

## List of Publications by Citations

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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	Data-intensive applications, challenges, techniques and technologies: A survey on Big Data. <i>Information Sciences</i> , <b>2014</b> , 275, 314-347	7.7	1541
644	Broad Learning System: An Effective and Efficient Incremental Learning System Without the Need for Deep Architecture. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 10-24	10.3	586
643	A new 1D chaotic system for image encryption. <i>Signal Processing</i> , <b>2014</b> , 97, 172-182	4.4	490
642	2D Sine Logistic modulation map for image encryption. <i>Information Sciences</i> , <b>2015</b> , 297, 80-94	7.7	407
641	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
640	Fuzzy neural network-based adaptive control for a class of uncertain nonlinear stochastic systems. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 583-93	10.2	382
639	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
638	Adaptive Consensus Control for a Class of Nonlinear Multiagent Time-Delay Systems Using Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2014</b> , 25, 1217-1226	10.3	369
637	Adaptive control-based Barrier Lyapunov Functions for a class of stochastic nonlinear systems with full state constraints. <i>Automatica</i> , <b>2018</b> , 87, 83-93	5.7	348
636	Cyber Security and Privacy Issues in Smart Grids. <i>IEEE Communications Surveys and Tutorials</i> , <b>2012</b> , 14, 981-997	37.1	341
635	A survey of communication/networking in Smart Grids. <i>Future Generation Computer Systems</i> , <b>2012</b> , 28, 391-404	7.5	327
634	Neural Network Control-Based Adaptive Learning Design for Nonlinear Systems With Full-State Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2016</b> , 27, 1562-71	10.3	323
633	Adaptive neural output feedback tracking control for a class of uncertain discrete-time nonlinear systems. <i>IEEE Transactions on Neural Networks</i> , <b>2011</b> , 22, 1162-7		295
632	Adaptive Fuzzy Control via Observer Design for Uncertain Nonlinear Systems With Unmodeled Dynamics. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2013</b> , 21, 275-288	8.3	248
631	Neural Network-Based Adaptive Leader-Following Consensus Control for a Class of Nonlinear Multiagent State-Delay Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 2151-2160	10.2	207
630	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
629	Adaptive neural output feedback controller design with reduced-order observer for a class of uncertain nonlinear SISO systems. <i>IEEE Transactions on Neural Networks</i> , <b>2011</b> , 22, 1328-34		194

628	Cascade Chaotic System With Applications. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 2001-12	10.2	193
627	Integral Barrier Lyapunov function-based adaptive control for switched nonlinear systems. <i>Science China Information Sciences</i> , <b>2020</b> , 63, 1	3.4	181
626	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
625	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2015</b> , 23, 1458-1473	8.3	177
624	Image encryption using a new parametric switching chaotic system. <i>Signal Processing</i> , <b>2013</b> , 93, 3039-3052	4.4	177
623	Neural-network-based adaptive leader-following consensus control for second-order non-linear multi-agent systems. <i>IET Control Theory and Applications</i> , <b>2015</b> , 9, 1927-1934	2.5	173
622	Reinforcement learning design-based adaptive tracking control with less learning parameters for nonlinear discrete-time MIMO systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2015</b> , 26, 165-76	10.3	173
621	Fuzzy Adaptive Finite-Time Control Design for Nontriangular Stochastic Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 172-184	8.3	169
620	Dimension Reduction Using Spatial and Spectral Regularized Local Discriminant Embedding for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2015</b> , 53, 1082-1095	8.1	167
619	Output-feedback adaptive neural control for stochastic nonlinear time-varying delay systems with unknown control directions. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2015</b> , 26, 1188-2017	10.3	166
618	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
617	Neural Networks-Based Adaptive Control for Nonlinear State Constrained Systems With Input Delay. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 1249-1258	10.2	164
616	Neural Controller Design-Based Adaptive Control for Nonlinear MIMO Systems With Unknown Hysteresis Inputs. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 9-19	10.2	162
615	A multiple-kernel fuzzy C-means algorithm for image segmentation. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2011</b> , 41, 1263-74		162
614	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
613	Universal Approximation Capability of Broad Learning System and Its Structural Variations. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 1191-1204	10.3	155
612	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
611	Adaptive NN controller design for a class of nonlinear MIMO discrete-time systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2015</b> , 26, 1007-18	10.3	141

610	Fuzzy Broad Learning System: A Novel Neuro-Fuzzy Model for Regression and Classification. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 414-424	10.2	140
609	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
608	A rapid learning and dynamic stepwise updating algorithm for flat neural networks and the application to time-series prediction. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>1999</b> , 29, 62-72		136
607	Predictive Deep Boltzmann Machine for Multiperiod Wind Speed Forecasting. <i>IEEE Transactions on Sustainable Energy</i> , <b>2015</b> , 6, 1416-1425	8.2	133
606	Fuzzy Restricted Boltzmann Machine for the Enhancement of Deep Learning. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2015</b> , 23, 2163-2173	8.3	132
605	Adaptive Fuzzy Control for a Class of Stochastic Pure-Feedback Nonlinear Systems With Unknown Hysteresis. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2016</b> , 24, 140-152	8.3	128
604	Adaptive Consensus of Nonlinear Multi-Agent Systems With Non-Identical Partially Unknown Control Directions and Bounded Modelling Errors. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 4654-4659	5.9	126
603	Extreme Learning Machine With Composite Kernels for Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2015</b> , 8, 2351-2360	4.7	125
602	Design of Highly Nonlinear Substitution Boxes Based on I-Ching Operators. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 3349-3358	10.2	125
601	Image encryption using binary bitplane. <i>Signal Processing</i> , <b>2014</b> , 100, 197-207	4.4	125
600	Adaptive least squares support vector machines filter for hand tremor canceling in microsurgery. <i>International Journal of Machine Learning and Cybernetics</i> , <b>2011</b> , 2, 37-47	3.8	123
599	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
598	Adaptive Neural Network Control for Active Suspension Systems With Time-Varying Vertical Displacement and Speed Constraints. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 9458-9466	8.9	117
597	Adaptive neural control for a class of nonlinear time-varying delay systems with unknown hysteresis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2014</b> , 25, 2129-40	10.3	115
596	Adaptive Neural Control of Uncertain MIMO Nonlinear Systems With State and Input Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 1318-1330	10.3	114
595	On Some Separated Algorithms for Separable Nonlinear Least Squares Problems. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 2866-2874	10.2	114
594	A rapid supervised learning neural network for function interpolation and approximation. <i>IEEE Transactions on Neural Networks</i> , <b>1996</b> , 7, 1220-30		113
593	Neural Network Filtering Control Design for Nontriangular Structure Switched Nonlinear Systems in Finite Time. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 2153-2162	10.3	113

592	Authentication and Access Control in the Internet of Things <b>2012</b> ,		111
591	Adaptive Robust Output Feedback Control for a Marine Dynamic Positioning System Based on a High-Gain Observer. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2015</b> , 26, 2775-86	10.3	110
590	Multiobjective Vehicle Routing Problems With Simultaneous Delivery and Pickup and Time Windows: Formulation, Instances, and Algorithms. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 582-94	10.2	107
589	Adaptive Tracking Control for A Class of Nonlinear Systems With a Fuzzy Dead-Zone Input. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2015</b> , 23, 193-204	8.3	107
588	Neural Network Controller Design for a Class of Nonlinear Delayed Systems With Time-Varying Full-State Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 2625-2636	10.3	104
587	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
586	Adaptive Neural Output Feedback Control of Output-Constrained Nonlinear Systems With Unknown Output Nonlinearity. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2015</b> , 26, 1789-802	10.3	98
585	Approximation-Based Adaptive Neural Tracking Control of Nonlinear MIMO Unknown Time-Varying Delay Systems With Full State Constraints. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 3100-3109	10.2	97
584	Adaptive Fuzzy Tracking Control of Nonlinear Time-Delay Systems With Dead-Zone Output Mechanism Based on a Novel Smooth Model. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2015</b> , 23, 1998-2011	8.3	97
583	Saturated Nussbaum Function Based Approach for Robotic Systems With Unknown Actuator Dynamics. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 2311-2322	10.2	97
582	Multimodal Estimation of Distribution Algorithms. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 636-650	10.2	96
581	Adaptive Fuzzy output-feedback controller design for nonlinear systems via backstepping and small-gain approach. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 1714-25	10.2	95
580	Medical image encryption using edge maps. <i>Signal Processing</i> , <b>2017</b> , 132, 96-109	4.4	95
579	Sliding mode leader-following consensus controllers for second-order non-linear multi-agent systems. <i>IET Control Theory and Applications</i> , <b>2015</b> , 9, 1544-1552	2.5	93
578	Intelligent Prognostics for Battery Health Monitoring Using the Mean Entropy and Relevance Vector Machine. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2014</b> , 44, 851-862	7.3	93
577	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
576	SeqViews2SeqLabels: Learning 3D Global Features via Aggregating Sequential Views by RNN With Attention. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> , 28, 658-672	8.7	91
575	Formation Control With Obstacle Avoidance for a Class of Stochastic Multiagent Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 5847-5855	8.9	90

574	Adaptive neural control for dual-arm coordination of humanoid robot with unknown nonlinearities in output mechanism. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 521-32	10.2	89
573	Recurrent Broad Learning Systems for Time Series Prediction. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 1405-1417	10.2	88
572	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 5752-5762	8.9	87
571	GCB-Net: Graph Convolutional Broad Network and Its Application in Emotion Recognition. <i>IEEE Transactions on Affective Computing</i> , <b>2019</b> , 1-1	5.7	85
570	Image encryption using P-Fibonacci transform and decomposition. <i>Optics Communications</i> , <b>2012</b> , 285, 594-608	2	85
569	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
568	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
567	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
566	Weighted Couple Sparse Representation With Classified Regularization for Impulse Noise Removal. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 4014-26	8.7	82
565	Fuzzy clustering with the entropy of attribute weights. <i>Neurocomputing</i> , <b>2016</b> , 198, 125-134	5.4	82
564	Event-Triggered Adaptive Control of Saturated Nonlinear Systems With Time-Varying Partial State Constraints. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 1485-1497	10.2	82
563	Bounded Neural Network Control for Target Tracking of Underactuated Autonomous Surface Vehicles in the Presence of Uncertain Target Dynamics. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 1241-1249	10.3	81
562	Underwater Internet of Things in Smart Ocean: System Architecture and Open Issues. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 4297-4307	11.9	80
561	Force Sensorless Admittance Control With Neural Learning for Robots With Actuator Saturation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 3138-3148	8.9	79
560	I-Ching Divination Evolutionary Algorithm and its Convergence Analysis. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 2-13	10.2	78
559	Adaptive Neural Control of a Kinematically Redundant Exoskeleton Robot Using Brain-Machine Interfaces. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 3558-3571	10.3	75
558	A new weighted mean filter with a two-phase detector for removing impulse noise. <i>Information Sciences</i> , <b>2015</b> , 315, 1-16	7.7	74
557	Adaptive Quantized Controller Design Via Backstepping and Stochastic Small-Gain Approach. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2016</b> , 24, 330-343	8.3	68

556	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2014</b> , 22, 1443-1456	8.3	67
555	An adaptive hybrid pattern for noise-robust texture analysis. <i>Pattern Recognition</i> , <b>2015</b> , 48, 2592-2608	7.7	65
554	Motor Learning and Generalization Using Broad Learning Adaptive Neural Control. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 8608-8617	8.9	65
553	Neural Adaptive Event-Triggered Control for Nonlinear Uncertain Stochastic Systems With Unknown Hysteresis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 3300-3312	10.3	62
552	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
551	Cooperative Path Following Ring-Networked Under-Actuated Autonomous Surface Vehicles: Algorithms and Experimental Results. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 1519-1529	10.2	62
550	Neural Approximation-Based Adaptive Control for a Class of Nonlinear Nonstrict Feedback Discrete-Time Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 1531-1541	10.3	61
549	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
548	Adaptive Tracking Control of Surface Vessel Using Optimized Backstepping Technique. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 3420-3431	10.2	60
547	. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>1993</b> , 23, 1359-1371		60
546	Adaptive Neural Network Learning Controller Design for a Class of Nonlinear Systems With Time-Varying State Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 66-75	10.3	59
545	SCADA communication and security issues. <i>Security and Communication Networks</i> , <b>2014</b> , 7, 175-194	1.9	56
544	Sparse discriminative multi-manifold embedding for one-sample face identification. <i>Pattern Recognition</i> , <b>2016</b> , 52, 249-259	7.7	55
543	3D2SeqViews: Aggregating Sequential Views for 3D Global Feature Learning by CNN With Hierarchical Attention Aggregation. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> , 28, 3986-3999	8.7	55
542	(n, k, p)-Gray code for image systems. <i>IEEE Transactions on Cybernetics</i> , <b>2013</b> , 43, 515-29	10.2	55
541	Disturbance Observer-Based Fuzzy Control of Uncertain MIMO Mechanical Systems With Input Nonlinearities and its Application to Robotic Exoskeleton. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 984-994	10.2	54
540	Regularized robust Broad Learning System for uncertain data modeling. <i>Neurocomputing</i> , <b>2018</b> , 322, 58-69	5.4	54
539	Discriminative graph regularized broad learning system for image recognition. <i>Science China Information Sciences</i> , <b>2018</b> , 61, 1	3.4	54

538	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
537	Actuator Failure Compensation-Based Adaptive Control of Active Suspension Systems With Prescribed Performance. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 7044-7053	8.9	53
536	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 2719-2731	8.3	52
535	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
534	Asymmetric Actuator Backlash Compensation in Quantized Adaptive Control of Uncertain Networked Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 294-307	10.3	51
533	The equivalence between fuzzy logic systems and feedforward neural networks. <i>IEEE Transactions on Neural Networks</i> , <b>2000</b> , 11, 356-65		51
532	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
531	Hyperspectral Imagery Classification Based on Semi-Supervised Broad Learning System. <i>Remote Sensing</i> , <b>2018</b> , 10, 685	5	50
530	Regularization parameter estimation for feedforward neural networks. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2003</b> , 33, 35-44		50
529	Adaptive NN Control Without Feasibility Conditions for Nonlinear State Constrained Stochastic Systems With Unknown Time Delays. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 4485-4494	10.2	48
528	ApLeaf: An efficient android-based plant leaf identification system. <i>Neurocomputing</i> , <b>2015</b> , 151, 1112-1119	9.4	48
527	A Data-Emergency-Aware Scheduling Scheme for Internet of Things in Smart Cities. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 2042-2051	11.9	48
526	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
525	Regional multifocus image fusion using sparse representation. <i>Optics Express</i> , <b>2013</b> , 21, 5182-97	3.3	48
524	Cluster number selection for a small set of samples using the Bayesian Ying-Yang model. <i>IEEE Transactions on Neural Networks</i> , <b>2002</b> , 13, 757-63		48
523	Adaptive leader-following formation control with collision avoidance for a class of second-order nonlinear multi-agent systems. <i>Neurocomputing</i> , <b>2019</b> , 350, 282-290	5.4	47
522	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
521	Modified Gram-Schmidt Method-Based Variable Projection Algorithm for Separable Nonlinear Models. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 2410-2418	10.3	46



520	Neural-Dynamic Optimization-Based Model Predictive Control for Tracking and Formation of Nonholonomic Multirobot Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 6113-6122	10.3	46
519	A Fuzzy Restricted Boltzmann Machine: Novel Learning Algorithms Based on the Crisp Possibilistic Mean Value of Fuzzy Numbers. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 117-130	8.3	46
518	Adaptive Reinforcement Learning Control Based on Neural Approximation for Nonlinear Discrete-Time Systems With Unknown Nonaffine Dead-Zone Input. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 295-305	10.3	46
517	Structured Manifold Broad Learning System: A Manifold Perspective for Large-Scale Chaotic Time Series Analysis and Prediction. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2019</b> , 31, 1809-1824	4.2	45
516	Optimized Adaptive Nonlinear Tracking Control Using Actor-Critic Reinforcement Learning Strategy. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 4969-4977	11.9	44
515	TOA-Based Passive Localization in Quasi-Synchronous Networks. <i>IEEE Communications Letters</i> , <b>2014</b> , 18, 592-595	3.8	44
514	Adaptive Neural Network Control for a DC Motor System with Dead-Zone. <i>Nonlinear Dynamics</i> , <b>2013</b> , 72, 141-147	5	44
513	Gradient Radial Basis Function Based Varying-Coefficient Autoregressive Model for Nonlinear and Nonstationary Time Series. <i>IEEE Signal Processing Letters</i> , <b>2015</b> , 22, 809-812	3.2	43
512	Dissipativity-Based Asynchronous Fuzzy Sliding Mode Control for T-S Fuzzy Hidden Markov Jump Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 4020-4030	10.2	43
511	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	41
510	Bandwidth degradation QoS provisioning for adaptive multimedia in wireless/mobile networks. <i>Computer Communications</i> , <b>2002</b> , 25, 1153-1161	5.1	41
509	Efficient algorithm for the reconstruction of 3D objects from orthographic projections. <i>CAD Computer Aided Design</i> , <b>1994</b> , 26, 699-717	2.9	41
508	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
507	Adaptive Neural Control of a Class of Stochastic Nonlinear Uncertain Systems With Guaranteed Transient Performance. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 2971-2981	10.2	41
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505	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
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190	The design of multi-agent based distributed energy system <b>2009</b> ,		4
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67	Optimization of combined kernel function for SVM by Particle Swarm Optimization <b>2009</b> ,		1
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