

Mohammad Javad Yazdanpanah

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.

159
papers

1,309
citations

20
h-index

29
g-index

203
ext. papers

1,608
ext. citations

3
avg, IF

5.1
L-index

#	Paper	IF	Citations
159	Robust output regulation for voltage control in DC networks with time-varying loads. <i>Automatica</i> , 2022 , 135, 109997	5.7	1
158	Optimized cyber-attack detection method of power systems using sliding mode observer. <i>Electric Power Systems Research</i> , 2022 , 205, 107745	3.5	1
157	Analysis and robust passivity-based control of zero-voltage switching quasi-resonant Cuk converter. <i>IET Power Electronics</i> , 2021 , 14, 1409-1420	2.2	0
156	A robust passivity based control strategy for quasi-resonant converters. <i>IET Power Electronics</i> , 2021 , 14, 1360-1370	2.2	0
155	Immersion and invariance-based extended state observer design for a class of nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 6233-6254	3.6	0
154	Output Regulation for Voltage Control in DC Networks With Time-Varying Loads 2021 , 5, 797-802		5
153	A Successive Pseudo-Spectral-Based Approximation of the Solution of Regulator Equations. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	
152	Output Regulation for Load Frequency Control. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 1-15	4.8	2
151	Optimal Selection of Informed Agents for Influence Opposition. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 8, 20-32	4.5	1
150	Distributed trust-based unscented Kalman filter for non-linear state estimation under cyber-attacks: The application of manoeuvring target tracking over wireless sensor networks. <i>IET Control Theory and Applications</i> , 2021 , 15, 1987-1998	2.5	1
149	Self-triggered impulsive control of nonlinear time delay systems: Application to chemotherapeutic dose-regimen design. <i>Nonlinear Analysis: Hybrid Systems</i> , 2021 , 41, 101047	4.5	1
148	Sliding mode control revisited. <i>Transactions of the Institute of Measurement and Control</i> , 2020 , 42, 2698-2707		1
147	Global Stabilization of Uncertain Lotka-Volterra Systems via Positive Nonlinear State Feedback. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 5450-5455	5.9	1
146	Passivity properties for regulation of DC networks with stochastic load demand. <i>IFAC-PapersOnLine</i> , 2020 , 53, 13113-13118	0.7	0
145	Spacecraft formation flying in the port-Hamiltonian framework. <i>Nonlinear Dynamics</i> , 2020 , 99, 2765-2783		0
144	A New Tumor-Immunotherapy Regimen based on Impulsive Control Strategy. <i>Biomedical Signal Processing and Control</i> , 2020 , 57, 101763	4.9	4
143	Stability analysis of a class of non-simultaneous interconnected impulsive systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 83, 105141	3.7	1

142	Finite time consensus of nonlinear multi-agent systems in the presence of communication time delays. <i>European Journal of Control</i> , 2020 , 53, 10-19	2.5	6
141	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 1-1	5.5	4
140	Adaptive controller design with prescribed performance for switched nonstrict feedback nonlinear systems with actuator failures. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020 , 34, 1447-1465	2.8	0
139	Nonlinear Asymptotic Attitude Estimation Using Double GPS Receivers and Gyro. <i>IEEE Transactions on Control Systems Technology</i> , 2020 , 28, 1579-1585	4.8	1
138	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019 , 24, 1541-1552	5.5	14
137	Concurrent design of controller and passive elements for robots with impulsive actuation systems. <i>Control Engineering Practice</i> , 2019 , 86, 166-174	3.9	3
136	Distributed Optimal Microgrid Energy Management With Considering Stochastic Load. <i>IEEE Transactions on Sustainable Energy</i> , 2019 , 10, 729-737	8.2	31
135	Global Stabilization of Lotka-Volterra Systems With Interval Uncertainty. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 1209-1213	5.9	7
134	Structure Preserving Observer Design for Port-Hamiltonian Systems. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 1214-1220	5.9	14
133	Polarization in cooperative networks through optimal placement of informed agents. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 536, 120936	3.3	1
132	Constrained control approach for monotone systems: application to tumour chemotherapy. <i>IET Control Theory and Applications</i> , 2019 , 13, 996-1005	2.5	2
131	Output control design and separation principle for a class of port-Hamiltonian systems. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 867-881	3.6	3
130	Stability analysis of a class of uncertain switched time-delay systems with sliding modes. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 19-42	3.6	7
129	Robust switching signal estimation for a class of uncertain nonlinear switched systems. <i>International Journal of Control</i> , 2019 , 92, 1094-1102	1.5	1
128	Continuous control of sampled data systems with robustness against bounded measurement errors. <i>Transactions of the Institute of Measurement and Control</i> , 2018 , 40, 3125-3133	1.8	1
127	Modeling, control and analysis of a curved feet compliant biped with HZD approach. <i>Nonlinear Dynamics</i> , 2018 , 91, 459-473	5	6
126	Equilibratability of Control Systems 2018 ,		2
125	Model Reduction of Nonlinear Systems by Trajectory Piecewise Linear Based on Output-Weighting Models: A Balanced-Truncation Methodology. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2018 , 42, 195-206	1.9	2

124	On Stability and Trajectory Boundedness of Lotka-Volterra Systems With Polytopic Uncertainty. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 6423-6429	5.9	7
123	Compliance and frequency optimization for energy efficiency in cyclic tasks. <i>Robotica</i> , 2017 , 35, 2363-2380		7
122	Benefiting From Kinematic Redundancy Alongside Mono- and Biarticular Parallel Compliances for Energy Efficiency in Cyclic Tasks. <i>IEEE Transactions on Robotics</i> , 2017 , 33, 1088-1102	6.5	10
121	Padé-like approximation and its application in domain of attraction estimation. <i>IMA Journal of Mathematical Control and Information</i> , 2017 , dnw071	1.1	2
120	Formulation and Numerical Solution for Fractional Order Time Optimal Control Problem Using Pontryagin's Minimum Principle. <i>IFAC-PapersOnLine</i> , 2017 , 50, 9224-9229	0.7	5
119	Model order reduction of nonlinear models based on decoupled multi-model via trajectory piecewise linearization. <i>International Journal of Control, Automation and Systems</i> , 2017 , 15, 2088-2098	2.9	5
118	Trajectory tracking for a class of contractive port Hamiltonian systems. <i>Automatica</i> , 2017 , 83, 331-336	5.7	14
117	Optimal Dynamic Lyapunov Function and The Largest Estimation of Domain of Attraction. <i>IFAC-PapersOnLine</i> , 2017 , 50, 2645-2650	0.7	0
116	Robust adaptive passivity-based control of open-loop unstable affine non-linear systems subject to actuator saturation. <i>IET Control Theory and Applications</i> , 2017 , 11, 2731-2742	2.5	21
115	Comparison of Autoimmune Thyroid Disease in Patients With Progressive and Stable Vitiligo. <i>Journal of Cutaneous Medicine and Surgery</i> , 2016 , 20, 135-8	1.6	2
114	Design and implementation of a nonlinear controller for thermal cyler with application to DNA amplification. <i>Transactions of the Institute of Measurement and Control</i> , 2016 , 38, 293-304	1.8	
113	Estimation of the domain of attraction of free tumor equilibrium point of perturbed tumor immunotherapy model 2016 ,		1
112	Robust finite-time stabilization of uncertain nonlinear systems based on partial stability. <i>Nonlinear Dynamics</i> , 2016 , 85, 87-96	5	23
111	A chain observer for nonlinear long constant delay systems: A matrix inequality approach. <i>Automatica</i> , 2016 , 65, 164-169	5.7	20
110	Design and Implementation of a Distributed Variable Impedance Actuator Using Parallel Linear Springs. <i>Journal of Mechanisms and Robotics</i> , 2016 , 8,	2.2	7
109	Nonlinear Multiobjective Time-Dependent TF/TA Trajectory Planning Using a Network FlowBased Algorithm. <i>Journal of Aerospace Engineering</i> , 2016 , 29, 04015041	1.4	3
108	New strategies in model order reduction of trajectory piecewise-linear models. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2016 , 29, 707-725	1	4
107	Adaptive Dynamic Surface Control of Bouc-Wen Hysteretic Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2016 , 138,	1.6	5

106	Stability analysis for a class of nonlinear switched systems using variational principle. <i>Journal of the Franklin Institute</i> , 2016 , 353, 4133-4155	4	2
105	Evaluation of blood and urinary mercury in pemphigus vulgaris and pemphigus foliaceus patients and its comparison with control group. <i>Indian Journal of Dermatology, Venereology and Leprology</i> , 2015 , 81, 225	0.8	1
104	Sliding mode pulse width modulation for voltage control of a Voltage Source Inverter 2015 ,		1
103	Multi-objective trajectory planning over terrain using label-setting greedy-based algorithm. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2015 , 229, 1435-1453	0.9	2
102	MIMO sliding mode and backstepping control for a quadrotor UAV 2015 ,		10
101	Delay Compensation of Tilt Sensors Based on MEMS Accelerometer Using Data Fusion Technique. <i>IEEE Sensors Journal</i> , 2015 , 15, 1959-1966	4	25
100	Integration of multiple model based fault detection and nonlinear model predictive fault-tolerant control. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2015 , 10, 547-553	1	1
99	Designing supervised local neural network classifiers based on EM clustering for fault diagnosis of Tennessee Eastman process. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015 , 146, 149-157	3.8	28
98	Evaluation between Association of Psoriasis and Vitiligo. <i>Journal of Cutaneous Medicine and Surgery</i> , 2015 , 19, 140-3	1.6	3
97	Trajectory tracking of a class of port Hamiltonian systems using Timed IDA-PBC technique 2015 ,		4
96	Application of Finite-Time Integral Sliding Mode to Guidance Law Design. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	11
95	Designing a deep brain stimulator to suppress pathological neuronal synchrony. <i>Neural Networks</i> , 2015 , 63, 282-92	9.1	2
94	Apigenin modulates the expression levels of pro-inflammatory mediators to reduce the human insulin amyloid-induced oxidant damages in SK-N-MC cells. <i>Human and Experimental Toxicology</i> , 2015 , 34, 642-53	3.4	6
93	Performance enhanced model reference adaptive control through switching non-quadratic Lyapunov functions. <i>Systems and Control Letters</i> , 2015 , 76, 47-55	2.4	39
92	A new class of multi-stable neural networks: stability analysis and learning process. <i>Neural Networks</i> , 2015 , 65, 53-64	9.1	6
91	Automatic bottom-following for underwater robotic vehicles. <i>Automatica</i> , 2014 , 50, 2155-2162	5.7	18
90	Multiple Model-Based Fault Detection and Diagnosis for Nonlinear Model Predictive Fault-Tolerant Control. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 7433-7442		7
89	Integrated nonlinear model predictive fault tolerant control and multiple model based fault detection and diagnosis. <i>Chemical Engineering Research and Design</i> , 2014 , 92, 340-349	5.5	20

88	Desynchronization of coupled limit-cycle oscillators through nonlinear output regulation. <i>Systems and Control Letters</i> , 2014 , 71, 38-43	2.4	5
87	Extensions in dynamic models of happiness: effect of memory. <i>International Journal of Happiness and Development</i> , 2014 , 1, 344	0.4	14
86	Constrained optimal terrain following/threat avoidance trajectory planning using network flow. <i>Aeronautical Journal</i> , 2014 , 118, 523-539	0.9	4
85	DESYNCHRONIZATION OF TWO COUPLED LIMIT-CYCLE OSCILLATORS USING AN ASTROCYTE-INSPIRED CONTROLLER. <i>International Journal of Biomathematics</i> , 2014 , 07, 1450001	1.8	3
84	Observer design for a class of nonlinear systems with long delay in output measurements: an LMI approach 2014 ,		2
83	Adaptive state observer for Lipschitz nonlinear systems. <i>Systems and Control Letters</i> , 2013 , 62, 319-323	2.4	53
82	H ∞ Control of T-S Fuzzy Singularly Perturbed Systems Using Multiple Lyapunov Functions. <i>Circuits, Systems, and Signal Processing</i> , 2013 , 32, 2243-2266	2.2	11
81	Synchrony suppression in ensembles of coupled oscillators via adaptive vanishing feedback. <i>Chaos</i> , 2013 , 23, 033122	3.3	20
80	Incommensurate order fractional optimal control: Application to treatment of psychiatric disorders 2013 ,		5
79	Friction compensation of double inverted pendulum on a cart using locally linear neuro-fuzzy model. <i>Neural Computing and Applications</i> , 2013 , 22, 337-347	4.8	15
78	Set-point regulation of monotone systems using the monotone small-gain theorem. <i>IET Control Theory and Applications</i> , 2013 , 7, 447-454	2.5	3
77	A sliding-mode controller for dual-user teleoperation with unknown constant time delays. <i>Robotica</i> , 2013 , 31, 589-598	2.1	10
76	Compliant hip function simplifies control for hopping and running 2013 ,		6
75	Robust hopping based on virtual pendulum posture control. <i>Bioinspiration and Biomimetics</i> , 2013 , 8, 036002		31
74	A MATHEMATICAL APPROACH TO DESYNCHRONIZATION OF COUPLED OSCILLATORS: APPLICATION TO A NEURONAL ENSEMBLE. <i>International Journal of Biomathematics</i> , 2013 , 06, 1350009	1.8	3
73	Partial stabilization of uncertain nonlinear systems. <i>ISA Transactions</i> , 2012 , 51, 298-303	5.5	16
72	Robust trajectory modification for tip position tracking of flexible-link manipulators. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2012 , 226, 523-536	1.3	3
71	On dynamic models of human emotion 2012 ,		6

70	Predictive control of uncertain nonlinear parabolic PDE systems using a Galerkin/neural-network-based model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 388-404	3.7	22
69	Practical Output Regulation of Uncertain Strict-Feedback Form Systems. <i>Asian Journal of Control</i> , 2012 , 14, 1123-1126	1.7	1
68	Adaptive control of uncertain nonlinear systems using mixed backstepping and Lyapunov redesign techniques. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 3367-3380	3.7	16
67	Controllers for robust hopping with upright trunk based on the Virtual Pendulum concept 2012 ,		17
66	Robust partial control design for non-linear control systems: a guidance application. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2012 , 226, 233-242	1.4	5
65	Robust Tracking of a Class of Perturbed Nonlinear Systems via Multivariable Nested Sliding Mode Control. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2012 , 134,	1.6	3
64	An association of human papillomaviruses low risk and high risk subtypes with skin tag. <i>Iranian Journal of Basic Medical Sciences</i> , 2012 , 15, 840-4	1.8	4
63	2011 ,		10
62	Analytic Approximate Solution to The Nonlinear Output Regulation Problem Using Galerkin Approximation Method. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 1392-1397		0
61	Set-point Regulation of Constrained Strongly Monotone Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 11030-11035		3
60	IDFC: A new approach to control bifurcation in TCP/RED. <i>Journal of Network and Computer Applications</i> , 2011 , 34, 2042-2050	7.9	4
59	A finite-time tracker for nonholonomic systems using recursive singularity-free FTSM 2011 ,		47
58	Seabed tracking of an autonomous underwater vehicle with nonlinear output regulation 2011 ,		5
57	An enhanced fuzzy H _∞ estimator applied to low-cost attitude-heading reference system. <i>Kybernetes</i> , 2011 , 40, 300-326	2	10
56	Partial Stabilization Approach to 3-Dimensional Guidance Law Design. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2011 , 133,	1.6	4
55	Robust Stabilization for a Class of Nonlinear Singularly Perturbed Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2011 , 133,	1.6	10
54	Using PCA and LVQ neural network for automatic recognition of five types of white blood cells. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 5593-6	0.9	13
53	A control architecture for dual user teleoperation with unknown time delays: A sliding mode approach 2010 ,		12

52	Identification of a Variable Mass Underwater Vehicle Via Volterra Neural Network. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2010 , 132,	1.6	4
51	Comments on "Controller Synthesis of Fuzzy-Dynamic Systems Based on Piecewise Lyapunov Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2010 , 18, 227-228	8.3	1
50	Tip position tracking of flexible-link manipulators based on online robust trajectory modification 2010 ,		2
49	Integration of non-linear H _∞ and sliding mode control techniques for motion control of a permanent magnet synchronous motor. <i>IET Electric Power Applications</i> , 2010 , 4, 267	1.8	30
48	Stabilization of nonlinear systems with a slowly varying parameter by a control Lyapunov function. <i>ISA Transactions</i> , 2010 , 49, 215-21	5.5	9
47	Robust adaptive synchronization of different uncertain chaotic systems subject to input nonlinearity. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010 , 15, 430-441	3.7	50
46	A Spatial Logistic Regression Model for Simulating Land Use Patterns: A Case Study of the Shiraz Metropolitan Area of Iran 2010 , 27-42		13
45	Multiscale cancer modeling: In the line of fast simulation and chemotherapy. <i>Mathematical and Computer Modelling</i> , 2009 , 49, 1449-1464		4
44	Design of a feedforward controller for AFM nanopositioning based on neural network control theory 2009 ,		1
43	ROBUST CONTROL FOR A CLASS OF UNCERTAIN STATE-DELAYED SINGULARLY PERTURBED SYSTEMS. <i>Asian Journal of Control</i> , 2008 , 7, 202-208	1.7	14
42	Analysis of the dynamical behavior of a feedback auto-associative memory. <i>Neurocomputing</i> , 2008 , 71, 486-494	5.4	7
41	Nonlinear Control and Disturbance Decoupling of HVAC Systems Using Feedback Linearization and Backstepping With Load Estimation. <i>IEEE Transactions on Control Systems Technology</i> , 2008 , 16, 918-929	4.8	32
40	2008 ,		1
39	Oral poliovirus vaccine in management of recurrent aphthous stomatitis. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2008 , 55, 343-50	1.8	5
38	CHEMOTHERAPY USING LINEAR ANALYSIS AND SWARM INTELLIGENCE. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 5233-5238		1
37	Nonlinear optimal control of washing machine based on approximate solution of HJB equation. <i>Optimal Control Applications and Methods</i> , 2008 , 29, 1-18	1.7	3
36	Wave hindcasting by coupling numerical model and artificial neural networks. <i>Ocean Engineering</i> , 2008 , 35, 417-425	3.9	38
35	Channel Assignment using Chaotic Simulated Annealing Enhanced Hopfield Neural Network 2006 ,		2

34	Modeling the cyclic swelling pressure of mudrock using artificial neural networks. <i>Engineering Geology</i> , 2006 , 87, 178-194	6	21
33	Modeling and Control of Linear Two-time Scale Systems: Applied to Single-Link Flexible Manipulator. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2006 , 45, 235-265	2.9	40
32	A new modeling approach to single-link flexible manipulator using singular perturbation method. <i>Electrical Engineering</i> , 2006 , 88, 375-382	1.5	7
31	Transient stability enhancement of power systems via optimal nonlinear state feedback control. <i>Electrical Engineering</i> , 2006 , 89, 149-156	1.5	5
30	Semi-Global Enlargement of Domain of Attraction for a Class of Affine Nonlinear Systems 2006 ,		2
29	Network routing based on reinforcement learning in dynamically changing networks 2005 ,		7
28	NONLINEAR CONTROL, DISTURBANCE DECOUPLING AND LOAD ESTIMATION IN HVAC SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 177-182		
27	LOCALLY CONSTRAINED OPTIMAL AND GLOBALLY STABLE BACKSTEPPING DESIGN. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 925-930		
26	ROBUST REGULATION OF A CLASS OF NONLINEAR SINGULARLY PERTURBED SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 393-398		
25	A NEW ACTIVE QUEUE MANAGEMENT ALGORITHM BASED ON NEURAL NETWORKS PI. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 1-6		3
24	Stabilisation and improvement of performance by extension of universal formula in the presence of disturbance. <i>IET Control Theory and Applications</i> , 2005 , 152, 229-237		
23	Reconfigurable control system design using eigenstructure assignment: static, dynamic and robust approaches. <i>International Journal of Control</i> , 2005 , 78, 1005-1016	1.5	26
22	Sliding Mode Congestion Control in Differentiated Service Communication Networks. <i>Lecture Notes in Computer Science</i> , 2004 , 99-108	0.9	5
21	Axial offset control of PWR nuclear reactor core using intelligent techniques. <i>Nuclear Engineering and Design</i> , 2004 , 227, 285-300	1.8	18
20	Digital Sliding Mode Position Control of an Induction Motor. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 169-174		1
19	Feedback Linearization with Sliding Mode Control of Current and Arc Length in GMA W Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 541-545		1
18	Generalization of CLF-based nonlinear control systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 59-64		
17	2003 ,		5

16	Transient control and voltage regulation of power systems using approximate solution of HJB equation 2003 ,		1
15	Identification and control of a nuclear reactor core (VVER) using recurrent neural networks and fuzzy systems. <i>IEEE Transactions on Nuclear Science</i> , 2003 , 50, 159-174	1.7	34
14	Robust regulation of a class of nonlinear systems using singular perturbation approach 2003 ,		2
13	ROBUST CONTROL FOR A CLASS OF UNCERTAIN STATE-DELAYED SINGULARLY PERTURBED SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2002 , 35, 313-318		
12	Two approximate solutions to HJI equation via state dependent Riccati equation 2001 ,		2
11	On the estimate of the domain of validity of non-linear H infinity control. <i>International Journal of Control</i> , 1999 , 72, 1097-1105	1.5	12
10	Uncertainty compensation for a flexible-link manipulator using nonlinear H control. <i>International Journal of Control</i> , 1998 , 69, 753-771	1.5	26
9	Designing a linear controller for polynomial systems with the largest domain of attraction via LMIs		5
8	Stability analysis of sensorless IM based on adaptive feedback linearization control with unknown stator and rotor resistances		3
7			1
6	Air/fuel ratio control in SI1 engines using a combined neural network and estimator		3
5	Stabilization of inertia wheel pendulum using output feedback back-stepping		1
4	Minimization of actuator repositioning in delayed processes using flexible neural networks		1
3	Nonlinear control and disturbance decoupling of an HVAC system via feedback linearization and back-stepping		11
2	Reconfigurable sliding-mode control design using genetic algorithms and eigenstructure assignment		2
1	Increasing the robustness of Acrobot walking control using compliant mechanisms		1