

Harish J Palanthandalam-Madapusi

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

344
citations

1170033

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h-index

1051228

16
g-index

34
all docs

34
docs citations

34
times ranked

261
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, . | 0.9 | 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. | 0.6 | 0 |
| 3 | A note on invertibility and relative degree of MIMO LTI systems. IFAC Journal of Systems and Control, 2022, 20, 100193. | 1.1 | 1 |
| 4 | Explaining Parkinsonian postural sway variabilities using intermittent control theory. Journal of Biomechanics, 2020, 105, 109791. | 0.9 | 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. | 0.3 | 0 |
| 6 | A Perspective on Using Input Reconstruction for Command Following. Circuits, Systems, and Signal Processing, 2019, 38, 5920-5930. | 1.2 | 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. | 0.3 | 2 |
| 11 | Robust Occupancy-Based Distributed Demand Control Ventilation. International Journal of Ventilation, 2011, 9, 359-369. | 0.2 | 4 |
| 12 | I-Delay Input and Initial-State Reconstruction for Discrete-Time Linear Systems. Circuits, Systems, and Signal Processing, 2011, 30, 233-262. | 1.2 | 30 |
| 13 | Robust estimation of nonlinear constitutive law from static equilibrium data for modeling the mechanics of DNA. Automatica, 2011, 47, 1175-1182. | 3.0 | 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. | 0.3 | 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. | 1.1 | 7 |
| 17 | Control of natural ventilation for aerodynamic high-rise buildings. Building Simulation, 2010, 3, 311-325. | 3.0 | 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. | 1.2 | 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. | 2.3 | 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. | 1.1 | 4 |
| 24 | Gain-Constrained Kalman Filtering for Linear and Nonlinear Systems. IEEE Transactions on Signal Processing, 2008, 56, 4113-4123. | 3.2 | 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. | 1.0 | 9 |
| 33 | Space Weather Forecasting. IEEE Control Systems, 2007, 27, 109-123. | 1.0 | 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, , . | 0.3 | 0 |