

Naser Pariz

List of Publications by Year in descending order

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102
papers

1,899
citations

393982

19
h-index

276539

41
g-index

106
all docs

106
docs citations

106
times ranked

1723
citing authors

#	ARTICLE	IF	CITATIONS
1	A chaotic secure communication scheme using fractional chaotic systems based on an extended fractional Kalman filter. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 863-879.	1.7	242
2	Synchronization in oscillator networks with time delay and limited non-homogeneous coupling strength. <i>Nonlinear Dynamics</i> , 2015, 82, 1-8.	2.7	147
3	Granular Differentiability of Fuzzy-Number-Valued Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 310-323.	6.5	132
4	Adaptive Fault-Tolerant Spacecraft Attitude Control Design With Transient Response Control. <i>IEEE/ASME Transactions on Mechatronics</i> , 2014, 19, 1404-1411.	3.7	98
5	Position Control of Induction and DC Servomotors: A Novel Adaptive Fuzzy PI Sliding Mode Control. <i>IEEE Transactions on Energy Conversion</i> , 2008, 23, 138-147.	3.7	97
6	Network Planning in Unbundled Power Systems. <i>IEEE Transactions on Power Systems</i> , 2006, 21, 1379-1387.	4.6	93
7	A Novel Fuzzy Model and Control of Single Intersection at Urban Traffic Network. <i>IEEE Systems Journal</i> , 2010, 4, 107-111.	2.9	81
8	Explaining and validating stressed power systems behavior using modal series. <i>IEEE Transactions on Power Systems</i> , 2003, 18, 778-785.	4.6	73
9	General nonlinear modal representation of large scale power systems. <i>IEEE Transactions on Power Systems</i> , 2003, 18, 1103-1109.	4.6	72
10	Robust fault-tolerant tracking control design for spacecraft under control input saturation. <i>ISA Transactions</i> , 2014, 53, 1073-1080.	3.1	72
11	Infinite horizon optimal control for nonlinear interconnected large-scale dynamical systems with an application to optimal attitude control. <i>Asian Journal of Control</i> , 2012, 14, 1239-1250.	1.9	65
12	Sub-optimal control of fuzzy linear dynamical systems under granular differentiability concept. <i>ISA Transactions</i> , 2018, 76, 1-17.	3.1	60
13	Adaptive fuzzy output feedback control for a class of uncertain nonlinear systems with unknown backlash-like hysteresis. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010, 15, 2206-2221.	1.7	41
14	Adaptive fuzzy fitness granulation for evolutionary optimization. <i>International Journal of Approximate Reasoning</i> , 2008, 49, 523-538.	1.9	39
15	Hybrid Modeling of a DC-DC Series Resonant Converter: Direct Piecewise Affine Approach. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2012, 59, 3112-3120.	3.5	38
16	Distributed finite-time control for arbitrary switched nonlinear multi-agent systems: an observer-based approach. <i>Nonlinear Dynamics</i> , 2018, 94, 2127-2142.	2.7	29
17	Hybrid Control of DC-DC Series Resonant Converters: The Direct Piecewise Affine Approach. <i>IEEE Transactions on Power Electronics</i> , 2015, 30, 1714-1723.	5.4	25
18	Fast and Robust Detection of Epilepsy in Noisy EEG Signals Using Permutation Entropy. , 2007, , .		24

#	ARTICLE	IF	CITATIONS
19	Solving infinite horizon nonlinear optimal control problems using an extended modal series method. Journal of Zhejiang University: Science C, 2011, 12, 667-677.	0.7	23
20	Fractional-order nonsingular terminal sliding mode control via a disturbance observer for a class of nonlinear systems with mismatched disturbances. JVC/Journal of Vibration and Control, 2021, 27, 140-151.	1.5	22
21	A novel general framework for evolutionary optimization: Adaptive fuzzy fitness granulation. , 2007, , .		18
22	Discontinuous piecewise quadratic Lyapunov functions for planar piecewise affine systems. Journal of Mathematical Analysis and Applications, 2013, 399, 586-593.	0.5	18
23	Robust position-based impedance control of lightweight single-link flexible robots interacting with the unknown environment via a fractional-order sliding mode controller. Robotica, 2018, 36, 1920-1942.	1.3	17
24	Fuzzy linear singular differential equations under granular differentiability concept. Fuzzy Sets and Systems, 2022, 429, 169-187.	1.6	17
25	Improving the dynamic metal transfer model of gas metal arc welding (GMAW) process. International Journal of Advanced Manufacturing Technology, 2015, 76, 657-668.	1.5	16
26	Frequency control of the drop detachment in the automatic GMAW process. Journal of Materials Processing Technology, 2015, 216, 248-259.	3.1	16
27	An off-line NMPC strategy for continuous-time nonlinear systems using an extended modal series method. Nonlinear Dynamics, 2014, 78, 2651-2674.	2.7	15
28	Disturbance observer-based fractional-order nonlinear sliding mode control for a class of fractional-order systems with matched and mismatched disturbances. International Journal of Dynamics and Control, 2021, 9, 671-678.	1.5	13
29	Hybrid control of synchronization of fractional order nonlinear systems. Asian Journal of Control, 2021, 23, 412-422.	1.9	13
30	Position Control of Servomotors Using Neural Dynamic Sliding Mode. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2011, 133, .	0.9	11
31	Adaptive node scheduling under accuracy constraint for wireless sensor nodes with multiple bearings-only sensing units. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 1547-1557.	2.6	11
32	Sensor fault detection in a class of nonlinear systems using modal Kalman filter. ISA Transactions, 2020, 107, 214-223.	3.1	11
33	Observer-based Adaptive fuzzy control of time-delay uncertain nonlinear systems. Asian Journal of Control, 2011, 13, 456-460.	1.9	10
34	Nonlinear modal analysis of interaction between torsional modes and SVC controllers. Electric Power Systems Research, 2012, 91, 61-70.	2.1	10
35	Modal Kalman Filter. Asian Journal of Control, 2017, 19, 728-738.	1.9	9
36	Adaptive Neural Network Conformable Fractional-Order Nonsingular Terminal Sliding Mode Control for a Class of Second-Order Nonlinear Systems. IETE Journal of Research, 2022, 68, 4290-4299.	1.8	9

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37	Observer-Based Adaptive Hybrid Feedback for Robust Global Attitude Stabilization of a Rigid Body. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1919-1929.	2.6	9
38	An application of adaptive synchronization of uncertain chaotic system in secure communication systems. International Journal of Modelling and Simulation, 2022, 42, 143-152.	2.3	9
39	FPGA implementation of an ANN for detection of anthelmintics resistant nematodes in sheep flocks. , 2009, , .		8
40	Classifying the weights of particle filters in nonlinear systems. Communications in Nonlinear Science and Numerical Simulation, 2016, 31, 69-75.	1.7	8
41	Synchronisation of fractional-order complex systems and its application. Pramana - Journal of Physics, 2019, 92, 1.	0.9	8
42	A novel cubature statistically linearized Kalman filter for fractional-order nonlinear discrete-time stochastic systems. JVC/Journal of Vibration and Control, 2018, 24, 5880-5897.	1.5	7
43	A highly computational efficient method to solve nonlinear optimal control problems. Scientia Iranica, 2012, 19, 759-766.	0.3	6
44	Non-linear analysis of DFIG based wind farm in stressed power systems. IET Renewable Power Generation, 2014, 8, 867-877.	1.7	6
45	An efficient numerical method for the optimal control of fractional-order dynamic systems. JVC/Journal of Vibration and Control, 2018, 24, 5312-5320.	1.5	6
46	Fuzzy control design for nonlinear impulsive switched systems using a nonlinear Takagi-Sugeno fuzzy model. Transactions of the Institute of Measurement and Control, 2020, 42, 1700-1711.	1.1	6
47	A new fractional-order developed type-2 fuzzy control for a class of nonlinear systems. International Journal of Systems Science, 2023, 54, 2840-2858.	3.7	6
48	Identification of Modal Series Model of Nonlinear Systems Based on Subspace Algorithms. Journal of Applied Sciences, 2010, 10, 909-914.	0.1	6
49	Distributed secondary control of islanded microgrids using modified integral backstepping technique. International Journal of Dynamics and Control, 2022, 10, 2011-2019.	1.5	6
50	Extending the perturbation technique to the modal representation of nonlinear systems. Electric Power Systems Research, 2009, 79, 1209-1215.	2.1	5
51	Stability and bifurcation analysis in the delay-coupled nonlinear oscillators. Nonlinear Dynamics, 2012, 70, 155-169.	2.7	5
52	A new switching strategy design for uncertain switched linear systems based on min-projection strategy in guaranteed cost control problem. IMA Journal of Mathematical Control and Information, 2016, 33, 1033-1049.	1.1	5
53	Identification of continuous-time switched linear systems from low-rate sampled data. IET Control Theory and Applications, 2018, 12, 1964-1973.	1.2	5
54	A new fuzzy control system based on the adaptive immersion and invariance control for brushless DC motors. International Journal of Dynamics and Control, 2021, 9, 807-817.	1.5	5

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55	The synchronisation of fractional-order hyperchaos compound system. <i>Pramana - Journal of Physics</i> , 2018, 90, 1.	0.9	4
56	Robust adaptive control for a class of nonlinear switched systems using state-dependent switching. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	4
57	Global exponential stabilization of a quadrotor by hybrid control. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 2345-2357.	1.1	4
58	Stabilizer design for an under-actuated autonomous underwater vehicle in a descriptor model under unknown time delay and uncertainty. <i>Transactions of the Institute of Measurement and Control</i> , 2022, 44, 484-496.	1.1	4
59	Stabilization of fractional switched linear systems via reset control technique. <i>ISA Transactions</i> , 2022, 130, 216-225.	3.1	4
60	Event-Triggered Tracking Formation of Networked Nonlinear Intelligent Transportation Systems Surrounded by Random Disturbances. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, , 1-12.	4.7	4
61	Coordinates Transformation for Target Maneuver Detection. , 2007, , .		3
62	A New Algorithm Based on Generalized Target Maneuver Detection. , 2007, , .		3
63	Adaptive Fuzzy Fitness Granulation in Structural Optimization Problems. , 2007, , .		3
64	Uniform modeling of parameter dependent nonlinear systems. <i>Journal of Zhejiang University: Science C</i> , 2012, 13, 850-858.	0.7	3
65	Adaptive Sliding Mode Impedance Control of Single-Link Flexible Manipulators interacting with the Environment at an Unknown Intermediate Point. <i>Robotica</i> , 2020, 38, 1642-1664.	1.3	3
66	Controlling Chaotic Rossler System via Synchronization, Using Bifurcation Parameter to Choose Desirable Periodic Orbit. <i>Journal of Applied Sciences</i> , 2009, 9, 1450-1457.	0.1	3
67	A Fuzzy Inference Method for Systems with Large Number of Rules. , 2006, , .		2
68	LMI-based approach and estimation of Modal series representation in power systems. , 2007, , .		2
69	Electricity price forecasting using a clustering approach. , 2008, , .		2
70	Construction of nonpathological Lyapunov functions for discontinuous systems with Caratheodory solutions. <i>Asian Journal of Control</i> , 2012, 14, 284-287.	1.9	2
71	Bezier Curves Based Numerical Solutions of Delay Systems with Inverse Time. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-16.	0.6	2
72	Dynamic task scheduling modeling in unstructured heterogeneous multiprocessor systems. <i>Journal of Zhejiang University: Science C</i> , 2014, 15, 423-434.	0.7	2

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73	A new adaptive non-singleton general type-2 fuzzy control of induction motors subject to unknown time-varying dynamics and unknown load torque. <i>Soft Computing</i> , 2021, 25, 5895-5907.	2.1	2
74	Quaternion-based Hybrid Feedback for Global Asymptotic Attitude Stabilization on S^3 . , 2021, , .		2
75	Adaptive Transformed Unscented Simplex Cubature Kalman Filter for Target Tracking. <i>IETE Journal of Research</i> , 2023, 69, 3279-3287.	1.8	2
76	Observer-based hybrid control for global attitude tracking on $SO(3)$ with input quantisation. <i>International Journal of Control</i> , 2023, 96, 1352-1363.	1.2	2
77	Platoon of uncertain unmanned surface vehicle teams subject to stochastic environmental loads. <i>International Journal of Adaptive Control and Signal Processing</i> , 2022, 36, 729-750.	2.3	2
78	Modal Series Coefficients Estimation by LMI-based Approach for Nonlinear Systems Identification. , 2006, , .		1
79	Modal Series Method for Nonautonomous Nonlinear Systems. <i>Control Applications (CCA), Proceedings of the IEEE International Conference on</i> , 2007, , .	0.0	1
80	An Intelligent Self-Tuning Approach for High Maneuvering Target Tracking. , 2009, , .		1
81	A novel approach with parallel processing capability to solve optimal control problem of nonlinear large-scale systems. , 2010, , .		1
82	Unscented Kalman Filter Applied to noisy synchronization of Rossler chaotic system. , 2011, , .		1
83	Normal Form Analysis of the Subsynchronous Torsional Interaction with SVC in the Complex Power Systems. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 4231-4240.	1.1	1
84	Estimating the robust domain of attraction and directional enlargement of attraction domain via Markov models. <i>Optimal Control Applications and Methods</i> , 2014, 35, 21-40.	1.3	1
85	Optimal control of piecewise affine systems. , 2015, , .		1
86	A new switched offline NMPC approach for nonlinear systems with a switching performance index using an extended modal series method. <i>Optimal Control Applications and Methods</i> , 2018, 39, 1935-1951.	1.3	1
87	Local exponential stabilization for a class of uncertain nonlinear impulsive periodic switched systems with norm-bounded input. <i>Journal of Applied Mathematics and Computing</i> , 2019, 59, 47-75.	1.2	1
88	A fractional reset control scheme for a DC-DC buck converter. <i>International Journal of Dynamics and Control</i> , 0, , 1.	1.5	1
89	Robust stabilization for an autonomous underwater vehicle motion based on descriptor time-delay model. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2022, 236, 1692-1708.	0.7	1
90	Sufficient conditions for stabilizability of switched linear systems with sub-optimal convergence rate. , 2009, , .		0

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91	High maneuvering target tracking using fuzzy fading memory. , 2009, , .		0
92	Chaotic synchronization of Lorenz system using Unscented Kalman Filter. , 2011, , .		0
93	Notice of Violation of IEEE Publication Principles - Immersion and invariance based fault tolerant adaptive spacecraft attitude control. , 2013, , .		0
94	Asymptotic stability analysis of planar switched homogeneous systems. IMA Journal of Mathematical Control and Information, 2015, , dnv066.	1.1	0
95	Global asymptotic stabilisation of rational dynamical systems based on solving BMI. International Journal of Control, 2017, 90, 1769-1777.	1.2	0
96	Discrete linear quadratic control of uncertain switched system. , 2017, , .		0
97	Admissibility analysis for autonomous underwater vehicle based on descriptor model with time-varying delay. JVC/Journal of Vibration and Control, 0, , 107754632110300.	1.5	0
98	Optimal Partitioned State Kalman Estimator for Maneuvering Target Tracking in Mixed Coordinates. Journal of Applied Sciences, 2008, 8, 3638-3645.	0.1	0
99	Using Control Theory for Analysis of Reinforcement Learning and Optimal Policy Properties in Grid-World Problems. Lecture Notes in Computer Science, 2009, , 276-285.	1.0	0
100	Optimal Path Planning for Controllability of Switched Linear Systems Using Multi-level Constrained GA. Advances in Intelligent and Soft Computing, 2009, , 399-408.	0.2	0
101	Stability analysis of nonlinear hybrid delayed systems described by impulsive fuzzy differential equations. Journal of Control, 2019, 13, 41-50.	0.1	0
102	Event-triggered formation control of n-link networked stochastic robotic manipulators. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 0, , 095965182110678.	0.7	0