Mohammad Ataei

List of Publications by Year
in descending order

35 papers	500 citations	1040056 9 h-index	713466 21 g-index
35 all docs	35 docs citations	35 times ranked	541 citing authors

#	Article	IF	Citations
1	Continuous nonsingular terminal sliding mode control based on adaptive sliding mode disturbance observer for uncertain nonlinear systems. Automatica, 2019, 109, 108515.	5.0	135
2	A New Approach to Multifunctional Dynamic Voltage Restorer Implementation for Emergency Control in Distribution Systems. IEEE Transactions on Power Delivery, 2011, 26, 882-890.	4.3	73
3	Designing Sequence With Minimum PSL Using Chebyshev Distance and its Application for Chaotic MIMO Radar Waveform Design. IEEE Transactions on Signal Processing, 2017, 65, 690-704.	5.3	59
4	A New Smooth Synchronization of Brushless Doubly-Fed Induction Generator by Applying a Proposed Machine Model. IEEE Transactions on Sustainable Energy, 2018, 9, 371-380.	8.8	29
5	Optimizing LQR and pole placement to control buck converter by genetic algorithm. , 2007, , .		24
6	Substation automation system using IEC 61850. , 2011, , .		24
7	A coordinated MIMO control design for a power plant using improved sliding mode controller. ISA Transactions, 2014, 53, 415-422.	5.7	20
8	Eigenvalue assignment by minimal state-feedback gain in LTI multivariable systems. International Journal of Control, 2011, 84, 1956-1964.	1.9	14
9	Chebyshev chaotic polynomials for MIMO radar waveform generation. IET Radar, Sonar and Navigation, 2017, 11, 330-340.	1.8	14
10	Applying a modified version of Lyapunov exponent for cancer diagnosis in biomedical images: the case of breast mammograms. Multidimensional Systems and Signal Processing, 2018, 29, 19-33.	2.6	13
11	Chaotic attitude analysis of a satellite via Lyapunov exponents and its robust nonlinear control subject to disturbances and uncertainties. Nonlinear Dynamics, 2016, 83, 361-374.	5.2	12
12	Robust Implementation of Distribution Static Compensator Along With Bridge Type Fault Current Limiter for Fault Ride Through Enhancement of Fixed Speed Wind Turbines. IEEE Access, 2017, 5, 14490-14501.	4.2	11
13	Voltage-Dip Analysis of Brushless Doubly Fed Induction Generator Using Reduced T-Model. IEEE Transactions on Industrial Electronics, 2019, 66, 7510-7519.	7.9	9
14	Nonlinear Analysis of the Contour Boundary Irregularity of Skin Lesion Using Lyapunov Exponent and K-S Entropy. Journal of Medical and Biological Engineering, 2017, 37, 409-419.	1.8	8
15	Reduced-order model of cascaded doubly fed induction generator for aircraft starter/generator. IET Electric Power Applications, 2018, 12, 757-766.	1.8	6
16	Bifurcation and chaos control in power-factor-correction boost converter. , 2014, , .		5
17	Stability analysis of networked control systems with time varying delays. , 2017, , .		5
18	Asymptotic stabilization of a class of nonlinear systems with long input delay in the presence of disturbance. ISA Transactions, 2019, 91, 125-134.	5.7	5

#	Article	IF	Citations
19	Chaos-based analysis of heart rate variability time series in obstructive sleep apnea subjects. Journal of Medical Signals and Sensors, 2020, 10, 53.	1.0	5
20	Cascade high-gain observers for a class of nonlinear systems with large delayed measurements. International Journal of Systems Science, 2018, 49, 2558-2570.	5.5	4
21	Time-Delay Estimation in State and Output Equations of Nonlinear Systems Using Optimal Computational Approach. Journal of Optimization Theory and Applications, 2019, 180, 1036-1064.	1.5	4
22	An observer for a class of nonlinear systems with multiple state and measurement delays: A differential geometry-based approach. European Journal of Control, 2020, 56, 132-141.	2.6	4
23	Finite-time disturbance observer based-control of flexible spacecraft. JVC/Journal of Vibration and Control, 2023, 29, 346-361.	2.6	4
24	Three dimensional analysis of an AC electric arc furnace. , 2009, , .		3
25	Prediction‐based sliding mode control of non‐linear systems with input delay using disturbance observer. IET Control Theory and Applications, 2019, 13, 2047-2055.	2.1	3
26	Time-delay estimation of nonlinear systems with delay in states and outputs. , 2016, , .		2
27	Robust nonlinear observer for systems with generalized sector nonlinearity and time-varying delay. Nonlinear Dynamics, 2017, 89, 2879-2887.	5.2	2
28	Finite‐time control of spacecraft and hardware in the loop tuning. Asian Journal of Control, 2023, 25, 262-270.	3.0	2
29	Modeling and chaos control of current mode controlled switching converter with ramp compensation. , 2014, , .		1
30	The control of a double-pendulum system. , 2007, , .		0
31	Robust synchronization of a class of uncertain chaotic systems based on quadratic optimal theory and adaptive strategy. Chaos, 2010, 20, 043137.	2.5	0
32	High-gain sliding mode observers for a class of nonlinear uncertain delay systems. , 2017, , .		0
33	Sliding Mode Observer for Uncertain Nonlinear Systems based on Generalized Lipschitz Condition. , 2018, , .		0
34	Observer design for one-sided Lipschitz discrete-time Switched non-linear systems under asynchronous switching. IMA Journal of Mathematical Control and Information, 0, , .	1.7	0
35	Computing frequency response of non‐parametric uncertainty model of MIMO systems using Ï…‐gap metric optimization. IET Control Theory and Applications, 2021, 15, 1115-1125.	2.1	0