Mohammad Ali Badamchizadeh

List of Publications by Year
in descending order

98 papers	1,960 citations	257450 24 h-index	289244 40 g-index
98 all docs	98 docs citations	98 times ranked	1913 citing authors

#	Article	IF	Citations
1	Distributed min-projection control: A switching consensus protocol for switched affine multi-agent systems. JVC/Journal of Vibration and Control, 2022, 28, 17-29.	2.6	2
2	Adaptive backstepping quantized control for a class of unknown nonlinear systems. ISA Transactions, 2022, 125, 146-155.	5.7	27
3	Finite-time synchronization control for a class of perturbed nonlinear systems with fixed convergence time and hysteresis quantizer: applied to Genesioâ€"Tesi chaotic system. Nonlinear Dynamics, 2022, 107, 2327-2343.	5.2	9
4	Distributed control reconfiguration of nonlinear interconnected systems in the presence of actuator faults. International Journal of Robust and Nonlinear Control, 2022, 32, 7967-7986.	3.7	2
5	Tracking of Two Connected Inverted Pendulum on Carts by Using A Fast Terminal Sliding Mode Control with Fixed-time Convergence. , 2021, , .		2
6	Fuzzy Finite-time Consensus Control for Nonlinear Second-order Multi-agent Systems with Disturbances by Integral Sliding Mode. , 2021, , .		0
7	Continuous nonsingular terminal sliding mode control for mismatched uncertain nonlinear systems using algebraic parameter identification. , 2021, , .		1
8	A new control approach for a class of linear switched systems with time-varying delay. Transactions of the Institute of Measurement and Control, 2021, 43, 2213-2228.	1.7	1
9	Type-2 fuzzy consensus control of nonlinear multi-agent systems: An LMI approach. Journal of the Franklin Institute, 2021, 358, 4326-4347.	3.4	7
10	Robust adaptive finite-time stabilization control for a class of nonlinear switched systems based on finite-time disturbance observer. Journal of the Franklin Institute, 2021, 358, 3332-3352.	3.4	35
11	Synchronization problem for a class of multi-input multi-output systems with terminal sliding mode control based on finite-time disturbance observer: Application to Chameleon chaotic system. Chaos, Solitons and Fractals, 2021, 150, 111191.	5.1	18
12	Designing of robust adaptive passivity-based controller based on reinforcement learning for nonlinear port-Hamiltonian model with disturbance. International Journal of Control, 2020, 93, 1754-1764.	1.9	9
13	Stability analysis and robust stabilisation for a class of switched nonlinear systems with input delay. International Journal of Control, 2020, 93, 2457-2468.	1.9	5
14	Adaptive synchronization of chaotic systems with hysteresis quantizer input. ISA Transactions, 2020, 98, 137-148.	5.7	36
15	Adaptive control for a class of nonlinear chaotic systems with quantized input delays. Journal of the Franklin Institute, 2020, 357, 254-278.	3.4	22
16	Adaptive fuzzy observer-based cooperative control of unknown fractional-order multi-agent systems with uncertain dynamics. Soft Computing, 2020, 24, 3737-3752.	3.6	16
17	Real-time multiclass motor imagery brain-computer interface by modified common spatial patterns and adaptive neuro-fuzzy classifier. Biomedical Signal Processing and Control, 2020, 57, 101749.	5.7	18
18	Fuzzy-Based Impulsive Synchronization of Different Complex Networks with Switching Topology and Time-Varying Dynamic. International Journal of Fuzzy Systems, 2020, 22, 2565-2576.	4.0	4

#	ARTICLE	IF	CITATIONS
19	Distributed adaptive switching control of uncertain switched affine multi-agent systems. Nonlinear Analysis: Hybrid Systems, 2020, 38, 100941.	3.5	6
20	An ANFIS-PSO Algorithm for Predicting Four Grades of Non-Alcoholic Fatty Liver Disease. , 2020, , .		5
21	Time–varying parameters identification and synchronization of switching complex networks using the adaptive fuzzy–impulsive control with an application to secure communication. Asian Journal of Control, 2020, , .	3.0	8
22	Exponential stability of bilateral sampled-data teleoperation systems using multirate approach. ISA Transactions, 2020, 105, 190-197.	5.7	8
23	Intelligent model-based optimization of cutting parameters for high quality turning of hardened AISI D2. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2020, 34, 421-429.	1.1	11
24	Interconnection and damping assignment control based on modified actor–critic algorithm with wavelet function approximation. ISA Transactions, 2020, 101, 116-129.	5.7	6
25	Control of a class of fractional-order systems with mismatched disturbances via fractional-order sliding mode controller. Transactions of the Institute of Measurement and Control, 2020, 42, 2423-2439.	1.7	7
26	Optimal Control for Stochastic 4D Hamiltonian Hyper-chaotic Systems with Periodic and Quasi-periodic Chaos. , 2020, , .		1
27	Fuzzy Terminal Sliding Mode Control for Finite-time Synchronization of Electrostatic and Electromechanical Transducers. , 2020, , .		6
28	Fuzzy Adaptive Sliding Mode Controller for A Chaotic System with Uncertainties and Disturbances. , 2020, , .		2
29	Hybrid Control of Single-Inductor Multiple-Output Converters. IEEE Transactions on Industrial Electronics, 2019, 66, 451-458.	7.9	12
30	EEG Artifacts Handling in a Real Practical Brain–Computer Interface Controlled Vehicle. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1200-1208.	4.9	28
31	EE-CTA: Energy efficient, concurrent and topology-aware virtual network embedding as a multi-objective optimization problem. Computer Standards and Interfaces, 2019, 66, 103351.	5.4	22
32	Green virtual network embedding with supervised self-organizing map. Neurocomputing, 2019, 351, 60-76.	5.9	12
33	Feedback error learning-based type-2 fuzzy neural network predictive controller for a class of nonlinear input delay systems. Transactions of the Institute of Measurement and Control, 2019, 41, 3651-3665.	1.7	7
34	Application of Sliding-Mode Control for Maximum Power Point Tracking of PV Systems. Power Systems, 2019, , 25-43.	0.5	3
35	Switched linear control of interleaved boost converters. International Journal of Electrical Power and Energy Systems, 2019, 109, 526-534.	5.5	15
36	Finite-Time Control of a Parallelogram Five-Bar Manipulator Based on Fractional-Order Approach. , 2019, , .		0

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37	Secure Communication using the synchronization of time-varying complex networks by fuzzy impulsive method. , 2019, , .		2
38	Switched Linear Control of Quadratic-Boost Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 2196-2203.	5.4	3
39	Fuzzy signaling game of deception between ant-inspired deceptive robots with interactive learning. Applied Soft Computing Journal, 2019, 75, 373-387.	7.2	3
40	Stability analysis and robust tracking control for a class of switched nonlinear systems with uncertain input delay. Transactions of the Institute of Measurement and Control, 2019, 41, 2053-2063.	1.7	5
41	Fractional-order adaptive backstepping control of a class of uncertain systems with external disturbances. International Journal of Control, 2019, 92, 1344-1353.	1.9	10
42	Lyapunov–Krasovskii stable T2FNN controller for a class of nonlinear time-delay systems. Soft Computing, 2019, 23, 1407-1419.	3.6	10
43	H_∞/H_- Simultaneous fault detection and control for continuous-time linear switched delay systems under asynchronous switching. Transactions of the Institute of Measurement and Control, 2019, 41, 263-275.	1.7	6
44	A New Self-Regulated Neuro-Fuzzy Framework for Classification of EEG Signals in Motor Imagery BCI. IEEE Transactions on Fuzzy Systems, 2018, 26, 1485-1497.	9.8	55
45	Discrete-time control of bilateral teleoperation systems: a review. Robotica, 2018, 36, 552-569.	1.9	14
46	Robust Tracking Control of a Class of Switched Nonlinear Systems With Input Delay Under Asynchronous Switching. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	1.6	2
47	Real-Time Cardiac Artifact Removal from EEG Using a Hybrid Approach. , 2018, , .		2
48	A Systematic Design of Stabilizer Controller for Interval Type-2 TSK Fuzzy Logic Systems. Fuzzy Information and Engineering, 2018, 10, 387-407.	1.7	1
49	Floating search space: A new idea for efficient solving the Economic and emission dispatch problem. Energy, 2018, 158, 564-579.	8.8	26
50	Adaptive passivity-based control for output voltage tracking of single-inductor dual-output buck converters. , 2018, , .		1
51	Synchronization of different fractional order chaotic systems with time-varying parameter and orders. ISA Transactions, 2018, 80, 399-410.	5.7	26
52	Improved adaptive fuzzy sliding mode controller for robust fault tolerant of a Quadrotor. International Journal of Control, Automation and Systems, 2017, 15, 427-441.	2.7	64
53	Second-order fuzzy sliding-mode control of photovoltaic power generation systems. Solar Energy, 2017, 149, 332-340.	6.1	28
54	Robust simultaneous finite–time control and fault detection for uncertain linear switched systems with time–varying delay. IET Control Theory and Applications, 2017, 11, 1041-1052.	2.1	29

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55	Robust simultaneous fault detection and control for a class of nonlinear stochastic switched delay systems under asynchronous switching. Journal of the Franklin Institute, 2017, 354, 4801-4825.	3.4	12
56	Indirect predictive type-2 fuzzy neural network controller for a class of nonlinear input - delay systems. ISA Transactions, 2017, 71, 185-195.	5.7	13
57	Surrounding control of nonlinear multi-agent systems with non-identical agents. ISA Transactions, 2017, 70, 219-227.	5.7	16
58	Real-time ocular artifacts removal of EEG data using a hybrid ICA-ANC approach. Biomedical Signal Processing and Control, 2017, 31, 199-210.	5.7	39
59	Chattering free full-order terminal sliding-mode control for maximum power point tracking of photovoltaic cells. IET Renewable Power Generation, 2017, 11, 85-91.	3.1	17
60	Optimal synchronization of two different in-commensurate fractional-order chaotic systems with fractional cost function. Complexity, 2016, 21, 401-416.	1.6	29
61	Designing a new robust sliding mode controller for maximum power point tracking of photovoltaic cells. Solar Energy, 2016, 132, 538-546.	6.1	56
62	A new fractional-order sliding mode controller via a nonlinear disturbance observer for a class of dynamical systems with mismatched disturbances. ISA Transactions, 2016, 63, 39-48.	5.7	96
63	Adaptive fractional-order non-singular fast terminal sliding mode control for robot manipulators. IET Control Theory and Applications, 2016, 10, 1565-1572.	2.1	123
64	Fractional-Order Adaptive Backstepping Control of Robotic Manipulators in the Presence of Model Uncertainties and External Disturbances. IEEE Transactions on Industrial Electronics, 2016, 63, 6249-6256.	7.9	97
65	Adaptive Passivity-Based Control of a Photovoltaic/Battery Hybrid Power Source via Algebraic Parameter Identification. IEEE Journal of Photovoltaics, 2016, 6, 532-539.	2.5	51
66	An adaptive method to parameter identification and synchronization of fractional-order chaotic systems with parameter uncertainty. Applied Mathematical Modelling, 2016, 40, 4468-4479.	4.2	38
67	Designing an adaptive type-2 fuzzy logic system load frequency control for a nonlinear time-delay power system. Applied Soft Computing Journal, 2016, 43, 97-106.	7.2	27
68	Adaptive Robust Control of Autonomous Underwater Vehicle. Journal of Control, Automation and Electrical Systems, 2016, 27, 250-262.	2.0	14
69	Ant-Inspired Fuzzily Deceptive Robots. IEEE Transactions on Fuzzy Systems, 2016, 24, 374-387.	9.8	5
70	Containment control of heterogeneous linear multi-agent systems. Automatica, 2015, 54, 210-216.	5.0	223
71	A new adaptive neural network based observer for robotic manipulators. , 2015, , .		6
72	Adaptive containment control of nonlinear multi-agent systems with non-identical agents. International Journal of Control, 2015, 88, 1586-1593.	1.9	33

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73	New approach to synchronization of two different fractional-order chaotic systems. , 2015, , .		8
74	Synchronization of different fractional-ordered chaotic systems using optimized active control. , 2015, , .		10
75	An approach to achieve modified projective synchronization between different types of fractional-order chaotic systems with time-varying delays. Chaos, Solitons and Fractals, 2015, 78, 95-106.	5.1	27
76	Control of Overhead Crane System Using Adaptive Model-Free and Adaptive Fuzzy Sliding Mode Controllers. Journal of Control, Automation and Electrical Systems, 2015, 26, 1-15.	2.0	23
77	Design and implementation of neural controllers for shape memory alloyâ€"actuated manipulator. Journal of Intelligent Material Systems and Structures, 2015, 26, 20-28.	2.5	6
78	A modified technique for 3D camera calibration. , 2014, , .		1
79	A control approach for five bar linkage manipulator based on imperialist competitive algorithm. , 2014, , .		2
80	Using Neural Network Model Predictive Control for Controlling Shape Memory Alloy-Based Manipulator. IEEE Transactions on Industrial Electronics, 2014, 61, 1394-1401.	7.9	77
81	Evaluation criteria of biological artifacts removal rate from EEG signals. , 2014, , .		4
82	Artifacts removal in EEG signal using a new neural network enhanced adaptive filter. Neurocomputing, 2013, 103, 222-231.	5.9	83
83	A class of type-2 fuzzy neural networks for nonlinear dynamical system identification. Neural Computing and Applications, 2013, 23, 707-717.	5.6	28
84	A new approach for designing robust adaptive fuzzy sliding mode controller. , 2013, , .		4
85	Modelling and control of flexible joint robot based on Takagiâ€"Sugeno fuzzy approach and its stability analysis via sum of squares. Mathematical and Computer Modelling of Dynamical Systems, 2013, 19, 250-262.	2.2	9
86	Designing of Adaptive Model-Free Controller Based on Output Error and Feedback Linearization. Abstract and Applied Analysis, 2013, 2013, 1-13.	0.7	1
87	PV Maximum Power-Point Tracking by Using Artificial Neural Network. Mathematical Problems in Engineering, 2012, 2012, 1-10.	1.1	48
88	Implementation of a Fuzzy TSK Controller for a Flexible Joint Robot. Discrete Dynamics in Nature and Society, 2012, 2012, 1-21.	0.9	7
89	A hierarchical fuzzy system for modeling driverâ€™s behavior. International Journal of Control, Automation and Systems, 2012, 10, 517-528.	2.7	7
90	A predictive controller based on dynamic matrix control for a non-minimum phase robot manipulator. International Journal of Control, Automation and Systems, 2012, 10, 574-581.	2.7	12

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91	Low order harmonics elimination in multilevel inverters using fuzzy logic controller considering the variations of dc voltage sources. , 2011, , .		4
92	Extended and Unscented Kalman Filtering Applied to a Flexible-Joint Robot with Jerk Estimation. Discrete Dynamics in Nature and Society, 2010, 2010, 1-14.	0.9	8
93	Average Gene Method for increasing the convergence speed of discrete genetic algorithms. , 2010, , .		2
94	Optimization of data fusion method based on Kalman filter using Genetic Algorithm and Particle Swarm Optimization. , 2010, , .		3
95	Applying Modified Discrete Particle Swarm Optimization Algorithm and Genetic Algorithm for system identification. , 2010, , .		3
96	Mobile robot path planning based on shuffled frog leaping optimization algorithm. , 2010, , .		23
97	Stability of nonlinear hybrid dynamical systems with time delay via sum of squares decomposition. International Journal of Control, Automation and Systems, 2009, 7, 331-339.	2.7	3
98	Stabilization Problem for a Class of Nonlinear MIMO Systems Based on Prescribed-Time Sliding Mode Control. Arabian Journal for Science and Engineering, 0, , .	3.0	2