

# Ah Mazinan

## List of Publications by Year in descending order

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75  
papers

480  
citations

840776

11  
h-index

839539

18  
g-index

77  
all docs

77  
docs citations

77  
times ranked

385  
citing authors

#	ARTICLE	IF	CITATIONS
1	Applying mean shift, motion information and Kalman filtering approaches to object tracking. ISA Transactions, 2012, 51, 485-497.	5.7	57
2	Analysis of watermarking framework for color image through a neural network-based approach. Complex & Intelligent Systems, 2020, 6, 213-220.	6.5	26
3	Hybrid fuzzy-based sliding-mode control approach, optimized by genetic algorithm for quadrotor unmanned aerial vehicles. Complex & Intelligent Systems, 2018, 4, 79-93.	6.5	25
4	Fuzzy predictive control based multiple models strategy for tubular heat exchanger system. Applied Intelligence, 2010, 33, 247-263.	5.3	24
5	Full quaternion based finite-time cascade attitude control approach via pulse modulation synthesis for a spacecraft. ISA Transactions, 2015, 58, 567-585.	5.7	23
6	Maximum power point tracking of the solar power plants in shadow mode through artificial neural network. Complex & Intelligent Systems, 2019, 5, 315-330.	6.5	20
7	Fuzzy multiple models predictive control of tubular heat exchanger. , 2008, , .		17
8	Improvement of mean shift tracking performance using a convex kernel function and extracting motion information. Computers and Electrical Engineering, 2012, 38, 1595-1615.	4.8	16
9	On the practice of artificial intelligence based predictive control scheme: a case study. Applied Intelligence, 2012, 36, 178-189.	5.3	15
10	An intelligent multiple models based predictive control scheme with its application to industrial tubular heat exchanger system. Applied Intelligence, 2011, 34, 127-140.	5.3	14
11	A comparative study on applications of artificial intelligence-based multiple models predictive control schemes to a class of industrial complicated systems. Energy Systems, 2016, 7, 237-269.	3.0	13
12	Application of intelligence-based predictive scheme to load-frequency control in a two-area interconnected power system. Applied Intelligence, 2011, 35, 457-468.	5.3	12
13	Demagnetization Fault Detection for Five-Phase IPMSM Through Integral Terminal Sliding Mode Flux-Linkage Observer. IETE Journal of Research, 2019, 65, 473-486.	2.6	12
14	Super-twisting sliding mode control approach with its application to wind turbine systems. Energy Systems, 2019, 10, 211-229.	3.0	11
15	An efficient solution to load-frequency control using fuzzy-based predictive scheme in a two-area interconnected power system. , 2010, , .		9
16	A new algorithm to rigid and non-rigid object tracking in complex environments. International Journal of Advanced Manufacturing Technology, 2013, 64, 1643-1651.	3.0	9
17	On transient stability of multi-machine power systems through Takagi Sugeno fuzzy-based sliding mode control approach. Complex & Intelligent Systems, 2018, 4, 171-179.	6.5	9
18	Fuzzy cognitive map based approach for determining the risk of ischemic stroke. IET Systems Biology, 2019, 13, 297-304.	1.5	9

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19	A novel hybrid PSO-ACO approach with its application to SPP. <i>Evolving Systems</i> , 2015, 6, 293-302.	3.9	8
20	Improvement of power quality in grid-connected inverter through adaptation-based control strategy. <i>Energy, Ecology and Environment</i> , 2019, 4, 37-48.	3.9	8
21	Performance-based fault detection approach for the dew point process through a fuzzy multi-label support vector machine. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 144, 214-224.	5.0	8
22	Novel Neural Network Based CT-NSCT Watermarking Framework Based upon Kurtosis Coefficients. <i>Sensing and Imaging</i> , 2020, 21, 1.	1.5	8
23	A hybrid evolutionary algorithm based on ACO and SA for distribution feeder reconfiguration. , 2010, , .		7
24	Takagiã“Sugeno Fuzzy-Based CNF Control Approach Considering a Class of Constrained Nonlinear Systems. <i>IETE Journal of Research</i> , 2019, 65, 872-886.	2.6	7
25	On spacecraft maneuvers control subject to propellant engine modes. <i>ISA Transactions</i> , 2015, 58, 222-236.	5.7	6
26	Mathematical modeling of spacecraft guidance and control system in 3D space orbit transfer mission. <i>Computational and Applied Mathematics</i> , 2016, 35, 865-879.	1.3	6
27	Adaptive composite nonã€linear feedbackã€based sliding mode control for nonã€linear systems. <i>Electronics Letters</i> , 2018, 54, 973-974.	1.0	6
28	High efficiency fault-detection and fault-tolerant control approach in Tennessee Eastman process via fuzzy-based neural network representation. <i>Complex &amp; Intelligent Systems</i> , 2020, 6, 199-212.	6.5	6
29	Providing an efficient intelligent transportation system through detection, tracking and recognition of the region of interest in traffic signs by using non-linear SVM classifier in line with histogram oriented gradient and Kalman filter approach. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2014, 39, 27-37.	1.3	5
30	Speed control of Five-Phase IPMSM through PI, SMC and FITSMC approaches under normal and open phase faulty conditions. <i>Automatika</i> , 2017, 58, 506-519.	2.0	5
31	Remaining useful life prognostics based on stochastic degradation modeling: turbofan engine as case study. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2022, 44, .	1.6	5
32	A knowledge-based objects tracking algorithm in color video using Kalman filter approach. , 2012, , .		4
33	A new algorithm to AI-based predictive control scheme for a distillation column system. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 66, 1379-1388.	3.0	4
34	On cluster validity indices with its application to interleaved radar pulse separation through fuzzy-based representation. <i>Evolving Systems</i> , 2016, 7, 243-254.	3.9	4
35	Incremental SMC-based CNF control strategy considering magnetic ball suspension and inverted pendulum systems through cuckoo search-genetic optimization algorithm. <i>Complex &amp; Intelligent Systems</i> , 2019, 5, 353-362.	6.5	4
36	Controlling disturbances of islanding in a gas power plant via fuzzy-based neural network approach with a focus on load-shedding system. <i>Complex &amp; Intelligent Systems</i> , 2019, 5, 79-89.	6.5	4

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37	Fatigue level detection using multivariate autoregressive exogenous nonlinear modeling based on driver body pressure distribution. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2022, 236, 168-184.	1.9	4
38	Recent developments on applications of sequential loop closing and diagonal dominance control schemes to industrial multivariable system. Journal of Central South University, 2013, 20, 3401-3420.	3.0	3
39	A Lyapunov-based three-axis attitude intelligent control approach for unmanned aerial vehicle. Journal of Central South University, 2015, 22, 4669-4678.	3.0	3
40	Automated adaptive sliding mode control scheme for a class of real complicated systems. Sadhana - Academy Proceedings in Engineering Sciences, 2015, 40, 51-74.	1.3	3
41	Application of hybrid robust three-axis attitude control approach to overactuated spacecraftâ€™A quaternion based model. Journal of Central South University, 2016, 23, 1740-1753.	3.0	3
42	Real-time high-resolution detection approach considering eyes and its states in video frames through intelligence-based representation. Complex & Intelligent Systems, 2016, 2, 75-81.	6.5	3
43	Application of composite nonlinear feedback control approach to linear and nonlinear systems. Journal of Central South University, 2019, 26, 98-105.	3.0	3
44	Trajectory Tracking of Nonlinear Unmanned Rotorcraft Based on Polytopic Modeling and State Feedback Control. IETE Journal of Research, 2022, 68, 3720-3738.	2.6	3
45	Neural network based CT-Canny edge detector considering watermarking framework. Evolving Systems, 2022, 13, 145-157.	3.9	3
46	Notes on intelligence based model predictive control scheme: A case study. , 2010, , .		2
47	Designing an optimal control law for nonlinear system by using intelligent algorithm. , 2013, , .		2
48	Level-direction decomposition analysis with a focus on image watermarking framework. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 1199-1217.	2.6	2
49	Stability analysis of autonomous space systems in the presence of large disturbances: A Lyapunov-based constrained control strategy. ISA Transactions, 2016, 61, 60-74.	5.7	2
50	TADC: a new three-axis detumbling mode control approach. International Journal of Dynamics and Control, 2017, 5, 337-346.	2.5	2
51	High-precision three-axis detumbling and pointing attitude control strategy for a class of complicated space systems. International Journal of Dynamics and Control, 2017, 5, 661-682.	2.5	2
52	An efficient rate control algorithm for JPEG2000 based on reverse order. Journal of Central South University, 2017, 24, 1396-1405.	3.0	2
53	LMI-based LPV control strategy considering UAV systems. Spatial Information Research, 2019, 27, 425-431.	2.2	2
54	Innovations in generalized predictive control using TSK fuzzy-based approach. , 2010, , .		1

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55	Block-based noise variance estimation algorithm in blurred and noisy images with its application to motion deblurring. <i>Evolving Systems</i> , 2017, 8, 95-108.	3.9	1
56	Heading angle and depth control of micro-ROVs using adaptive minimum-degree pole placement (MDPP) approach. <i>Marine Systems and Ocean Technology</i> , 2017, 12, 13-28.	1.0	1
57	On Stability Analysis of a Class of Nonlinear Systems with a Focus on Composite Nonlinear Feedback Approach. <i>Sensing and Imaging</i> , 2018, 19, 1.	1.5	1
58	Prediction of stroke probability occurrence based on fuzzy cognitive maps. <i>Automatika</i> , 2019, 60, 385-392.	2.0	1
59	Super-Resolution Time Domain Reflectometry Method for Microwave Imaging System Applications. <i>IETE Journal of Research</i> , 2022, 68, 368-378.	2.6	1
60	Super-twisting sliding mode control approach for tumor growth by immunotherapy. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2020, 45, 1.	1.3	1
61	Control of the inverted pendulum system: a Smith fractional-order predictive model representation. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2020, 45, 1.	1.3	1
62	Neural network-based fault-tolerant control approach considering a submarine system. <i>Evolving Systems</i> , 2021, 12, 913-922.	3.9	1
63	Polytopic Attitude Control System for Nonlinear Unmanned Rotorcraft. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2021, 45, 747-760.	2.3	1
64	A complete solution to intelligence based multivariable predictive control scheme. , 2011, , .		0
65	Multiple stationaryâ€“non-stationary object-tracking approach in real-time applications through an extendable RGB modelling framework. <i>Transactions of the Institute of Measurement and Control</i> , 2014, 36, 276-282.	1.7	0
66	Monte-Carlo based cascade control approach with focus on real overactuated space systems. <i>Journal of Central South University</i> , 2016, 23, 3171-3182.	3.0	0
67	An algorithm for extracting the phase of the fringe patterns with its applications to three-dimensional imaging through FPGA based implementation. , 2016, , .		0
68	Autonomous space systems control incorporating automated maneuvers strategies in the presence of parameters uncertainties. <i>ISA Transactions</i> , 2016, 62, 236-247.	5.7	0
69	Automated optimization-based image-embedding approach through levels-directions decomposition framework. <i>Transactions of the Institute of Measurement and Control</i> , 2017, 39, 1466-1485.	1.7	0
70	On high-resolution manoeuvres control via trajectory optimization. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2017, 42, 245-255.	1.3	0
71	A new image watermarking framework based on levels-directions decomposition in contourlet representation. <i>Journal of Central South University</i> , 2017, 24, 521-532.	3.0	0
72	Application of Adaptive Nonsingular Sliding Mode Control Approach to Wind Turbine Grid Fault-Tolerance. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
73	Interval type-II Takagi-Sugeno fuzzy-based strategy in control of autonomous systems. SN Applied Sciences, 2019, 1, 1.	2.9	0
74	Nutation control strategy through state feedback: application to a spin-stabilized autonomous system. International Journal of Information Technology (Singapore), 2020, 12, 1051-1061.	2.7	0
75	On pulse-width pulse-frequency modulator control strategy: An adaptation-based describing function representation. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	1.3	0