: issues and challenges. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2017</b> , 4, 602-609	7	139
274	Broad learning system: A new learning paradigm and system without going deep <b>2017</b> ,		30
273	Direct adaptive compensation for actuator failures and dead-Zone constraints in tracking control of uncertain nonlinear systems. <i>Information Sciences</i> , <b>2017</b> , 417, 328-343	7.7	9
272	Adaptive NN-DSC control design for path following of underactuated surface vessels with input saturation. <i>Neurocomputing</i> , <b>2017</b> , 267, 466-474	5.4	47
271	Adaptive asymptotic control of multivariable systems based on a one-parameter estimation approach. <i>Automatica</i> , <b>2017</b> , 83, 124-132	5.7	40
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269	Medical image encryption using edge maps. <i>Signal Processing</i> , <b>2017</b> , 132, 96-109	4.4	95

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267	Adaptive Fuzzy Asymptotic Control of MIMO Systems With Unknown Input Coefficients Via a Robust Nussbaum Gain-Based Approach. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 1252-1263	8.3	62
266	Adaptive NN Control Using Integral Barrier Lyapunov Functionals for Uncertain Nonlinear Block-Triangular Constraint Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 3747-3757	10.2	118
265	Broad learning system: Feature extraction based on K-means clustering algorithm <b>2017</b> ,		22
264	Broad learning system: Structural extensions on single-layer and multi-layer neural networks <b>2017</b> ,		23
263	Spectral clustering based on JS-divergence for uncertain data <b>2017</b> ,		3
262	Guest editorial for special issue on human-centered intelligent robots: issues and challenges. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2017</b> , 4, 599-601	7	2
261	Fuzzy restricted Boltzmann machine and deep belief network: A comparison on image reconstruction <b>2017</b> ,		3
260	Virtual Structure Formation Control via Sliding Mode Control and Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 101-108	0.9	1
259	Adaptive Neural Network Output-Feedback Control for a Class of Discrete-Time Nonlinear Systems in Presence of Input Saturation. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 165-173	0.9	
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257	Adaptive Fuzzy Tracking Control of Nonlinear Systems With Asymmetric Actuator Backlash Based on a New Smooth Inverse. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 1250-62	10.2	60
256	Modeling and Adaptive Compensation of Unknown Multiple Frequency Vibrations for the Stabilization and Control of an Active Isolation System. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 900-911	4.8	15
255	Reweighted Sparse Regression for Hyperspectral Unmixing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2016</b> , 54, 479-488	8.1	39
254	Observer-Based Adaptive Backstepping Consensus Tracking Control for High-Order Nonlinear Semi-Strict-Feedback Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 1591-601	10.2	380
253	A Unified Approach to Adaptive Neural Control for Nonlinear Discrete-Time Systems With Nonlinear Dead-Zone Input. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2016</b> , 27, 139-50	10.3	91
252	Sparse discriminative multi-manifold embedding for one-sample face identification. <i>Pattern Recognition</i> , <b>2016</b> , 52, 249-259	7.7	55
251	Fuzzy Observed-Based Adaptive Consensus Tracking Control for Second-Order Multiagent Systems With Heterogeneous Nonlinear Dynamics. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2016</b> , 24, 906-915	8.3	177

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248	Consensus Control With Failure--Wait or Abandon?. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 75-84	10.2	8
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244	Clustering Algorithm Based on Spatial Shadowed Fuzzy C-means and I-Ching Operators. <i>International Journal of Fuzzy Systems</i> , <b>2016</b> , 18, 609-617	3.6	16
243	Adaptive asymptotic tracking control of uncertain nonlinear system with input quantization. <i>Systems and Control Letters</i> , <b>2016</b> , 96, 23-29	2.4	53
242	Rician noise removal in MR imaging using multi-image guided filter <b>2016</b> ,		1
241	Random feature based multiple kernel clustering <b>2016</b> ,		3
240	Fuzzy clustering based traffic pattern identification <b>2016</b> ,		1
239	Fuzzy clustering method with graph-based regularization <b>2016</b> ,		2
238	Image guided Fuzzy C-means for image segmentation <b>2016</b> ,		2
237	Adaptive control of MIMO mechanical systems with unknown actuator nonlinearities based on the Nussbaum gain approach. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2016</b> , 3, 26-34	7	18
236	A Space Affine Matching Approach to fMRI Time Series Analysis. <i>IEEE Transactions on Nanobioscience</i> , <b>2016</b> , 15, 468-480	3.4	2
235	Prediction Intervals for Landslide Displacement Based on Switched Neural Networks. <i>IEEE Transactions on Reliability</i> , <b>2016</b> , 65, 1483-1495	4.6	23
234	Fuzzy Adaptive Quantized Control for a Class of Stochastic Nonlinear Uncertain Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 524-34	10.2	197
233	Quantized consensus control for second-order multi-agent systems with nonlinear dynamics. <i>Neurocomputing</i> , <b>2016</b> , 175, 529-537	5.4	24

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231	A robust bi-sparsity model with non-local regularization for mixed noise reduction. <i>Information Sciences</i> , <b>2016</b> , 354, 101-111	7.7	18
230	Actuator Backlash Compensation and Accurate Parameter Estimation for Active Vibration Isolation System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 1643-1654	8.9	17
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210	Compressed auto-encoder building block for deep learning network <b>2016</b> ,		2
209	Adaptive quantized Fuzzy control of stochastic nonlinear systems with actuator dead-zone. <i>Information Sciences</i> , <b>2016</b> , 370-371, 385-401	7.7	32
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202	Variance constrained partial least squares. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2015</b> , 145, 60-71	3.8	8
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200	Region-Kernel-Based Support Vector Machines for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2015</b> , 53, 4810-4824	8.1	102
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172	Region-Based Multi-focus Image Fusion Using Guided Filtering and Greedy Analysis <b>2015</b> ,		5
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170	Generalized Kernel Normalized Mixed-Norm Algorithm: Analysis and Simulations. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 61-70	0.9	4
169	Human Heart Rate Estimation Using Ordinary Cameras under Natural Movement <b>2015</b> ,		3
168	Image denoising using non-local fuzzy means <b>2015</b> ,		7
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153	Image encryption using binary bitplane. <i>Signal Processing</i> , <b>2014</b> , 100, 197-207	4.4	125
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141	A Local Contrast Method for Small Infrared Target Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2014</b> , 52, 574-581	8.1	405
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135	An adaptive regularization method for sparse representation. <i>Integrated Computer-Aided Engineering</i> , <b>2014</b> , 21, 91-100	5.2	6
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123	Maximum-entropy-based multiple kernel fuzzy c-means clustering algorithm <b>2014</b> ,		7
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109	A new selective filtering algorithm for image denoising <b>2013</b> ,		2
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104	Geometric invariant watermarking by local Zernike moments of binary image patches. <i>Signal Processing</i> , <b>2013</b> , 93, 2087-2095	4.4	29
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