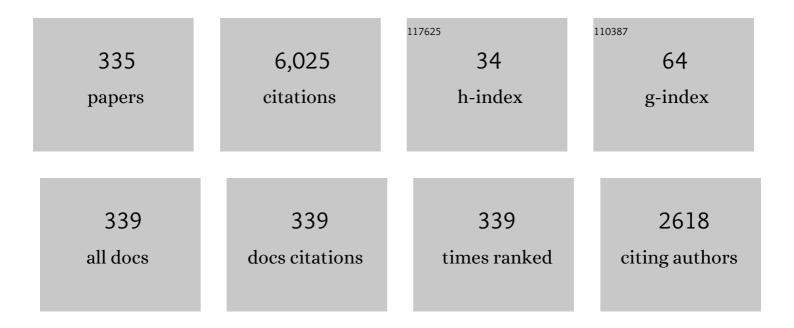
Asok Ray

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9155828/publications.pdf Version: 2024-02-01



ASOK RAV

| # | Article | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Early Prediction of Lean Blowout from Chemiluminescence Time Series Data. Combustion Science and Technology, 2022, 194, 1108-1135. | 2.3 | 10 |
| 2 | Data-driven Detection and Early Prediction of Thermoacoustic Instability in a Multi-nozzle Combustor. Combustion Science and Technology, 2022, 194, 1481-1512. | 2.3 | 10 |
| 3 | Optimal Window-Symbolic Time Series Analysis for Pattern Classification and Anomaly Detection. IEEE Transactions on Industrial Informatics, 2022, 18, 2614-2621. | 11.3 | 5 |
| 4 | On State-Space Modeling and Signal Localization in Dynamical Systems. ASME Letters in Dynamic Systems and Control, 2022, 2, . | 0.7 | 1 |
| 5 | Thresholdless Classification of chaotic dynamics and combustion instability via probabilistic finite state automata. Mechanical Systems and Signal Processing, 2022, 164, 108213. | 8.0 | 6 |
| 6 | A Dynamically Stabilized Recurrent Neural Network. Neural Processing Letters, 2022, 54, 1195-1209. | 3.2 | 26 |
| 7 | Point-kinetics neutron noise modeling and analysis via probabilistic finite state automata. Nuclear Engineering and Design, 2022, 388, 111628. | 1.7 | 0 |
| 8 | Spectral invariants of ergodic symbolic systems for pattern recognition and anomaly detection. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, . | 3.4 | 1 |
| 9 | Deep Reinforcement Learning Control of a Boiling Water Reactor. IEEE Transactions on Nuclear Science, 2022, 69, 1820-1832. | 2.0 | 7 |
| 10 | Multivariable Nonadaptive Controller Design. IEEE Transactions on Industrial Electronics, 2021, 68, 6181-6191. | 7.9 | 5 |
| 11 | A dual-imaging framework for multi-scale measurements of fatigue crack evolution in metallic materials. International Journal of Fatigue, 2021, 142, 105922. | 5.7 | 6 |
| 12 | HMM conditional-likelihood based change detection with strict delay tolerance. Mechanical Systems and Signal Processing, 2021, 147, 107109. | 8.0 | 5 |
| 13 | Classification of fatigue crack damage in polycrystalline alloy structures using convolutional neural networks. Engineering Failure Analysis, 2021, 119, 104908. | 4.0 | 27 |
| 14 | Forecasting and Detection of Fatigue Cracks in Polycrystalline Alloys With Ultrasonic Testing Via Discrete Wavelet Transform. Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems, 2021, 4, . | 0.9 | 2 |
| 15 | Identification of Long-Term Behavior of Natural Circulation Loops: A Thresholdless Approach from an Initial Response. Sci, 2021, 3, 14. | 3.0 | 0 |
| 16 | Early Detection of Fatigue Crack Damage in Ductile Materials: A Projection-Based Probabilistic Finite State Automata Approach. ASME Letters in Dynamic Systems and Control, 2021, 1, . | 0.7 | 6 |
| 17 | Transfer Learning for Detection of Combustion Instability Via Symbolic Time-Series Analysis. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2021, 143, . | 1.6 | 3 |
| 18 | Transfer learning of deep neural networks for predicting thermoacoustic instabilities in combustion systems. Energy and Al, 2021, 5, 100085. | 10.6 | 12 |

| # | Article | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | A Data-Driven Framework for Early-Stage Fatigue Damage Detection in Aluminum Alloys Using Ultrasonic Sensors. Machines, 2021, 9, 211. | 2.2 | 7 |
| 20 | Measure invariance of ergodic symbolic systems for low-delay detection of anomalous events. Mechanical Systems and Signal Processing, 2021, 159, 107746. | 8.0 | 8 |
| 21 | Data-Driven Detection and Classification of Regimes in Chaotic Systems Via Hidden Markov Modeling. ASME Letters in Dynamic Systems and Control, 2021, 1, . | 0.7 | 2 |
| 22 | Statistical Analysis of the CapabilitiesÂof Various Pattern Recognition Algorithms for FractureÂDetection Based on Monitoring Drilling Parameters. Rock Mechanics and Rock Engineering, 2020, 53, 2265-2278. | 5.4 | 8 |
| 23 | Detection and classification of lean blow-out and thermoacoustic instability in turbulent combustors. Applied Thermal Engineering, 2020, 180, 115808. | 6.0 | 14 |
| 24 | Neural Network-Based Automated Assessment of Fatigue Damage in Mechanical Structures. Machines, 2020, 8, 85. | 2.2 | 6 |
| 25 | On Singular Perturbation of Neutron Point Kinetics in the Dynamic Model of a PWR Nuclear Power Plant. Sci, 2020, 2, 36. | 3.0 | 1 |
| 26 | Investigation of Melt Pool Geometry Control in Additive Manufacturing Using Hybrid Modeling. Metals, 2020, 10, 683. | 2.3 | 39 |
| 27 | On Singular Perturbation of Neutron Point Kinetics in the Dynamic Model of a PWR Nuclear Power Plant. Sci, 2020, 2, 30. | 3.0 | 3 |
| 28 | Reduced-order modelling of thermoacoustic instabilities in a two-heater Rijke tube. Combustion Theory and Modelling, 2020, 24, 530-548. | 1.9 | 6 |
| 29 | Symbolic Time Series Analysis for Anomaly Detection in Measure-Invariant Ergodic Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2020, 142, . | 1.6 | 14 |
| 30 | Online Discovery and Classification of Operational Regimes From an Ensemble of Time Series Data. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2020, 142, . | 1.6 | 5 |
| 31 | Real-Time Monitoring and Diagnostics of Anomalous Behavior in Dynamical Systems. Energy, Environment, and Sustainability, 2020, , 301-327. | 1.0 | 1 |
| 32 | Modeling of microscope images for early detection of fatigue cracks in structural materials. International Journal of Advanced Manufacturing Technology, 2019, 104, 3899-3913. | 3.0 | 5 |
| 33 | Neural Network-Based Learning from Demonstration of an Autonomous Ground Robot. Machines, 2019, 7, 24. | 2.2 | 15 |
| 34 | Sequential hypothesis tests for streaming data via symbolic time-series analysis. Engineering Applications of Artificial Intelligence, 2019, 81, 234-246. | 8.1 | 6 |
| 35 | Improving the capability of detecting joints and fractures in rock mass from roof bolt drilling data by using wavelet analysis. International Journal of Oil, Gas and Coal Technology, 2019, 20, 97. | 0.2 | 5 |
| 36 | Dynamic Data-Driven Combustor Design for Mitigation of Thermoacoustic Instabilities. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, . | 1.6 | 4 |

| # | Article | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Early Detection of Thermoacoustic Instabilities Using Hidden Markov Models. Combustion Science and Technology, 2019, 191, 1309-1336. | 2.3 | 22 |
| 38 | State-Space Representations of Deep Neural Networks. Neural Computation, 2019, 31, 538-554. | 2.2 | 8 |
| 39 | Hidden Markov Modeling-Based Decision-Making Using Short-Length Sensor Time Series. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, . | 1.6 | 7 |
| 40 | Neural Probabilistic Forecasting of Symbolic Sequences With Long Short-Term Memory. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, . | 1.6 | 7 |
| 41 | Application of Composite Indices for Improving Joint Detection Capabilities of Instrumented Roof Bolt Drills in Underground Mining and Construction. Rock Mechanics and Rock Engineering, 2018, 51, 849-860. | 5.4 | 8 |
| 42 | Symbolic analysis-based reduced order Markov modeling of time series data. Signal Processing, 2018, 149, 68-81. | 3.7 | 15 |
| 43 | Bayesian Nonparametric Regression Modeling of Panel Data for Sequential Classification. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4128-4139. | 11.3 | 2 |
| 44 | Learning From Multiple Imperfect Instructors in Sensor Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5166-5172. | 11.3 | 0 |
| 45 | Information-Theoretic Performance Analysis of Sensor Networks via Markov Modeling of Time Series Data. IEEE Transactions on Cybernetics, 2018, 48, 1898-1909. | 9.5 | 13 |
| 46 | Detection of Thermoacoustic Instabilities Via Nonparametric Bayesian Markov Modeling of Time-Series Data. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, . | 1.6 | 1 |
| 47 | Markov Modeling of Time Series via Spectral Analysis for Detection of Combustion Instabilities. , 2018, , 123-138. | | 2 |
| 48 | Imitation of Demonstrations Using Bayesian Filtering With Nonparametric Data-Driven Models. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, . | 1.6 | 2 |
| 49 | Analysis of Filtered Thermal-Fluid Video Data From Downward Facing Boiling Experiments. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, . | 1.6 | 2 |
| 50 | Study of vapor film dynamics and heat transfer through an image processing technique. International Journal of Heat and Mass Transfer, 2018, 125, 1310-1320. | 4.8 | 9 |
| 51 | A Locally Optimal Algorithm for Estimating a Generating Partition from an Observed Time Series and Its Application to Anomaly Detection. Neural Computation, 2018, 30, 2500-2529. | 2.2 | 8 |
| 52 | Bayesian Nonparametric Modeling of Categorical Data for Information Fusion and Causal Inference. Entropy, 2018, 20, 396. | 2.2 | 2 |
| 53 | On Compression of Machine-Derived Context Sets for Fusion of Multi-modal Sensor Data. , 2018, , 571-586. | | 0 |
| 54 | Information Fusion of Passive Sensors for Detection of Moving Targets in Dynamic Environments. IEEE Transactions on Cybernetics, 2017, 47, 93-104. | 9.5 | 42 |

| # | Article | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 55 | Lean Blowout (LBO) Prediction Through Symbolic Time Series Analysis. , 2017, , 153-167. | | 2 |
| 56 | Sparse Representation for Time-Series Classification. , 2017, , 199-215. | | 1 |
| 57 | Dynamic Data-Driven Design of Lean Premixed Combustors for Thermoacoustically Stable Operations. Journal of Mechanical Design, Transactions of the ASME, 2017, 139, . | 2.9 | 11 |
| 58 | Probabilistic forecasting of symbol sequences with deep neural networks. , 2017, , . | | 2 |
| 59 | Distributed Modular Supervisory Control of Integrated < br /> Aircraft Propulsion, Power, and Thermal Systems: < br /> An Overview. , 2017, , . | | 2 |
| 60 | Prediction of Thermoacoustic Instabilities in a Premixed Combustor based on FFT-based Dynamic Characterization. , 2017, , . | | 5 |
| 61 | Bayesian nonparametric modeling of Markov chains for detection of thermoacoustic instabilities. , 2017, , . | | 2 |
| 62 | Unsupervised Symbolization of Signal Time Series for Extraction of the Embedded Information. Entropy, 2017, 19, 148. | 2.2 | 13 |
| 63 | Multimodal spatiotemporal information fusion using neural-symbolic modeling for early detection of combustion instabilities. , 2016, , . | | 2 |
| 64 | Sensor selection for passive sensor networks in dynamic environment: A dynamic data-driven approach. , 2016, , . | | 1 |
| 65 | Data-driven robot gait modeling via symbolic time series analysis. , 2016, , . | | 5 |
| 66 | Information-space partitioning and symbolization of multi-dimensional time-series data using density estimation. , 2016, , . | | 4 |
| 67 | Real-time identification of state-of-charge in battery systems: Dynamic data-driven estimation with limited window length. , 2016, , . | | Ο |
| 68 | Real-time combustion state identification via image processing: A dynamic data-driven approach. , 2016, , | | 9 |
| 69 | Data-driven anytime algorithms for motion planning with safety guarantees. , 2016, , . | | 4 |
| 70 | Dynamic data-driven and model-based recursive analysis for estimation of battery state-of-charge. Applied Energy, 2016, 184, 266-275. | 10.1 | 29 |
| 71 | Symbolization of dynamic data-driven systems for signal representation. Signal, Image and Video Processing, 2016, 10, 1535-1542. | 2.7 | 9 |
| 72 | Dynamic data-driven prediction of instability in a swirl-stabilized combustor. International Journal of Spray and Combustion Dynamics, 2016, 8, 235-253. | 1.0 | 47 |

| # | Article | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 73 | Path planning in GPS-denied environments via collective intelligence of distributed sensor networks. International Journal of Control, 2016, 89, 984-999. | 1.9 | 9 |
| 74 | Algorithms for Context Learning and Information Representation for Multi-Sensor Teams. Advances in Computer Vision and Pattern Recognition, 2016, , 403-427. | 1.3 | 3 |
| 75 | Game Theoretic Controller Synthesis for Multi-Robot Motion Planning-Part II: Policy-based Algorithmsâ^—â^—M. Zhu was partially supported by NSF grant CNS-1505664 IFAC-PapersOnLine, 2015, 48, 168-173. | 0.9 | 4 |
| 76 | Learning context-aware measurement models. , 2015, , . | | 7 |
| 77 | Dynamic Data-Driven Prediction of Lean Blowout in a Swirl-Stabilized Combustor. International Journal of Spray and Combustion Dynamics, 2015, 7, 209-241. | 1.0 | 20 |
| 78 | Path planning in GPS-denied environments: A collective intelligence approach. , 2015, , . | | 6 |
| 79 | Ground characterization and roof mapping: Online sensor signal-based change detection. International Journal of Mining Science and Technology, 2015, 25, 905-913. | 10.3 | 8 |
| 80 | Feature level sensor fusion for target detection in dynamic environments. , 2015, , . | | 5 |
| 81 | Robot Path Planning in Uncertain Environments: A Language-Measure-Theoretic Approach. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, . | 1.6 | 5 |
| 82 | Topology optimisation for energy management in underwater sensor networks. International Journal of Control, 2015, 88, 1775-1788. | 1.9 | 11 |
| 83 | Identification of the battery state-of-health parameter from input–output pairs of time series data. Journal of Power Sources, 2015, 285, 235-246. | 7.8 | 22 |
| 84 | Dynamic Prediction of Vehicle Cluster Distribution in Mixed Traffic: A Statistical Mechanics-Inspired Method. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2424-2434. | 8.0 | 11 |
| 85 | Real-time activity recognition from seismic signature via multi-scale symbolic time series analysis (MSTSA). , 2015, , . | | 9 |
| 86 | Identification of battery parameters via symbolic input-output analysis: A dynamic data-driven approach. , 2015, , . | | 0 |
| 87 | Alphabet size selection for symbolization of dynamic data-driven systems: An information-theoretic approach. , 2015, , . | | 6 |
| 88 | Depth estimation in Markov models of time-series data via spectral analysis. , 2015, , . | | 7 |
| 89 | Dynamic data-driven identification of battery state-of-charge via symbolic analysis of input–output pairs. Applied Energy, 2015, 155, 778-790. | 10.1 | 16 |
| 90 | Sensor Fusion for Fault Detection and Classification in Distributed Physical Processes. Frontiers in Robotics and AI, 2014, 1, . | 3.2 | 24 |

| # | Article | IF | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Early detection of lean blow out (LBO) via generalized D-Markov machine construction. , 2014, , . | | 6 |
| 92 | Dynamic context-aware sensor selection for sequential hypothesis testing. , 2014, , . | | 5 |
| 93 | Stability Monitoring of Rotorcraft Systems: A Dynamic Data-Driven Approach. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, . | 1.6 | 2 |
| 94 | Navigation of autonomous vehicles for oil spill cleaning in dynamic and uncertain environments. International Journal of Control, 2014, 87, 787-801. | 1.9 | 22 |
| 95 | State splitting and merging in probabilistic finite state automata for signal representation and analysis. Signal Processing, 2014, 104, 105-119. | 3.7 | 83 |
| 96 | Implementation of fault detection and prediction capabilities in a multilevel current source inverter. , 2014, , . | | 0 |
| 97 | Performance robustness of feature extraction for target detection & classification. , 2014, , . | | 5 |
| 98 | Target detection and target type & motion classification: Comparison of feature extraction algorithms. , 2014, , . | | 1 |
| 99 | Real-time estimation of lead-acid battery parameters: A dynamic data-driven approach. Journal of Power Sources, 2014, 268, 758-764. | 7.8 | 22 |
| 100 | Context-aware Dynamic Data-driven Pattern Classification. Procedia Computer Science, 2014, 29, 1324-1333. | 2.0 | 12 |
| 101 | Performance comparison of feature extraction algorithms for target detection and classification. Pattern Recognition Letters, 2013, 34, 2126-2134. | 4.2 | 46 |
| 102 | Symbolic Dynamic Analysis of Transient Time Series for Fault Detection in Gas Turbine Engines. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2013, 135, . | 1.6 | 18 |
| 103 | Hilbert space formulation of symbolic systems for signal representation and analysis. Signal Processing, 2013, 93, 2594-2611. | 3.7 | 4 |
| 104 | An artificial language for data-driven self-adaptation of networked robots in dynamic environments. , 2013, , . | | 0 |
| 105 | Dynamic Data Driven Sensor Array Fusion for Target Detection and Classification. Procedia Computer Science, 2013, 18, 2046-2055. | 2.0 | 19 |
| 106 | A variance-estimation-based stopping rule for symbolic dynamic filtering. Signal, Image and Video Processing, 2013, 7, 189-195. | 2.7 | 0 |
| 107 | Lean Blow-Out Prediction in Gas Turbine Combustors Using Symbolic Time Series Analysis. Journal of Propulsion and Power, 2013, 29, 950-960. | 2.2 | 41 |
| 108 | Detection and estimation of demagnetization faults in permanent magnet synchronous motors. Electric Power Systems Research, 2013, 96, 225-236. | 3.6 | 33 |

| # | Article | IF | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Adaptive pattern classification for symbolic dynamic systems. Signal Processing, 2013, 93, 252-260. | 3.7 | 18 |
| 110 | Anomaly detection in flight recorder data: A dynamic data-driven approach. , 2013, , . | | 16 |
| 111 | Classification of Two-Phase Flow Patterns by Ultrasonic Sensing. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2013, 135, . | 1.6 | 6 |
| 112 | Multi-sensor information fusion for fault detection in aircraft gas turbine engines. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2013, 227, 1988-2001. | 1.3 | 21 |
| 113 | BEHAVIOR PREDICTION FOR DECISION AND CONTROL IN COGNITIVE AUTONOMOUS SYSTEMS. New Mathematics and Natural Computation, 2013, 09, 263-271. | 0.7 | 2 |
| 114 | Distributed decision propagation in mobile-agent proximity networks. International Journal of Control, 2013, 86, 1118-1130. | 1.9 | 11 |
| 115 | Language measure-theoretic path planning in the presence of dynamic obstacles. , 2013, , . | | 4 |
| 116 | Spatiotemporal information fusion for fault detection in shipboard auxiliary systems. , 2013, , . | | 2 |
| 117 | Identification of Instabilities in Rotorcraft Systems. , 2013, , . | | 0 |
| 118 | Symbolic transient time-series analysis for fault detection in aircraft gas turbine engines. , 2012, , . | | 4 |
| 119 | DESIGNING A FUSION-DRIVEN SENSOR NETWORK TO SELECTIVELY TRACK MOBILE TARGETS. Parallel Processing Letters, 2012, 22, 1250001. | 0.6 | 1 |
| 120 | Online recursive estimation of remaining life using ultrasonic measurements. Structural Health Monitoring, 2012, 11, 413-421. | 7.5 | 7 |
| 121 | Multi-resolution navigation of mobile robots with complete coverage of unknown and complex environments. , 2012, , . | | 6 |
| 122 | Distributed decision propagation in mobile agent networks. , 2012, , . | | 0 |
| 123 | Symbolic Dynamic Filtering and Language Measure for Behavior Identification of Mobile Robots. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 647-659. | 5.0 | 18 |
| 124 | Statistical Mechanics-Inspired Modeling of Heterogeneous Packet Transmission in Communication Networks. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 1083-1094. | 5.0 | 7 |
| 125 | A unified framework for supervised learning of semantic models. , 2012, , . | | 0 |
| 126 | Adaptation in symbolic dynamic systems for pattern classification. , 2012, , . | | 0 |

| # | Article | IF | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Target Detection and Classification Using Seismic and PIR Sensors. IEEE Sensors Journal, 2012, 12, 1709-1718. | 4.7 | 127 |
| 128 | Optimization of symbolic feature extraction for pattern classification. Signal Processing, 2012, 92, 625-635. | 3.7 | 18 |
| 129 | Vector space formulation of probabilistic finite state automata. Journal of Computer and System Sciences, 2012, 78, 1127-1141. | 1.2 | 5 |
| 130 | An inner product space on irreducible and synchronizable probabilistic finite state automata. Mathematics of Control, Signals, and Systems, 2012, 23, 281-310. | 2.3 | 14 |
| 131 | Symbolic encoding of analytic signals for structural monitoring of power systems. , 2011, , . | | 0 |
| 132 | Modeling of symbolic systems: Part I - Vector space representation of probabilistic finite state automata. , 2011, , . | | 1 |
| 133 | Modeling of symbolic systems: Part II - Hilbert space construction for model identification and order reduction. , 2011, , . | | 2 |
| 134 | Statistical-Mechanics-Inspired Optimization of Sensor Field Configuration for Detection of Mobile Targets. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 783-791. | 5.0 | 24 |
| 135 | Symbolic Analysis of Sonar Data for Underwater Target Detection. IEEE Journal of Oceanic Engineering, 2011, 36, 219-230. | 3.8 | 56 |
| 136 | Distributed network control for mobile multi-modal wireless sensor networks. Journal of Parallel and Distributed Computing, 2011, 71, 460-470. | 4.1 | 5 |
| 137 | Wavelet-based feature extraction using probabilistic finite state automata for pattern classification. Pattern Recognition, 2011, 44, 1343-1356. | 8.1 | 51 |
| 138 | Real-time adaptation of decision thresholds in sensor networks for detection of moving targets. Automatica, 2011, 47, 185-191. | 5.0 | 6 |
| 139 | On the discriminability of keystroke feature vectors used in fixed text keystroke authentication. Pattern Recognition Letters, 2011, 32, 1070-1080. | 4.2 | 59 |
| 140 | Anomaly Detection in Nuclear Power Plants via Symbolic Dynamic Filtering. IEEE Transactions on Nuclear Science, 2011, 58, 277-288. | 2.0 | 34 |
| 141 | Information fusion for object & situation assessment in sensor networks. , 2011, , . | | 10 |
| 142 | GODDeS: Globally ∈-Optimal Routing Via Distributed Decision-theoretic Self-organization. , 2011, , . | | 3 |
| 143 | Semantic sensor fusion for fault diagnosis in aircraft gas turbine engines. , 2011, , . | | 4 |
| 144 | State splitting and state merging in probabilistic finite state automata. , 2011, , . | | 11 |

| # | Article | IF | CITATIONS |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 145 | Optimal partitioning of ultrasonic data for fatigue damage detection?. , 2011, , . | | Ο |
| 146 | Unsupervised inductive learning in symbolic sequences via Recursive Identification of Self-Similar Semantics. , 2011, , . | | 6 |
| 147 | Symbolic dynamic filtering of seismic sensors for target detection and classification. , 2011, , . | | 12 |
| 148 | Data-Driven Fault Detection in Aircraft Engines With Noisy Sensor Measurements. Journal of Engineering for Gas Turbines and Power, 2011, 133, . | 1.1 | 47 |
| 149 | Self-organization of sensor networks for detection of pervasive faults. Signal, Image and Video Processing, 2010, 4, 99-104. | 2.7 | 1 |
| 150 | Symbolic dynamic filtering for image analysis: theory and experimental validation. Signal, Image and Video Processing, 2010, 4, 319-329. | 2.7 | 6 |
| 151 | Analytic signal space partitioning and symbolic dynamic filtering for degradation monitoring of electric motors. Signal, Image and Video Processing, 2010, 4, 399-403. | 2.7 | 10 |
| 152 | A stopping rule for symbolic dynamic filtering. Applied Mathematics Letters, 2010, 23, 1125-1128. | 2.7 | 4 |
| 153 | Symbolic dynamic analysis of surface deformation during fatigue crack initiation. Measurement Science and Technology, 2010, 21, 043003. | 2.6 | 8 |
| 154 | Minimum rotation partitioning for data analysis and its application to fault detection. , 2010, , . | | 0 |
| 155 | Symbolic dynamics of wavelet images for pattern identification. , 2010, , . | | 1 |
| 156 | Distributed decision propagation in mobile agent networks. , 2010, , . | | 2 |
| 157 | Symbolic identification of dynamical systems: Theory and experimental validation. , 2010, , . | | 0 |
| 158 | Mathematical Foundations of Sensor Network Design Based On Linguistic Informatics. , 2010, , . | | 1 |
| 159 | Pattern classification in symbolic streams via semantic annihilation of information. , 2010, , . | | 1 |
| 160 | Symbolic identification for anomaly detection in aircraft gas turbine engines. , 2010, , . | | 2 |
| 161 | Tracking Mobile Targets Using Wireless Sensor Networks. , 2010, , . | | 0 |
| 162 | Statistical mechanics-inspired optimization for sensor field reconfiguration. , 2010, , . | | 0 |

10

| # | Article | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 163 | A decision-theoretic model of selection modulated intra-host antigenic variation for multi-strain pathogens. , 2010, , . | | 0 |
| 164 | Optimal control of infinite horizon partially observable decision processes modelled as generators of probabilistic regular languages. International Journal of Control, 2010, 83, 457-483. | 1.9 | 2 |
| 165 | Integrated Robust and Resilient Control of Nuclear Power Plants for Operational Safety and High Performance. IEEE Transactions on Nuclear Science, 2010, 57, 807-817. | 2.0 | 24 |
| 166 | Symbolic analysis of time series signals using generalized Hilbert transform. , 2009, , . | | 1 |
| 167 | Ultrasonic measurement of crack opening load for life-extending control of mechanical structures. , 2009, , . | | 3 |
| 168 | Estimation of multiple faults in aircraft gas-turbine engines. , 2009, , . | | 4 |
| 169 | Understanding phase transition in communication networks to enable robust and resilient control. , 2009, , . | | 5 |
| 170 | Data-driven estimation of multiple fault parameters in permanent magnet synchronous motors. , 2009, , . | | 1 |
| 171 | Autonomous robot navigation using optimal control of probabilistic regular languages. International Journal of Control, 2009, 82, 13-26. | 1.9 | 4 |
| 172 | Supervised self-organization of large homogeneous Swarms using Ergodic Projections of Markov Chains. , 2009, , . | | 1 |
| 173 | Suboptimal partitioning of time-series data for anomaly detection. , 2009, , . | | 6 |
| 174 | Optimal path-planning under finite memory obstacle dynamics based on probabilistic finite state automata models. , 2009, , . | | 2 |
| 175 | Data driven anomaly detection via symbolic identification of complex dynamical systems. , 2009, , . | | 2 |
| 176 | Adaptive control of sensor networks for detection of percolating faults. , 2009, , . | | 0 |
| 177 | A real time implementable All-Pair Dynamic Planning Algorithm for robot navigation based on the renormalized measure of probabilistic regular languages. , 2009, , . | | 0 |
| 178 | Behavior recognition in mobile robots using Symbolic Dynamic Filtering and language measure. , 2009, , . | | 0 |
| 179 | Asynchronous data-driven classification of weapon systems. Measurement Science and Technology, 2009, 20, 123001. | 2.6 | 5 |
| 180 | Void fraction measurement in two-phase flow processes via symbolic dynamic filtering of ultrasonic signals. Measurement Science and Technology, 2009, 20, 023001. | 2.6 | 30 |

| # | Article | IF | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|
| 181 | Adaptive Sensor Activity Scheduling in Distributed Sensor Networks: A Statistical Mechanics Approach. International Journal of Distributed Sensor Networks, 2009, 5, 242-261. | 2.2 | 8 |
| 182 | Early detection of stator voltage imbalance in three-phase induction motors. Electric Power Systems Research, 2009, 79, 239-245. | 3.6 | 20 |
| 183 | Statistical Mechanics of Complex Systems for Pattern Identification. Journal of Statistical Physics, 2009, 134, 337-364. | 1.2 | 24 |
| 184 | Review and comparative evaluation of symbolic dynamic filtering for detection of anomaly patterns. Signal, Image and Video Processing, 2009, 3, 101-114. | 2.7 | 94 |
| 185 | An information-theoretic measure for anomaly detection in complex dynamical systems. Mechanical Systems and Signal Processing, 2009, 23, 358-371. | 8.0 | 7 |
| 186 | Statistical estimation of multiple parameters via symbolic dynamic filtering. Signal Processing, 2009, 89, 981-988. | 3.7 | 5 |
| 187 | Generalization of Hilbert transform for symbolic analysis of noisy signals. Signal Processing, 2009, 89, 1245-1251. | 3.7 | 19 |
| 188 | Underwater mine detection using symbolic pattern analysis of sidescan sonar images. , 2009, , . | | 18 |
| 189 | νaˆ†: a robot path planning algorithm based on renormalised measure of probabilistic regular languages. International Journal of Control, 2009, 82, 849-867. | 1.9 | 10 |
| 190 | Signal threshold estimation in a sensor field for undersea target tracking. , 2009, , . | | 0 |
| 191 | Statistical pattern analysis of ultrasonic signals for fatigue damage detection in mechanical structures. NDT and E International, 2008, 41, 491-500. | 3.7 | 15 |
| 192 | Anomaly detection in flexible mechanical couplings via symbolic time series analysis. Journal of Sound and Vibration, 2008, 311, 608-622. | 3.9 | 9 |
| 193 | Estimation of slowly varying parameters in nonlinear systems via symbolic dynamic filtering. Signal Processing, 2008, 88, 339-348. | 3.7 | 23 |
| 194 | Fault diagnosis and isolation in aircraft gas turbine engines. , 2008, , . | | 2 |
| 195 | Structural transformations of probabilistic finite state machines. International Journal of Control, 2008, 81, 820-835. | 1.9 | 30 |
| 196 | Generalised projections in finite state automata and decidability of state determinacy. International Journal of Control, 2008, 81, 1626-1644. | 1.9 | 2 |
| 197 | Early detection of fatigue damage using escort distributions of ultrasonic data sequences. , 2008, , . | | 0 |
| 198 | Mathematical Methods in Robust Control of Linear Stochastic Systems (Mathematical Concepts and) Tj ETQq0 (| 0 0 rgBT /0 5.7 | Overlock 10 Tf 0 |

198

12

on Automatic Control, 2008, 53, 862-864.

| # | Article | IF | CITATIONS |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 199 | Estimation of multiple parameters in dynamical systems. , 2008, , . | | 2 |
| 200 | Comparative evaluation of Symbolic Dynamic Filtering for detection of anomaly patterns. , 2008, , . | | 1 |
| 201 | Trend detection and data mining via wavelet and Hilbert-Huang transforms. , 2008, , . | | 3 |
| 202 | Space partitioning via Hilbert transform for symbolic time series analysis. Applied Physics Letters, 2008, 92, . | 3.3 | 75 |
| 203 | Symbolic identification and anomaly detection in complex dynamical systems. , 2008, , . | | 3 |
| 204 | Irreversibility-based Measure of Slowly Evolving Anomalies. Proceedings of the American Control Conference, 2007, , . | 0.0 | 1 |
| 205 | Pattern identification using lattice spin systems: A thermodynamic formalism. Applied Physics Letters, 2007, 91, 194105. | 3.3 | 12 |
| 206 | Language-measure-theoretic optimal control of probabilistic finite-state systems. International Journal of Control, 2007, 80, 1271-1290. | 1.9 | 30 |
| 207 | Generalized Projections in Finite State Automata & Decidability of State Determinacy. Proceedings of the American Control Conference, 2007, , . | 0.0 | 1 |
| 208 | Estimation of Fatigue Life Using Ultrasonic Sensing: A Symbolic Dynamics Approach. Proceedings of the American Control Conference, 2007, , . | 0.0 | 0 |
| 209 | Prognosis of Failure Precursor in Complex Electrical Systems Using Symbolic Dynamics. Proceedings of the American Control Conference, 2007, , . | 0.0 | 2 |
| 210 | Dynamic Information Fusion Driven Design of Urban Sensor Networks. , 2007, , . | | 5 |
| 211 | Generalized language measure families of probabilistic finite state systems. International Journal of Control, 2007, 80, 789-799. | 1.9 | 0 |
| 212 | Real-time fatigue life estimation in mechanical structures. Measurement Science and Technology, 2007, 18, 1947-1957. | 2.6 | 48 |
| 213 | Modelling and system identification of an experimental apparatus for anomaly detection in mechanical systems. Applied Mathematical Modelling, 2007, 31, 734-748. | 4.2 | 6 |
| 214 | Hierarchical control of aircraft propulsion systems: Discrete event supervisor approach. Control Engineering Practice, 2007, 15, 149-162. | 5.5 | 9 |
| 215 | Symbolic time series analysis of ultrasonic data for early detection of fatigue damage. Mechanical Systems and Signal Processing, 2007, 21, 866-884. | 8.0 | 136 |
| 216 | Pattern identification in dynamical systems via symbolic time series analysis. Pattern Recognition, 2007, 40, 2897-2907. | 8.1 | 31 |

| # | Article | IF | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 217 | Integrated decision and control of human-engineered complex systems. International Journal of General Systems, 2006, 35, 275-294. | 2.5 | 4 |
| 218 | A language measure for partially observed discrete event systems. International Journal of Control, 2006, 79, 1074-1086. | 1.9 | 4 |
| 219 | Pattern Identification in Complex Systems: A Statistical Thermodynamic Approach. , 2006, , 771. | | 2 |
| 220 | Correlation regimes in fluctuations of fatigue crack growth. Physica A: Statistical Mechanics and Its Applications, 2006, 359, 1-23. | 2.6 | 6 |
| 221 | Symbolic time series analysis via wavelet-based partitioning. Signal Processing, 2006, 86, 3309-3320. | 3.7 | 227 |
| 222 | Identification of statistical patterns in complex systems via symbolic time series analysis. ISA Transactions, 2006, 45, 477-490. | 5.7 | 6 |
| 223 | Wavelet Space Partitioning for Symbolic Time Series Analysis. Chinese Physics Letters, 2006, 23, 1951-1954. | 3.3 | 2 |
| 224 | Symbolic time series analysis of ultrasonic signals for fatigue damage monitoring in polycrystalline alloys. Measurement Science and Technology, 2006, 17, 1963-1973. | 2.6 | 12 |
| 225 | Autonomous Navigation of Mobile Robots Using Optimal Control of Finite State Automata. , 2006, , . | | 4 |
| 226 | Anomaly Detection in Aircraft Gas Turbine Engines. Journal of Aerospace Computing, Information, and Communication, 2006, 3, 44-51. | 0.8 | 27 |
| 227 | Supervisory Control of Software Systems. , 2005, , 207-238. | | 0 |
| 228 | On-line identification of language measure parameters for discrete-event supervisory control. Applied Mathematical Modelling, 2005, 29, 597-613. | 4.2 | 9 |
| 229 | Symbolic time series analysis for anomaly detection: A comparative evaluation. Signal Processing, 2005, 85, 1859-1868. | 3.7 | 63 |
| 230 | Robust optimal control of regular languages. Automatica, 2005, 41, 1439-1445. | 5.0 | 2 |
| 231 | Robust Optimal Control of Regular Languages. , 2005, , 71-93. | | 3 |
| 232 | Supervisory Control of Malicious Executables in Software Processes. , 2005, , 239-259. | | 0 |
| 233 | A COMPLEX MEASURE FOR LINEAR GRAMMARS. Demonstratio Mathematica, 2005, 38, . | 1.5 | 2 |
| 234 | Optimal Discrete Event Control of Gas Turbine Engines. , 2005, , 183-205. | | 0 |

| # | Article | IF | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 235 | Optimal Supervisory Control of Regular Languages. , 2005, , 39-69. | | Ο |
| 236 | Intelligent Navigation in Space Under Supervisory Control. , 2005, , . | | 1 |
| 237 | Signed Real Measure of Regular Languages. , 2005, , 3-37. | | 19 |
| 238 | Advanced Topics in Supervisory Control. , 2005, , 95-130. | | 0 |
| 239 | Optimal Control of Robot Behavior Using Language Measure. , 2005, , 157-181. | | 3 |
| 240 | Stochastic Measure of Fatigue Crack Damage for Health Monitoring of Ductile Alloy Structures. Structural Health Monitoring, 2004, 3, 245-263. | 7.5 | 15 |
| 241 | Symbolic dynamic analysis of complex systems for anomaly detection. Signal Processing, 2004, 84, 1115-1130. | 3.7 | 335 |
| 242 | A language measure for performance evaluation of discrete-event supervisory control systems. Applied Mathematical Modelling, 2004, 28, 817-833. | 4.2 | 44 |
| 243 | Unconstrained optimal control of regular languages. Automatica, 2004, 40, 639-646. | 5.0 | 32 |
| 244 | Optimal supervisory control of finite state automata. International Journal of Control, 2004, 77, 1083-1100. | 1.9 | 26 |
| 245 | Hierarchical Discrete Event Supervisory Control of Aircraft Propulsion Systems. , 2004, , . | | 1 |
| 246 | OPTIMAL SUPERVISORY CONTROL OF REGULAR LANGUAGES. Demonstratio Mathematica, 2004, 37, . | 1.5 | 0 |
| 247 | Optimal control of robot behaviour using language measure. International Journal of Vehicle Autonomous Systems, 2004, 2, 147. | 0.2 | 6 |
| 248 | Robot behavioral selection using discrete event language measure. , 2004, , . | | 2 |
| 249 | Calibration and estimation of redundant signals for real-time monitoring and control. Signal Processing, 2003, 83, 2593-2605. | 3.7 | 3 |
| 250 | Signed real measure of regular languages for discrete-event automata. International Journal of Control, 2003, 76, 1800-1808. | 1.9 | 36 |
| 251 | Anomaly Detection in Complex Systems â€. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 1119-1124. | 0.4 | 6 |
| 252 | Detection and identification of potential faults via multi-level hypotheses testing. Signal Processing, 2002, 82, 853-859. | 3.7 | 3 |

| # | Article | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 253 | Wide-range robust control of combustion instability. Combustion and Flame, 2002, 128, 242-258. | 5.2 | 29 |
| 254 | Fatigue crack growth under variable-amplitude loading: Part I – Model formulation in state-space setting. Applied Mathematical Modelling, 2001, 25, 979-994. | 4.2 | 64 |
| 255 | Fatigue crack growth under variable-amplitude loading: Part II – Code development and model validation. Applied Mathematical Modelling, 2001, 25, 995-1013. | 4.2 | 65 |
| 256 | Observer-embedded L2-gain control. Applied Mathematics Letters, 2001, 14, 563-569. | 2.7 | 4 |
| 257 | Nonlinear Control of a Reusable Rocket Engine for Life Extension. Journal of Propulsion and Power, 2001, 17, 998-1004. | 2.2 | 10 |
| 258 | Robust damage-mitigating control of aircraft structures. , 2000, , . | | 0 |
| 259 | Damage-Mitigating Control With Overload Injection: Experimental Validation of the Concept1. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 336-342. | 1.6 | 6 |
| 260 | Hybrid life-extending control of mechanical systems: experimental validation of the concept. Automatica, 2000, 36, 23-36. | 5.0 | 23 |
| 261 | Robust feedback control of combustion instability with modeling uncertainty. Combustion and Flame, 2000, 120, 91-106. | 5.2 | 46 |
| 262 | State-space modeling of fatigue crack growth in ductile alloys. Engineering Fracture Mechanics, 2000, 66, 129-151. | 4.3 | 24 |
| 263 | Calibration and estimation of redundant signals. Automatica, 2000, 36, 1525-1534. | 5.0 | 5 |
| 264 | Fuzzy wide-range control of fossil power plants for life extension and robust performance. Automatica, 2000, 36, 69-82. | 5.0 | 25 |
| 265 | Nonlinear Life-Extending Control of a Rocket Engine. Journal of Guidance, Control, and Dynamics, 2000, 23, 759-762. | 2.8 | 3 |
| 266 | Compensatability and optimal compensation under randomly varying distributed delays. International Journal of Control, 1999, 72, 826-832. | 1.9 | 19 |
| 267 | A stochastic model of fatigue crack propagation under variable-amplitude loading. Engineering Fracture Mechanics, 1999, 62, 477-493. | 4.3 | 31 |
| 268 | Robust Damage-Mitigating Control of Mechanical Systems: Experimental Validation on a Test Apparatus. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1999, 121, 377-385. | 1.6 | 14 |
| 269 | Stochastic Modeling of Fatigue Crack Damage for Risk Analysis and Remaining Life Prediction. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1999, 121, 386-393. | 1.6 | 12 |
| 270 | A State-Space Model of Fatigue Crack Growth. International Journal of Fracture, 1998, 90, 235-249. | 2.2 | 36 |

| # | Article | lF | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 271 | Stochastic modeling of fatigue crack propagation. Applied Mathematical Modelling, 1998, 22, 197-204. | 4.2 | 13 |
| 272 | Fuzzy Damage Mitigating Control of Mechanical Structures. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1998, 120, 249-256. | 1.6 | 30 |
| 273 | Technical Note: Robust Multivariable Control of Rotorcraft in Forward Flight: Impact of Bandwidth on Fatigue Life. Journal of the American Helicopter Society, 1998, 43, 195-201. | 0.8 | 18 |
| 274 | Robust Multivariable Control of Rotorcraft in Forward Flight. Journal of the American Helicopter Society, 1997, 42, 149-160. | 0.8 | 26 |
| 275 | Stochastic optimal control under randomly varying distributed delays. International Journal of Control, 1997, 68, 1179-1202. | 1.9 | 31 |
| 276 | A nonlinear stochastic model of fatigue crack dynamics. Probabilistic Engineering Mechanics, 1997, 12, 33-40. | 2.7 | 29 |
| 277 | Life-extending control of fossil fuel power plants. Automatica, 1997, 33, 1101-1118. | 5.0 | 43 |
| 278 | Damage-Mitigating Control of a Reusable Rocket Engine: Part l—Life Prediction of the Main Thrust Chamber Wall. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1996, 118, 401-408. | 1.6 | 21 |
| 279 | Modelling of power plant dynamics and uncertainties for robust control synthesis. Applied Mathematical Modelling, 1996, 20, 501-512. | 4.2 | 29 |
| 280 | State-space supervisory control of reconfigurable discrete event systems. International Journal of Control, 1996, 63, 767-797. | 1.9 | 29 |
| 281 | Damage-Mitigating Control of a Reusable Rocket Engine: Part II—Formulation of an Optimal Policy. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1996, 118, 409-415. | 1.6 | 13 |
| 282 | GRAMMIAN ASSIGNMENT FOR STOCHASTIC PARAMETER SYSTEMS AND THEIR STABILIZATION UNDER RANDOMLY VARYING DELAYS. Optimal Control Applications and Methods, 1995, 16, 263-272. | 2.1 | 3 |
| 283 | Damage-Mitigating Control of Mechanical Systems: Part l—Conceptual Development and Model Formulation. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1994, 116, 437-447. | 1.6 | 71 |
| 284 | Fixed memory filter for real-time estimation of noise-corrupted signals. Journal of Guidance, Control, and Dynamics, 1994, 17, 631-634. | 2.8 | 0 |
| 285 | Damage-mitigating control of a reusable rocket engine. Journal of Propulsion and Power, 1994, 10, 225-234. | 2.2 | 30 |
| 286 | Experimental verification of a delay compensation algorithm for integrated communication and control systems. International Journal of Control, 1994, 59, 1357-1372. | 1.9 | 112 |
| 287 | Output feedback control under randomly varying distributed delays. Journal of Guidance, Control, and Dynamics, 1994, 17, 701-711. | 2.8 | 133 |
| 288 | Damage-Mitigating Control of Mechanical Systems: Part Il—Formulation of an Optimal Policy and Simulation. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1994, 116, 448-455. | 1.6 | 26 |

| # | Article | IF | CITATIONS |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 289 | Robust Wide-Range Control of Nuclear Reactors by Using the Feedforward-Feedback Concept. Nuclear Science and Engineering, 1994, 117, 177-185. | 1.1 | 10 |
| 290 | Extended discrete-time LTR synthesis of delayed control systems. Automatica, 1993, 29, 431-438. | 5.0 | 6 |
| 291 | Modelling and analysis of a data communication protocol for integrated control of advanced aircraft. Computer Communications, 1993, 16, 350-365. | 5.1 | 0 |
| 292 | Control of Output Feedback Systems under Randomly Varying Distributed Delays. , 1993, , . | | 1 |
| 293 | Observability under recurrent loss of data. Journal of Guidance, Control, and Dynamics, 1992, 15, 284-287. | 2.8 | 16 |
| 294 | Robust Optimal Control of Nuclear Reactors and Power Plants. Nuclear Technology, 1992, 98, 137-148. | 1.2 | 51 |
| 295 | Extended Linear Quadratic Gaussian Control under Randomly Varying Distributed Delays. , 1992, , . | | 0 |
| 296 | Discreteâ€ŧime loop transfer recovery with multistep delays. Optimal Control Applications and Methods, 1992, 13, 255-263. | 2.1 | 1 |
| 297 | A Stochastic Regulator for Integrated Communication and Control Systems: Part l—Formulation of Control Law. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1991, 113, 604-611. | 1.6 | 100 |
| 298 | A Stochastic Regulator for Integrated Communication and Control Systems: Part Il—Numerical Analysis and Simulation. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1991, 113, 612-619. | 1.6 | 29 |
| 299 | A decision support system for real-time monitoring and control of dynamical processes. International Journal of Intelligent Systems, 1991, 6, 739-758. | 5.7 | 2 |
| 300 | Twin-bus-controller protocol for fibre optic networks. Computer Communications, 1991, 14, 598-607. | 5.1 | 1 |
| 301 | Performance Management of Multiple-Access Communication Networks for Large-Scale Integrated Systems. , 1991, , . | | Ο |
| 302 | A Stochastic Approach to Delay Compensation in Integrated Communication and Control Systems. , 1991, , . | | 0 |
| 303 | Robust Compensation of Distributed Delays in Integrated Communication and Control Systems. , 1991, , | | 0 |
| 304 | Multi-Level Hypotheses Testing for Fault Detection in Continuous Process. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1990, 112, 787-790. | 1.6 | 6 |
| 305 | On Modeling of Integrated Communication and Control Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1990, 112, 790-794. | 1.6 | 5 |
| 306 | An observer-based compensator for distributed delays. Automatica, 1990, 26, 903-908. | 5.0 | 344 |

| # | Article | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 307 | Analysis and simulation of the priority scheme in token bus protocols. Computer Communications, 1990, 13, 157-164. | 5.1 | 0 |
| 308 | Delay Compensation in Integrated Communication and Control Systems: Part II Implementation and Verification. , 1990, , . | | 4 |
| 309 | Delay Compensation in Integrated Communication and Control Systems: Part I Conceptual Development and Analysis. , 1990, , . | | 5 |
| 310 | Sequential Testing for Fault Detection in Multiply-Redundant Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1989, 111, 329-332. | 1.6 | 17 |
| 311 | Multi-Level Hypotheses Testing for Fault Detection in Continuous Processes. , 1989, , . | | 2 |
| 312 | Analysis of the Priority Scheme in Token Bus Protocols. , 1989, , . | | 0 |
| 313 | Perturbation Analysis of a Token Bus Protocol for Network Performance Management. , 1989, , . | | 3 |
| 314 | Service access procedure (SAP) for a transport layer protocol. Telematics and Informatics, 1988, 5, 65-73. | 5.8 | 1 |
| 315 | DISTRIBUTED DATA COMMUNICATION NETWORKS FOR REAL-TIME PROCESS CONTROL. Chemical Engineering Communications, 1988, 65, 139-154. | 2.6 | 36 |
| 316 | Integrated Communication and Control Systems: Part l—Analysis. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1988, 110, 367-373. | 1.6 | 465 |
| 317 | Integrated Communication and Control Systems: Part II—Design Considerations. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1988, 110, 374-381. | 1.6 | 204 |
| 318 | Fault Detection in Multiply-Redundant Measurement Systems via Sequential Testing. , 1988, , . | | 3 |
| 319 | Performance Evaluation of Medium Access Control Protocols for Distributed Digital Avionics. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1987, 109, 370-377. | 1.6 | 51 |
| 320 | An adaptive real-time intelligent seam tracking system. Journal of Manufacturing Systems, 1987, 6, 241-245. | 13.9 | 7 |
| 321 | A Redundancy Management Procedure for Fault Detection and Isolation. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1986, 108, 248-254. | 1.6 | 44 |
| 322 | Implementation of a Fault Detection Procedure. , 1986, , . | | 1 |
| 323 | Selection of Media Access Protocol for Distributed Digital Avionics. , 1986, , . | | 0 |
| 324 | Use of Reactivity Constraints for the Automatic Control of Reactor Power. IEEE Transactions on Nuclear Science, 1985, 32, 1036-1040. | 2.0 | 6 |

| # | Article | IF | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 325 | Digital Control of Power Transients in a Nuclear Reactor. IEEE Transactions on Nuclear Science, 1984, 31, 701-705. | 2.0 | 16 |
| 326 | Computer Control of Power in a Nuclear Reactor. IEEE Transactions on Nuclear Science, 1983, 30, 820-824. | 2.0 | 1 |
| 327 | On-Line Fault Diagnosis in a Nuclear Reactor by Sequential Testing. IEEE Transactions on Nuclear Science, 1983, 30, 1850-1855. | 2.0 | 5 |
| 328 | Analytic Redundancy for On-Line Fault Diagnosis in a Nuclear Reactor. Journal of Energy, 1983, 7, 367-373. | 0.2 | 19 |
| 329 | Nonlinear dynamic model of a solar steam generator. Solar Energy, 1981, 26, 297-306. | 6.1 | 14 |
| 330 | Dynamic modelling of power plant turbines for controller design. Applied Mathematical Modelling, 1980, 4, 109-112. | 4.2 | 39 |
| 331 | Dynamic modelling of once-through subcritical steam generator for solar applications11This work was done while the author was at Carnegie-Mellon University, Pittsburgh, PA, USA. Applied Mathematical Modelling, 1980, 4, 417-423. | 4.2 | 19 |
| 332 | Digital Simulaiion of a Commercial Scale High Temperature Gas-Cooled Reactor (HTGR) Steam Power Plant. IEEE Transactions on Nuclear Science, 1978, 25, 1068-1077. | 2.0 | 3 |
| 333 | Dynamic modeling and simulation of a relief valve. Simulation, 1978, 31, 167-172. | 1.8 | 15 |
| 334 | Embedded Soft Sensing for Anomaly Detection in Mobile Robotic Networks. , 0, , 609-629. | | 0 |
| 335 | Fatigue damage detection and risk assessment via neural network modeling of ultrasonic signals. Fatigue and Fracture of Engineering Materials and Structures, 0, , . | 3.4 | 2 |