

# Mohammad Javad Yazdanpanah

## 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.

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	Adaptive state observer for Lipschitz nonlinear systems. <i>Systems and Control Letters</i> , <b>2013</b> , 62, 319-323	2.4	53
158	Robust adaptive synchronization of different uncertain chaotic systems subject to input nonlinearity. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2010</b> , 15, 430-441	3.7	50
157	A finite-time tracker for nonholonomic systems using recursive singularity-free FTSM <b>2011</b> ,		47
156	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> , <b>2006</b> , 45, 235-265	2.9	40
155	Performance enhanced model reference adaptive control through switching non-quadratic Lyapunov functions. <i>Systems and Control Letters</i> , <b>2015</b> , 76, 47-55	2.4	39
154	Wave hindcasting by coupling numerical model and artificial neural networks. <i>Ocean Engineering</i> , <b>2008</b> , 35, 417-425	3.9	38
153	Identification and control of a nuclear reactor core (VVER) using recurrent neural networks and fuzzy systems. <i>IEEE Transactions on Nuclear Science</i> , <b>2003</b> , 50, 159-174	1.7	34
152	Nonlinear Control and Disturbance Decoupling of HVAC Systems Using Feedback Linearization and Backstepping With Load Estimation. <i>IEEE Transactions on Control Systems Technology</i> , <b>2008</b> , 16, 918-929	4.8	32
151	Distributed Optimal Microgrid Energy Management With Considering Stochastic Load. <i>IEEE Transactions on Sustainable Energy</i> , <b>2019</b> , 10, 729-737	8.2	31
150	Robust hopping based on virtual pendulum posture control. <i>Bioinspiration and Biomimetics</i> , <b>2013</b> , 8, 036002	0.02	31
149	Integration of non-linear H <sub>∞</sub> and sliding mode control techniques for motion control of a permanent magnet synchronous motor. <i>IET Electric Power Applications</i> , <b>2010</b> , 4, 267	1.8	30
148	Designing supervised local neural network classifiers based on EM clustering for fault diagnosis of Tennessee Eastman process. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2015</b> , 146, 149-157	3.8	28
147	Uncertainty compensation for a flexible-link manipulator using nonlinear H control. <i>International Journal of Control</i> , <b>1998</b> , 69, 753-771	1.5	26
146	Reconfigurable control system design using eigenstructure assignment: static, dynamic and robust approaches. <i>International Journal of Control</i> , <b>2005</b> , 78, 1005-1016	1.5	26
145	Delay Compensation of Tilt Sensors Based on MEMS Accelerometer Using Data Fusion Technique. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 1959-1966	4	25
144	Robust finite-time stabilization of uncertain nonlinear systems based on partial stability. <i>Nonlinear Dynamics</i> , <b>2016</b> , 85, 87-96	5	23
143	Predictive control of uncertain nonlinear parabolic PDE systems using a Galerkin/neural-network-based model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2012</b> , 17, 388-404	3.7	22

142	Robust adaptive passivity-based control of open-loop unstable affine non-linear systems subject to actuator saturation. <i>IET Control Theory and Applications</i> , <b>2017</b> , 11, 2731-2742	2.5	21
141	Modeling the cyclic swelling pressure of mudrock using artificial neural networks. <i>Engineering Geology</i> , <b>2006</b> , 87, 178-194	6	21
140	A chain observer for nonlinear long constant delay systems: A matrix inequality approach. <i>Automatica</i> , <b>2016</b> , 65, 164-169	5.7	20
139	Integrated nonlinear model predictive fault tolerant control and multiple model based fault detection and diagnosis. <i>Chemical Engineering Research and Design</i> , <b>2014</b> , 92, 340-349	5.5	20
138	Synchrony suppression in ensembles of coupled oscillators via adaptive vanishing feedback. <i>Chaos</i> , <b>2013</b> , 23, 033122	3.3	20
137	Automatic bottom-following for underwater robotic vehicles. <i>Automatica</i> , <b>2014</b> , 50, 2155-2162	5.7	18
136	Axial offset control of PWR nuclear reactor core using intelligent techniques. <i>Nuclear Engineering and Design</i> , <b>2004</b> , 227, 285-300	1.8	18
135	Controllers for robust hopping with upright trunk based on the Virtual Pendulum concept <b>2012</b> ,		17
134	Partial stabilization of uncertain nonlinear systems. <i>ISA Transactions</i> , <b>2012</b> , 51, 298-303	5.5	16
133	Adaptive control of uncertain nonlinear systems using mixed backstepping and Lyapunov redesign techniques. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2012</b> , 17, 3367-3380	3.7	16
132	Friction compensation of double inverted pendulum on a cart using locally linear neuro-fuzzy model. <i>Neural Computing and Applications</i> , <b>2013</b> , 22, 337-347	4.8	15
131	. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2019</b> , 24, 1541-1552	5.5	14
130	Structure Preserving Observer Design for Port-Hamiltonian Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 1214-1220	5.9	14
129	Extensions in dynamic models of happiness: effect of memory. <i>International Journal of Happiness and Development</i> , <b>2014</b> , 1, 344	0.4	14
128	Trajectory tracking for a class of contractive port Hamiltonian systems. <i>Automatica</i> , <b>2017</b> , 83, 331-336	5.7	14
127	ROBUST CONTROL FOR A CLASS OF UNCERTAIN STATE-DELAYED SINGULARLY PERTURBED SYSTEMS. <i>Asian Journal of Control</i> , <b>2008</b> , 7, 202-208	1.7	14
126	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> , <b>2010</b> , 2010, 5593-6	0.9	13
125	A Spatial Logistic Regression Model for Simulating Land Use Patterns: A Case Study of the Shiraz Metropolitan Area of Iran <b>2010</b> , 27-42		13

124	A control architecture for dual user teleoperation with unknown time delays: A sliding mode approach <b>2010</b> ,		12
123	On the estimate of the domain of validity of non-linear H infinity control. <i>International Journal of Control</i> , <b>1999</b> , 72, 1097-1105	1.5	12
122	H $\infty$ Control of T-S Fuzzy Singularly Perturbed Systems Using Multiple Lyapunov Functions. <i>Circuits, Systems, and Signal Processing</i> , <b>2013</b> , 32, 2243-2266	2.2	11
121	Application of Finite-Time Integral Sliding Mode to Guidance Law Design. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2015</b> , 137,	1.6	11
120	Nonlinear control and disturbance decoupling of an HVAC system via feedback linearization and back-stepping		11
119	Benefiting From Kinematic Redundancy Alongside Mono- and Biarticular Parallel Compliances for Energy Efficiency in Cyclic Tasks. <i>IEEE Transactions on Robotics</i> , <b>2017</b> , 33, 1088-1102	6.5	10
118	MIMO sliding mode and backstepping control for a quadrotor UAV <b>2015</b> ,		10
117	A sliding-mode controller for dual-user teleoperation with unknown constant time delays. <i>Robotica</i> , <b>2013</b> , 31, 589-598	2.1	10
116	<b>2011</b> ,		10
115	An enhanced fuzzy H $\infty$ estimator applied to low-cost attitude-heading reference system. <i>Kybernetes</i> , <b>2011</b> , 40, 300-326	2	10
114	Robust Stabilization for a Class of Nonlinear Singularly Perturbed Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2011</b> , 133,	1.6	10
113	Stabilization of nonlinear systems with a slowly varying parameter by a control Lyapunov function. <i>ISA Transactions</i> , <b>2010</b> , 49, 215-21	5.5	9
112	On Stability and Trajectory Boundedness of Lotka-Volterra Systems With Polytopic Uncertainty. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 6423-6429	5.9	7
111	Compliance and frequency optimization for energy efficiency in cyclic tasks. <i>Robotica</i> , <b>2017</b> , 35, 2363-2380		7
110	Design and Implementation of a Distributed Variable Impedance Actuator Using Parallel Linear Springs. <i>Journal of Mechanisms and Robotics</i> , <b>2016</b> , 8,	2.2	7
109	Global Stabilization of Lotka-Volterra Systems With Interval Uncertainty. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 1209-1213	5.9	7
108	Multiple Model-Based Fault Detection and Diagnosis for Nonlinear Model Predictive Fault-Tolerant Control. <i>Arabian Journal for Science and Engineering</i> , <b>2014</b> , 39, 7433-7442		7
107	Analysis of the dynamical behavior of a feedback auto-associative memory. <i>Neurocomputing</i> , <b>2008</b> , 71, 486-494	5.4	7

106	Network routing based on reinforcement learning in dynamically changing networks <b>2005</b> ,		7
105	A new modeling approach to single-link flexible manipulator using singular perturbation method. <i>Electrical Engineering</i> , <b>2006</b> , 88, 375-382	1.5	7
104	Stability analysis of a class of uncertain switched time-delay systems with sliding modes. <i>International Journal of Robust and Nonlinear Control</i> , <b>2019</b> , 29, 19-42	3.6	7
103	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> , <b>2015</b> , 34, 642-53	3.4	6
102	A new class of multi-stable neural networks: stability analysis and learning process. <i>Neural Networks</i> , <b>2015</b> , 65, 53-64	9.1	6
101	On dynamic models of human emotion <b>2012</b> ,		6
100	Compliant hip function simplifies control for hopping and running <b>2013</b> ,		6
99	Finite time consensus of nonlinear multi-agent systems in the presence of communication time delays. <i>European Journal of Control</i> , <b>2020</b> , 53, 10-19	2.5	6
98	Modeling, control and analysis of a curved feet compliant biped with HZD approach. <i>Nonlinear Dynamics</i> , <b>2018</b> , 91, 459-473	5	6
97	Formulation and Numerical Solution for Fractional Order Time Optimal Control Problem Using Pontryagin's Minimum Principle. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 9224-9229	0.7	5
96	Desynchronization of coupled limit-cycle oscillators through nonlinear output regulation. <i>Systems and Control Letters</i> , <b>2014</b> , 71, 38-43	2.4	5
95	Incommensurate order fractional optimal control: Application to treatment of psychiatric disorders <b>2013</b> ,		5
94	Model order reduction of nonlinear models based on decoupled multi-model via trajectory piecewise linearization. <i>International Journal of Control, Automation and Systems</i> , <b>2017</b> , 15, 2088-2098	2.9	5
93	Seabed tracking of an autonomous underwater vehicle with nonlinear output regulation <b>2011</b> ,		5
92	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> , <b>2012</b> , 226, 233-242	1	5
91	Oral poliovirus vaccine in management of recurrent aphthous stomatitis. <i>Acta Microbiologica Et Immunologica Hungarica</i> , <b>2008</b> , 55, 343-50	1.8	5
90	Designing a linear controller for polynomial systems with the largest domain of attraction via LMIs		5
89	Transient stability enhancement of power systems via optimal nonlinear state feedback control. <i>Electrical Engineering</i> , <b>2006</b> , 89, 149-156	1.5	5

88	<b>2003,</b>		5
87	Sliding Mode Congestion Control in Differentiated Service Communication Networks. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 99-108	0.9	5
86	Adaptive Dynamic Surface Control of Bouc-Wen Hysteretic Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2016</b> , 138,	1.6	5
85	Output Regulation for Voltage Control in DC Networks With Time-Varying Loads <b>2021</b> , 5, 797-802		5
84	Constrained optimal terrain following/threat avoidance trajectory planning using network flow. <i>Aeronautical Journal</i> , <b>2014</b> , 118, 523-539	0.9	4
83	Trajectory tracking of a class of port Hamiltonian systems using Timed IDA-PBC technique <b>2015</b> ,		4
82	IDFC: A new approach to control bifurcation in TCP/RED. <i>Journal of Network and Computer Applications</i> , <b>2011</b> , 34, 2042-2050	7.9	4
81	Identification of a Variable Mass Underwater Vehicle Via Volterra Neural Network. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2010</b> , 132,	1.6	4
80	Multiscale cancer modeling: In the line of fast simulation and chemotherapy. <i>Mathematical and Computer Modelling</i> , <b>2009</b> , 49, 1449-1464		4
79	Partial Stabilization Approach to 3-Dimensional Guidance Law Design. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2011</b> , 133,	1.6	4
78	An association of human papillomaviruses low risk and high risk subtypes with skin tag. <i>Iranian Journal of Basic Medical Sciences</i> , <b>2012</b> , 15, 840-4	1.8	4
77	A New Tumor-Immunotherapy Regimen based on Impulsive Control Strategy. <i>Biomedical Signal Processing and Control</i> , <b>2020</b> , 57, 101763	4.9	4
76	. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2020</b> , 1-1	5.5	4
75	New strategies in model order reduction of trajectory piecewise-linear models. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , <b>2016</b> , 29, 707-725	1	4
74	Concurrent design of controller and passive elements for robots with impulsive actuation systems. <i>Control Engineering Practice</i> , <b>2019</b> , 86, 166-174	3.9	3
73	Nonlinear Multiobjective Time-Dependent TF/TA Trajectory Planning Using a Network FlowBased Algorithm. <i>Journal of Aerospace Engineering</i> , <b>2016</b> , 29, 04015041	1.4	3
72	Evaluation between Association of Psoriasis and Vitiligo. <i>Journal of Cutaneous Medicine and Surgery</i> , <b>2015</b> , 19, 140-3	1.6	3
71	DESYNCHRONIZATION OF TWO COUPLED LIMIT-CYCLE OSCILLATORS USING AN ASTROCYTE-INSPIRED CONTROLLER. <i>International Journal of Biomathematics</i> , <b>2014</b> , 07, 1450001	1.8	3

70	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> , <b>2012</b> , 226, 523-536	1.8	3
69	Set-point regulation of monotone systems using the monotone small-gain theorem. <i>IET Control Theory and Applications</i> , <b>2013</b> , 7, 447-454	2.5	3
68	A MATHEMATICAL APPROACH TO DESYNCHRONIZATION OF COUPLED OSCILLATORS: APPLICATION TO A NEURONAL ENSEMBLE. <i>International Journal of Biomathematics</i> , <b>2013</b> , 06, 1350009	1.8	3
67	Set-point Regulation of Constrained Strongly Monotone Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 11030-11035		3
66	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> , <b>2012</b> , 134,	1.6	3
65	Nonlinear optimal control of washing machine based on approximate solution of HJB equation. <i>Optimal Control Applications and Methods</i> , <b>2008</b> , 29, 1-18	1.7	3
64	Stability analysis of sensorless IM based on adaptive feedback linearization control with unknown stator and rotor resistances		3
63	Air/fuel ratio control in SI1 engines using a combined neural network and estimator		3
62	A NEW ACTIVE QUEUE MANAGEMENT ALGORITHM BASED ON NEURAL NETWORKS PI. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 1-6		3
61	Output control design and separation principle for a class of port-Hamiltonian systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2019</b> , 29, 867-881	3.6	3
60	Comparison of Autoimmune Thyroid Disease in Patients With Progressive and Stable Vitiligo. <i>Journal of Cutaneous Medicine and Surgery</i> , <b>2016</b> , 20, 135-8	1.6	2
59	PadElike approximation and its application in domain of attraction estimation. <i>IMA Journal of Mathematical Control and Information</i> , <b>2017</b> , dnw071	1.1	2
58	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> , <b>2015</b> , 229, 1435-1453	0.9	2
57	Designing a deep brain stimulator to suppress pathological neuronal synchrony. <i>Neural Networks</i> , <b>2015</b> , 63, 282-92	9.1	2
56	Observer design for a class of nonlinear systems with long delay in output measurements: an LMI approach <b>2014</b> ,		2
55	Tip position tracking of flexible-link manipulators based on online robust trajectory modification <b>2010</b> ,		2
54	Channel Assignment using Chaotic Simulated Annealing Enhanced Hopfield Neural Network <b>2006</b> ,		2
53	Reconfigurable sliding-mode control design using genetic algorithms and eigenstructure assignment		2

52	Two approximate solutions to HJI equation via state dependent Riccati equation <b>2001</b> ,		2
51	Semi-Global Enlargement of Domain of Attraction for a Class of Affine Nonlinear Systems <b>2006</b> ,		2
50	Robust regulation of a class of nonlinear systems using singular perturbation approach <b>2003</b> ,		2
49	Constrained control approach for monotone systems: application to tumour chemotherapy. <i>IET Control Theory and Applications</i> , <b>2019</b> , 13, 996-1005	2.5	2
48	Stability analysis for a class of nonlinear switched systems using variational principle. <i>Journal of the Franklin Institute</i> , <b>2016</b> , 353, 4133-4155	4	2
47	Output Regulation for Load Frequency Control. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 1-15	4.8	2
46	Equilibratability of Control Systems <b>2018</b> ,		2
45	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> , <b>2018</b> , 42, 195-206	1.9	2
44	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> , <b>2015</b> , 81, 225	0.8	1
43	Sliding mode pulse width modulation for voltage control of a Voltage Source Inverter <b>2015</b> ,		1
42	Global Stabilization of Uncertain Lotka-Volterra Systems via Positive Nonlinear State Feedback. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 5450-5455	5.9	1
41	Continuous control of sampled data systems with robustness against bounded measurement errors. <i>Transactions of the Institute of Measurement and Control</i> , <b>2018</b> , 40, 3125-3133	1.8	1
40	Estimation of the domain of attraction of free tumor equilibrium point of perturbed tumor immunotherapy model <b>2016</b> ,		1
39	Polarization in cooperative networks through optimal placement of informed agents. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2019</b> , 536, 120936	3.3	1
38	Integration of multiple model based fault detection and nonlinear model predictive fault-tolerant control. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , <b>2015</b> , 10, 547-553	1	1
37	Practical Output Regulation of Uncertain Strict-Feedback Form Systems. <i>Asian Journal of Control</i> , <b>2012</b> , 14, 1123-1126	1.7	1
36	Comments on "Controller Synthesis of Fuzzy-Dynamic Systems Based on Piecewise Lyapunov Functions. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2010</b> , 18, 227-228	8.3	1
35	Design of a feedforward controller for AFM nanopositioning based on neural network control theory <b>2009</b> ,		1



34	<b>2008,</b>		1
33	CHEMOTHERAPY USING LINEAR ANALYSIS AND SWARM INTELLIGENCE. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 5233-5238</i>		1
32			1
31	Stabilization of inertia wheel pendulum using output feedback back-stepping		1
30	Minimization of actuator repositioning in delayed processes using flexible neural networks		1
29	Digital Sliding Mode Position Control of an Induction Motor. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 169-174</i>		1
28	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, 2003, 36, 541-545</i>		1
27	Transient control and voltage regulation of power systems using approximate solution of HJB equation <b>2003,</b>		1
26	Increasing the robustness of Acrobot walking control using compliant mechanisms		1
25	Robust output regulation for voltage control in DC networks with time-varying loads. <i>Automatica, 2022, 135, 109997</i>	5.7	1
24	Optimized cyber-attack detection method of power systems using sliding mode observer. <i>Electric Power Systems Research, 2022, 205, 107745</i>	3.5	1
23	Stability analysis of a class of non-simultaneous interconnected impulsive systems. <i>Communications in Nonlinear Science and Numerical Simulation, 2020, 83, 105141</i>	3.7	1
22	Robust switching signal estimation for a class of uncertain nonlinear switched systems. <i>International Journal of Control, 2019, 92, 1094-1102</i>	1.5	1
21	Nonlinear Asymptotic Attitude Estimation Using Double GPS Receivers and Gyro. <i>IEEE Transactions on Control Systems Technology, 2020, 28, 1579-1585</i>	4.8	1
20	Optimal Selection of Informed Agents for Influence Opposition. <i>IEEE Transactions on Computational Social Systems, 2021, 8, 20-32</i>	4.5	1
19	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, 2021, 15, 1987-1998</i>	2.5	1
18	Self-triggered impulsive control of nonlinear time delay systems: Application to chemotherapeutic dose-regimen design. <i>Nonlinear Analysis: Hybrid Systems, 2021, 41, 101047</i>	4.5	1
17	Optimal Dynamic Lyapunov Function and The Largest Estimation of Domain of Attraction. <i>IFAC-PapersOnLine, 2017, 50, 2645-2650</i>	0.7	0

- 16 Analytic Approximate Solution to The Nonlinear Output Regulation Problem Using Galerkin Approximation Method. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 1392-1397 0
- 15 Passivity properties for regulation of DC networks with stochastic load demand. *IFAC-PapersOnLine*, **2020**, 53, 13113-13118 0.7 0
- 14 Spacecraft formation flying in the port-Hamiltonian framework. *Nonlinear Dynamics*, **2020**, 99, 2765-2783 0
- 13 Adaptive controller design with prescribed performance for switched nonstrict feedback nonlinear systems with actuator failures. *International Journal of Adaptive Control and Signal Processing*, **2020**, 34, 1447-1465 2.8 0
- 12 Analysis and robust passivity-based control of zero-voltage switching quasi-resonant Cuk converter. *IET Power Electronics*, **2021**, 14, 1409-1420 2.2 0
- 11 A robust passivity based control strategy for quasi-resonant converters. *IET Power Electronics*, **2021**, 14, 1360-1370 2.2 0
- 10 Immersion and invariance-based extended state observer design for a class of nonlinear systems. *International Journal of Robust and Nonlinear Control*, **2021**, 31, 6233-6254 3.6 0
- 9 Design and implementation of a nonlinear controller for thermal cyclers with application to DNA amplification. *Transactions of the Institute of Measurement and Control*, **2016**, 38, 293-304 1.8
- 8 Sliding mode control revisited. *Transactions of the Institute of Measurement and Control*, **2020**, 42, 2698-2707 0
- 7 Generalization of CLF-based nonlinear control systems. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2003**, 36, 59-64
- 6 NONLINEAR CONTROL, DISTURBANCE DECOUPLING AND LOAD ESTIMATION IN HVAC SYSTEMS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 177-182
- 5 LOCALLY CONSTRAINED OPTIMAL AND GLOBALLY STABLE BACKSTEPPING DESIGN. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 925-930
- 4 ROBUST REGULATION OF A CLASS OF NONLINEAR SINGULARLY PERTURBED SYSTEMS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 393-398
- 3 Stabilisation and improvement of performance by extension of universal formula in the presence of disturbance. *IET Control Theory and Applications*, **2005**, 152, 229-237
- 2 ROBUST CONTROL FOR A CLASS OF UNCERTAIN STATE-DELAYED SINGULARLY PERTURBED SYSTEMS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2002**, 35, 313-318
- 1 A Successive Pseudo-Spectral-Based Approximation of the Solution of Regulator Equations. *IEEE Transactions on Automatic Control*, **2021**, 1-1 5.9