Harish J Palanthandalam-Madapusi

List of Publications by Year
in descending order

34 papers	344 citations	1040056 9 h-index	940533 16 g-index
34 all docs	34 docs citations	34 times ranked	219 citing authors

#	Article	IF	Citations
1	Trackability for Discrete-Time Linear Time-Invariant Systems: A Brief Review and New Insights. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2022, 144, .	1.6	0
2	Change in task conditions leads to changes in intermittency in intermittent feedback control employed by CNS in control of human stance. Biological Cybernetics, 2022, , 1.	1.3	0
3	A note on invertibility and relative degree of MIMO LTI systems. IFAC Journal of Systems and Control, 2022, 20, 100193.	1.7	1
4	Explaining Parkinsonian postural sway variabilities using intermittent control theory. Journal of Biomechanics, 2020, 105, 109791.	2.1	10
5	COMPARISON OF THEORIES OF REST TREMOR MECHANISM IN PARKINSONâ€™S DISEASE: CENTRAL OSCILLATOR (SOURCE-TRIGGERED OSCILLATIONS) AND FEEDBACK-INDUCED INSTABILITY IN THE SENSORIMOTOR LOOP (SELF-SUSTAINED OSCILLATIONS). Journal of Mechanics in Medicine and Biology, 2020, 20, 1950075.	0.7	0
6	A Perspective on Using Input Reconstruction for Command Following. Circuits, Systems, and Signal Processing, 2019, 38, 5920-5930.	2.0	1
7	When to Use Intermittent Control for Stabilization?. , 2019, , .		5
8	Revisiting trackability for linear time-invariant systems. , 2017, , .		3
9	Recursive input reconstruction with a delay. , 2014, , .		16
10	LETTER TO EDITORS â€” SOLVING FOR CANTILEVER EQUILIBRIA AS INITIAL VALUE PROBLEMS. Journal of Mechanics in Medicine and Biology, 2013, 13, 1320001.	0.7	2
11	Robust Occupancy-Based Distributed Demand Control Ventilation. International Journal of Ventilation, 2011, 9, 359-369.	0.4	4
12	l-Delay Input and Initial-State Reconstruction for Discrete-Time Linear Systems. Circuits, Systems, and Signal Processing, 2011, 30, 233-262.	2.0	30
13	Robust estimation of nonlinear constitutive law from static equilibrium data for modeling the mechanics of DNA. Automatica, 2011, 47, 1175-1182.	5.0	13
14	Unbiased minimum-variance filtering for delayed input reconstruction. , 2011, , .		2
15	IS PARKINSONIAN TREMOR A LIMIT CYCLE?. Journal of Mechanics in Medicine and Biology, 2011, 11, 1017-1023.	0.7	14
16	Wind-field reconstruction from flight data using an unbiased minimum-variance unscented filter. Transactions of the Institute of Measurement and Control, 2011, 33, 718-733.	1.7	7
17	Control of natural ventilation for aerodynamic high-rise buildings. Building Simulation, 2010, 3, 311-325.	5.6	5
18	A comparison of least squares algorithms for estimating Markov parameters. , 2010, , .		17

#	ARTICLE	IF	CITATIONS
19	Modeling structural deformations of DNA molecules using identification techniques. , 2010, , .		0
20	Parameter consistency and quadratically constrained errors-in-variables least-squares identification. International Journal of Control, 2010, 83, 862-877.	1.9	15
21	l-delay input reconstruction for discrete-time linear systems. , 2009, , .		7
22	A subspace algorithm for simultaneous identification and input reconstruction. International Journal of Adaptive Control and Signal Processing, 2009, 23, 1053-1069.	4.1	26
23	Matrix pencils and existence conditions for quadratic programming with a sign-indefinite quadratic equality constraint. Journal of Global Optimization, 2009, 45, 533-549.	1.8	4
24	Gain-Constrained Kalman Filtering for Linear and Nonlinear Systems. IEEE Transactions on Signal Processing, 2008, 56, 4113-4123.	5.3	78
25	Wind-field reconstruction using flight data. , 2008, , .		27
26	Estimation of nonlinear sequence-dependent constitutive law for DNA molecules. , 2008, , .		2
27	Magnetic-field estimation using measurements from a floating buoy. , 2008, , .		0
28	Delayed input and state observability. , 2008, , .		2
29	What Are the Physical Dimensions of the A Matrix?. Proceedings of the American Control Conference, 2007, , .	0.0	0
30	A subspace algorithm for simultaneous identification and input reconstruction. , 2007, , .		4
31	Unbiased Minimum-variance Filtering for Input Reconstruction. Proceedings of the American Control Conference, 2007, , .	0.0	29
32	Dimensional Analysis of Matrices State-Space Models and Dimensionless Units [Lecture Notes]. IEEE Control Systems, 2007, 27, 100-109.	0.8	9
33	Space Weather Forecasting. IEEE Control Systems, 2007, 27, 109-123.	0.8	11
34	How Event-Driven Intermittent Control with Unstable Open & Closed-Loop Dynamics Lead to Bounded Response in Human Postural Control. Journal of Mechanics in Medicine and Biology, 0, , .	0.7	0