Qudrat Khan

List of Publications by Year
in descending order

26 papers	252 citations	1163117 8 h-index	996975 15 g-index
26 all docs	26 docs citations	26 times ranked	234 citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Parameter Estimation of Nonlinear Systems Using Sliding-Mode Differentiator Observer. IEEE Transactions on Industrial Electronics, 2011, 58, 680-689.	7.9	52
2	Maximum Power Extraction Strategy for Variable Speed Wind Turbine System via Neuro-Adaptive Generalized Global Sliding Mode Controller. IEEE Access, 2020, 8, 128536-128547.	4.2	36
3	Maximum Power Extraction from a Standalone Photo Voltaic System via Neuro-Adaptive Arbitrary Order Sliding Mode Control Strategy with High Gain Differentiation. Applied Sciences (Switzerland), 2022, 12, 2773.	2.5	28
4	Neural network-based adaptive global sliding mode MPPT controller design for stand-alone photovoltaic systems. PLoS ONE, 2022, 17, e0260480.	2.5	17
5	Robustness and performance parameterization of smooth second order sliding mode control. International Journal of Control, Automation and Systems, 2016, 14, 681-690.	2.7	14
6	Neuro-adaptive fixed-time non-singular fast terminal sliding mode control design for a class of under-actuated nonlinear systems. International Journal of Control, 2023, 96, 1529-1542.	1.9	14
7	Finite-Time Fast Dynamic Terminal Sliding Mode Maximum Power Point Tracking Control Paradigm for Permanent Magnet Synchronous Generator-Based Wind Energy Conversion System. Applied Sciences (Switzerland), 2020, 10, 6361.	2.5	11
8	MPPT Control Paradigms for PMSG-WECS: A Synergistic Control Strategy With Gain-Scheduled Sliding Mode Observer. IEEE Access, 2021, 9, 139876-139887.	4.2	9
9	Sliding mode control of lateral dynamics of an AUV. , 2012, , .		8
10	Air-to-fuel ratio control of gasoline engines using smooth sliding mode algorithm. , 2017, , .		7
11	Gain-Scheduled Observer-Based Finite-Time Control Algorithm for an Automated Closed-Loop Insulin Delivery System. IEEE Access, 2020, 8, 103088-103099.	4.2	7
12	Dynamic Integral Sliding Mode Control of Nonlinear SISO Systems with States Dependent Matched and Mismatched Uncertainties. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3932-3937.	0.4	6
13	Dynamic Sliding Mode Control Design Based on an Integral Manifold for Nonlinear Uncertain Systems. Journal of Nonlinear Dynamics, 2014, 2014, 1-10.	0.2	6
14	Neuro-adaptive backstepping integral sliding mode control design for nonlinear wind energy conversion system. Turkish Journal of Electrical Engineering and Computer Sciences, 2021, 29, 531-547.	1.4	6
15	Control Design for Uncertain Higher-Order Networked Nonlinear Systems via an Arbitrary Order Finite-Time Sliding Mode Control Law. Sensors, 2022, 22, 2748.	3.8	6
16	Condition monitoring of gasoline engine air intake system using second order sliding modes. International Journal of Vehicle Design, 2013, 62, 312.	0.3	5
17	A Linear Parameter Varying Strategy Based Integral Sliding Mode Control Protocol Development and Its Implementation on Ball and Beam Balancer. IEEE Access, 2021, 9, 74437-74445.	4.2	5
18	HOSM control design of PEM fuel cell using super twisting algorithm. , 2012, , .		4

#	Article	IF	Citations
19	Static &amp; dynamic sliding mode control of ball and beam system. , 2012, , .		3
20	Variable gain high order sliding mode control approaches for PMSG based variable speed wind energy conversion system. Turkish Journal of Electrical Engineering and Computer Sciences, 2020, 28, 2997-3012.	1.4	3
21	Comparative analysis of robust and adaptive control strategies for twin rotor MIMO system. , 2017, , .		2
22	Synchronization and antisynchronization protocol design of chaotic nonlinear gyros: an adaptive integral sliding mode approach. Turkish Journal of Electrical Engineering and Computer Sciences, 2019, 27, 675-684.	1.4	2
23	Smooth sliding mode control for PEM fuel cell system. , 2012, , .		1
24	Constructive mechanism of Lead/Lag design for a class of linear systems. , 2016, , .		0
25	Adaptive gain sliding mode based output tracking control of twin rotor MIMO system. , 2017, , .		0
26	Corrigendum to â€œRobust Control of Underactuated Systems: Higher Order Integral Sliding Mode Approachâ€. Mathematical Problems in Engineering, 2017, 2017, 1-1.	1.1	0