Vijyant Agarwal

List of Publications by Year
in descending order

16 papers	81 citations	1684188 5 h-index	1474206 9 g-index
16 all docs	16 docs citations	16 times ranked	74 citing authors

#	Article	IF	Citations
1	Disturbance estimator as a state observer with extended Kalman filter for robotic manipulator. Nonlinear Dynamics, 2016, 85, 2809-2825.	5.2	28
2	Trajectory planning of redundant manipulator using fuzzy clustering method. International Journal of Advanced Manufacturing Technology, 2012, 61, 727-744.	3.0	16
3	Tremor Estimation and Removal in Robot-Assisted Surgery Using Lie Groups and EKF. Robotica, 2019, 37, 1904-1921.	1.9	9
4	A Real-Time State-Observer-Based Controller for a Stochastic Robotic Manipulator. IEEE Transactions on Industry Applications, 2018, 54, 1806-1822.	4.9	8
5	Design of Optimal UKF State Observer–Controller for Stochastic Dynamical Systems. IEEE Transactions on Industry Applications, 2021, 57, 1840-1859.	4.9	8
6	Classical robots perturbed by Lévy processes: analysis and Lévy disturbance rejection methods. Nonlinear Dynamics, 2017, 89, 553-575.	5.2	4
7	Estimation of stochastic environment force for master–slave robotic system. Sadhana - Academy Proceedings in Engineering Sciences, 2017, 42, 889-899.	1.3	3
8	Estimation of robot states with poisson process based on EKF approximate of Kushner filter: a completely coordinate free Lie group approach. Meccanica, 2021, 56, 1239-1261.	2.0	2
9	Novel fuzzy clustering algorithm for fuzzy data. , 2015, , .		1
10	An Efficient Unscented Kalman Filter for Joint Angles Estimation and Control of Omni bundle with Noise. , 2018, , .		1
11	Tracking Control of 4-DOF Robotic Arm Using Krill Herd-Optimized Fuzzy Logic Controller. Advances in Intelligent Systems and Computing, 2019, , 629-643.	0.6	1
12	Tremor Observer Models and Tremor Rejection Methods for Robotic Surgery. Lecture Notes in Electrical Engineering, 2019, , 1259-1263.	0.4	0
13	Simultaneous estimation of parameter uncertainties and disturbance trajectory for robotic manipulator. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	1.3	0
14	Analysis of exit probability for a trajectory tracking robot in case of a rare event. Robotica, 2022, 40, 907-932.	1.9	0
15	Estimating EEG Parameters in the Presence of Random Time Delays for Brain Computer Interfaces. , 2021, , .		0
16	Synthesizing EEG Signals from Speech Signals Using BCI's with EKF-Based Training. , 2021, , .		0