

# Amir Hossein Davaie-Markazi

## List of Publications by Year in descending order

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49  
papers

926  
citations

535685

17  
h-index

563245

28  
g-index

49  
all docs

49  
docs citations

49  
times ranked

905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the Relationship between Governance and Key Processes of the Iran IoT Innovation System. <i>Sensors</i> , 2022, 22, 652.	2.1	1
2	A new method for control of nonlinear state-dependent switched systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2022, 45, 101190.	2.1	6
3	Adaptive fuzzy sliding-mode consensus control of nonlinear under-actuated agents in a near-optimal reinforcement learning framework. <i>Journal of the Franklin Institute</i> , 2022, 359, 4804-4841.	1.9	8
4	A predictive approach to adaptive fuzzy sliding-mode control of under-actuated nonlinear systems with input saturation. <i>International Journal of Systems Science</i> , 2021, 52, 1599-1617.	3.7	8
5	Dynamic origin of spike and wave discharges in the brain. <i>NeuroImage</i> , 2019, 197, 69-79.	2.1	15
6	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.	2.1	10
7	Hybrid position/force control of Stewart Manipulator using Extended Adaptive Fuzzy Sliding Mode Controller (E-AFSMC). <i>ISA Transactions</i> , 2019, 88, 280-295.	3.1	35
8	New AFSMC Method for Nonlinear System with State-dependent Uncertainty: Application to Hexapod Robot Position Control. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2019, 95, 61-75.	2.0	20
9	Position control of Stewart manipulator using a new extended adaptive fuzzy sliding mode controller and observer (E-AFSMCO). <i>Journal of the Franklin Institute</i> , 2018, 355, 2583-2609.	1.9	28
10	Dual-Functional Electromagnetic Energy Harvesting and Vortex-Induced Vibration Control of an Elastically Mounted Circular Cylinder. <i>Journal of Engineering Mechanics - ASCE</i> , 2018, 144, .	1.6	16
11	Adaptive Fuzzy Sliding Mode Control of Under-actuated Nonlinear Systems. <i>International Journal of Automation and Computing</i> , 2018, 15, 364-376.	4.5	20
12	Design and experimental evaluation of model predictive control vs. intelligent methods for domestic heating systems. <i>Energy and Buildings</i> , 2017, 150, 52-70.	3.1	21
13	A new description of epileptic seizures based on dynamic analysis of a thalamocortical model. <i>Scientific Reports</i> , 2017, 7, 13615.	1.6	29
14	Adaptive fuzzy sliding mode control of input-delayed uncertain nonlinear systems through output-feedback. <i>Nonlinear Dynamics</i> , 2017, 87, 1943-1956.	2.7	15
15	Adaptive Fuzzy Sliding-Mode Control of Wheel Slide Protection Device for ER24PC Locomotive. <i>Latin American Journal of Solids and Structures</i> , 2017, 14, 2019-2045.	0.6	7
16	Simple Formulae for Control of Industrial Time Delay Systems. <i>Latin American Journal of Solids and Structures</i> , 2016, 13, 2763-2786.	0.6	2
17	A new method for control of nonlinear networked systems. <i>Applied Soft Computing Journal</i> , 2016, 45, 197-206.	4.1	1
18	Optimization of domestic heating system by implementing model predictive control. , 2016, , .		0

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19	Predictive control of a building hybrid heating system for energy cost reduction. Applied Soft Computing Journal, 2016, 46, 407-423.	4.1	23
20	Control of input delayed pneumatic vibration isolation table using adaptive fuzzy sliding mode. Latin American Journal of Solids and Structures, 2015, 12, 1525-1539.	0.6	4
21	A multi-wavelet optimization approach using similarity measures for electrocardiogram signal classification. Biomedical Signal Processing and Control, 2015, 20, 142-151.	3.5	23
22	A new method for control of networked systems with an experimental verification. ISA Transactions, 2015, 56, 299-307.	3.1	22
23	Adaptive fuzzy predictive sliding control of uncertain nonlinear systems with bound-known input delay. ISA Transactions, 2015, 59, 314-324.	3.1	40
24	Multi-Objective Robust Active Vibration Control of an Arbitrary Thick Piezolaminated Beam. Mechanics of Advanced Materials and Structures, 2015, 22, 908-924.	1.5	9
25	Active vortex-induced vibration control of a circular cylinder at low Reynolds numbers using an adaptive fuzzy sliding mode controller. Journal of Fluids and Structures, 2014, 50, 49-65.	1.5	52
26	Observer based adaptive fuzzy sliding mode controller for MIMO nonlinear systems with general input matrix. , 2013, , .		0
27	Variable Selective Control Method for Networked Control Systems. IEEE Transactions on Control Systems Technology, 2013, 21, 975-982.	3.2	35
28	Resonance Tracking of Nonlinear MEMS Resonators. IEEE/ASME Transactions on Mechatronics, 2012, 17, 617-621.	3.7	12
29	A new adaptive fuzzy sliding mode observer for a class of MIMO nonlinear systems. Nonlinear Dynamics, 2012, 70, 2095-2105.	2.7	46
30	DIRECT ADAPTIVE FUZZY SLIDING OBSERVATION AND CONTROL. Transactions of the Canadian Society for Mechanical Engineering, 2012, 36, 329-342.	0.3	4
31	A new evolving compact optimised Takagi-Sugeno fuzzy model and its application to nonlinear system identification. International Journal of Systems Science, 2012, 43, 776-785.	3.7	18
32	Networked control of industrial automation systems—a new predictive method. International Journal of Advanced Manufacturing Technology, 2012, 58, 803-815.	1.5	19
33	Min-max feedback control of gas turbine including parametric uncertainty. , 2011, , .		2
34	Plant input-mapping-based predictive control of systems through band-limited networks. IET Control Theory and Applications, 2011, 5, 341-350.	1.2	16
35	Performance-oriented parallel distributed compensation. Journal of the Franklin Institute, 2011, 348, 1231-1244.	1.9	26
36	A New Output Feedback Adaptive Fuzzy Sliding Mode Control. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
37	Chaos prediction and control in MEMS resonators. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 3091-3099.	1.7	128
38	PDC controller design for aircraft glide-slope trajectory tracking. , 2010, , .		0
39	Adaptive fuzzy sliding-mode control for multi-input multi-output chaotic systems. Chaos, Solitons and Fractals, 2009, 42, 3100-3109.	2.5	47
40	Robust adaptive fuzzy control of unknown chaotic systems. Applied Soft Computing Journal, 2009, 9, 970-976.	4.1	74
41	A new approach for control of systems through high traffic communication networks. , 2009, , .		0
42	Real time prediction of time delays in a networked control system. , 2008, , .		7
43	Multi-objective optimal fuzzy logic controller for nonlinear building-MR damper system. , 2008, , .		7
44	Application of a new compact optimized T-S fuzzy model to nonlinear system identification. , 2008, , .		4
45	Model-Based Fuzzy control of flexible joint manipulator: A LMI approach. , 2008, , .		6
46	-optimal digital redesign method. Journal of the Franklin Institute, 2007, 344, 553-564.	1.9	5
47	Discretisation of continuous-time control systems with guaranteed stability. IET Control Theory and Applications, 1995, 142, 323-328.	1.7	19
48	A New Method with Guaranteed Stability for Discretization of Continuous-Time Control Systems. , 1992, , .		33
49	Semi-Active Adaptive Fuzzy Sliding Mode Control of Buildings under Earthquake Excitations. , 0, , .		2