Smita Sadhu

List of Publications by Year
in descending order

34	220	1163117	1281871
papers	citations	8	11
		h-index	g-index

34	34	34	132
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sight Line Rate Estimation in Missile Seeker Using Disturbance Observer-Based Technique. IEEE Transactions on Control Systems Technology, 2011, 19, 449-454.	5.2	38
2	Central Difference Formulation of Risk-Sensitive Filter. IEEE Signal Processing Letters, 2007, 14, 421-424.	3.6	30
3	Adaptive divided difference filter for parameter and state estimation of nonâ€linear systems. IET Signal Processing, 2015, 9, 369-376.	1.5	17
4	Adaptive central difference filter for nonâ€linear state estimation. IET Science, Measurement and Technology, 2015, 9, 728-733.	1.6	16
5	Particle-method-based formulation of risk-sensitive filter. Signal Processing, 2009, 89, 314-319.	3.7	12
6	Adaptive Gaussâ€"Hermite filter for nonâ€linear systems with unknown measurement noise covariance. IET Science, Measurement and Technology, 2015, 9, 1007-1015.	1.6	12
7	Disturbance observer structure based internal model control for time delay systems. , 2015, , .		10
8	Fault Detection and Isolation of Satellite Inertial Instrumentation Using Nonlinear Adaptive Filters. Journal of Aerospace Information Systems, 2015, 12, 284-289.	1.4	9
9	Internal model based v-norm decoupling control for Four Tank system. , 2014, , .		8
10	Fault detection and identification of nonâ€linear hybrid system using selfâ€switched sigma point filter bank. IET Control Theory and Applications, 2015, 9, 1093-1102.	2.1	8
11	Adaptive state estimation for tracking of civilian aircraft. IET Science, Measurement and Technology, 2018, 12, 777-784.	1.6	7
12	Adaptive Extended Kalman Filter for the state estimation of Anti-Lock Braking System. , 2015, , .		6
13	A Risk Sensitive Estimator for Nonlinear Problems using the Adaptive Grid Method. , 2006, , .		5
14	Adaptive divided difference filter for nonlinear systems with unknown noise. , 2014, , .		4
15	Adaptive divided difference filter for nonlinear systems with non-additive noise. , 2015, , .		4
16	Platform motion disturbances attenuation in a missile seeker subsystem using disturbance observer techniques. , 2016, , .		4
17	Designing disturbance observer for nonâ€linear systems â€" a Hirschorn inverse approach. IET Science, Measurement and Technology, 2017, 11, 164-170.	1.6	4
18	Improved estimation and fault detection scheme for a class of nonâ€linear hybrid systems using time delayed adaptive CD state estimator. IET Signal Processing, 2017, 11, 771-779.	1.5	4

#	Article	IF	Citations
19	Ground-Based Radar Tracking of Ballistic Target on Re-entry Phase Using Derivative-Free Filters. , 2006, , .		3
20	Internal Model Control based controller design for a Stirred Water Tank. , 2010, , .		3
21	Adaptive Gauss Hermite filter for parameter varying nonlinear systems. , 2014, , .		3
22	Robust Extended Kalman filter for ballistic object tracking during re-entry. , 2016, , .		3
23	Platform motion disturbances attenuation in a missile seeker subsystem using Internal Model Control. , 2013, , .		2
24	Improved estimation and fault detection method for a class of nonlinear hybrid systems using self switched sigma point filter. , 2014, , .		2
25	Self switched R-adaptive extended Kalman Filter based state estimation and mode determination for nonlinear hybrid systems. , 2015, , .		2
26	Adaptive state estimation for ballistic object tracking with nonlinear model and state dependent process noise. , 2016, , .		2
27	Q-Adaptive Extended Kalman Filter for Nonlinear Systems with Unknown Noise Statistics. , 2018, , .		2
28	State inequality constraint based method for rail navigation. , 2010, , .		0
29	Risk sensitive Kalman filter with non-scalar risk-sensitive factor. , 2010, , .		0
30	Contraction theory based observer for a biochemical process. , 2010, , .		0
31	Performance comparison and robustness studies of robust bode and IMC based controllers for plants with large time delay. , 2014, , .		0
32	Pragmatics for tuning aircraft tracking estimators. , 2016, , .		0
33	Disturbance Observers for Nonlinear MIMO Systems- An Alternative Design Approach. , 2019, , .		0
34	Performance evaluation of a novel adaptive variable structure state estimator. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002211033.	1.3	0