

RAjeeb Dey

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

579
citations

686830

13
h-index

610482

24
g-index

43
all docs

43
docs citations

43
times ranked

477
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | H ∞ load frequency control of interconnected power systems with communication delays. International Journal of Electrical Power and Energy Systems, 2012, 42, 672-684. | 3.3 | 117 |
| 2 | Stability analysis for continuous system with additive time-varying delays: A less conservative result. Applied Mathematics and Computation, 2010, 215, 3740-3745. | 1.4 | 66 |
| 3 | Observer based nonlinear control design for glucose regulation in type 1 diabetic patients: An LMI approach. Biomedical Signal Processing and Control, 2019, 47, 7-15. | 3.5 | 42 |
| 4 | Blood glucose regulation in type 1 diabetic patients: an adaptive parametric compensation control-based approach. IET Systems Biology, 2018, 12, 219-225. | 0.8 | 41 |
| 5 | Improved delay-dependent stabilization of time-delay systems with actuator saturation. International Journal of Robust and Nonlinear Control, 2014, 24, 902-917. | 2.1 | 39 |
| 6 | Stability and stabilization of T ∞ S fuzzy systems with variable delays via new Bessel-Legendre polynomial based relaxed integral inequality. Information Sciences, 2020, 522, 99-123. | 4.0 | 27 |
| 7 | Partial eigenvalue assignment and its stability in a time delayed system. Mechanical Systems and Signal Processing, 2014, 42, 247-257. | 4.4 | 25 |
| 8 | An augmented subcutaneous type 1 diabetic patient modelling and design of adaptive glucose control. Journal of Process Control, 2020, 86, 94-105. | 1.7 | 25 |
| 9 | Robust observer-based adaptive control of blood glucose in diabetic patients. International Journal of Control, 2021, 94, 3054-3067. | 1.2 | 24 |
| 10 | State feedback stabilization of uncertain linear time-delay systems: A nonlinear matrix inequality approach. Numerical Linear Algebra With Applications, 2011, 18, 351-361. | 0.9 | 18 |
| 11 | Improved delay-range-dependent stability analysis of a time-delay system with norm bounded uncertainty. ISA Transactions, 2015, 58, 50-57. | 3.1 | 17 |
| 12 | Switching synchronisation of a 3-D multi-state-time-delay chaotic system including externally added memristor with hidden attractors and multi-scroll via sliding mode control. European Physical Journal: Special Topics, 2020, 229, 1231-1244. | 1.2 | 16 |
| 13 | Robust observer based control for plasma glucose regulation in type 1 diabetes patient using attractive ellipsoid method. IET Systems Biology, 2019, 13, 84-91. | 0.8 | 14 |
| 14 | Improved stabilization criteria for Takagi-Sugeno fuzzy systems with variable delays. Information Sciences, 2021, 579, 591-606. | 4.0 | 13 |
| 15 | New double integral inequality with application to stability analysis for linear retarded systems. IET Control Theory and Applications, 2019, 13, 1514-1524. | 1.2 | 12 |
| 16 | Improved delay-range-dependent stability analysis for uncertain retarded systems based on affine Wirtinger inequality. International Journal of Robust and Nonlinear Control, 2017, 27, 3028-3042. | 2.1 | 11 |
| 17 | Online Delay Estimation and Adaptive Compensation in Wireless Networked System: An Embedded Control Design. International Journal of Control, Automation and Systems, 2020, 18, 856-866. | 1.6 | 11 |
| 18 | Improved Delay-Range-Dependent Stability Condition for T ∞ S Fuzzy Systems with Variable Delays Using New Extended Affine Wirtinger Inequality. International Journal of Fuzzy Systems, 2020, 22, 985-998. | 2.3 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Identifier based intelligent blood glucose concentration regulation for type 1 diabetic patients: An adaptive fuzzy approach. Journal of Intelligent and Fuzzy Systems, 2020, 38, 6175-6184. | 0.8 | 7 |
| 20 | A New 3-D Memristive Time-delay Chaotic System with Multi-scroll and Hidden Attractors. IFAC-PapersOnLine, 2018, 51, 580-585. | 0.5 | 6 |
| 21 | Delay-dependent stability analysis of linear system with multiple state delays. , 2007, , . | | 5 |
| 22 | DELAY-DEPENDENT STABILITY ANALYSIS OF LINEAR SYSTEM WITH TIME VARYING STATE DELAY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 313-318. | 0.4 | 4 |
| 23 | A robust H _∞ load-frequency controller design using LMI. , 2009, , . | | 4 |
| 24 | New delay-dependent stabilization result for linear time-delay system with actuator saturation. , 2012, , . | | 4 |
| 25 | Robust guaranteed-cost output feedback control of blood glucose in type 1 diabetes patient with inpatient variability. Optimal Control Applications and Methods, 2020, 41, 1422-1438. | 1.3 | 4 |
| 26 | Robust Analysis of Networked Control Systems with Time-Varying Delays. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 75-78. | 0.4 | 3 |
| 27 | Integrated Blind Signal Separation and Neural Network Based Energy Detector Architecture. Wireless Personal Communications, 2019, 106, 2315-2333. | 1.8 | 3 |
| 28 | Function approximation based energy detection in cognitive radio using radial basis function network. Intelligent Automation and Soft Computing, 2017, 23, 393-403. | 1.6 | 2 |
| 29 | Improved stability condition for fuzzy systems with interval time varying delay. , 2017, , . | | 2 |
| 30 | H _∞ Control for T-S Fuzzy System via Delayed State Feedback: Application to Two-Link Robotic System. IFAC-PapersOnLine, 2022, 55, 777-782. | 0.5 | 2 |
| 31 | Further improved stability condition for T-S fuzzy time-varying delay systems via generalised inequality. International Journal of Advanced Intelligence Paradigms, 2019, 14, 310. | 0.2 | 1 |
| 32 | New delay-range-dependent stability condition for fuzzy Hopfield neural networks via Wirtinger inequality. Journal of Intelligent and Fuzzy Systems, 2020, 38, 6099-6109. | 0.8 | 1 |
| 33 | Stability Analysis of Time-Delay Systems. Intelligent Systems Reference Library, 2018, , 33-123. | 1.0 | 1 |
| 34 | A Novel Quasi-Periodically Forced System with Time-delay Exhibiting Megastability and Hyperchaos. IFAC-PapersOnLine, 2022, 55, 934-937. | 0.5 | 1 |
| 35 | Bilateral Teleoperation Control of a Bipedal Robot Gait Using a Manipulator. IFAC-PapersOnLine, 2022, 55, 765-770. | 0.5 | 1 |
| 36 | Further results on stability analysis of Takagi-Sugeno fuzzy time-delay systems via improved Lyapunov-Krasovskii functional. AIMS Mathematics, 2022, 7, 16464-16481. | 0.7 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Control of Time-Delay Systems with Actuator Saturation. Intelligent Systems Reference Library, 2018, , 185-223. | 1.0 | 0 |
| 38 | Fuzzy Time-Delay System. Intelligent Systems Reference Library, 2018, , 225-242. | 1.0 | 0 |
| 39 | Stabilization of Time-Delay Systems. Intelligent Systems Reference Library, 2018, , 125-183. | 1.0 | 0 |
| 40 | Synchronization for Nonlinear Time-Delay Chaotic Diabetes Mellitus System via State Feedback Control Strategy. Advances in Intelligent Systems and Computing, 2021, , 769-779. | 0.5 | 0 |
| 41 | Dissipative Control for Single Flexible Joint Robotic System via Tâ€™S Fuzzy Modelling Approach. IFAC-PapersOnLine, 2022, 55, 637-642. | 0.5 | 0 |
| 42 | Teleoperation of Multi-Degrees-of-Freedom Manipulator through Composite State Convergence Scheme. IFAC-PapersOnLine, 2022, 55, 126-130. | 0.5 | 0 |