

Cheng-Chew Lim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3575290/publications.pdf>

Version: 2024-02-01

226
papers

6,069
citations

125106

35
h-index

97045

71
g-index

229
all docs

229
docs citations

229
times ranked

4219
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Notice of Violation of IEEE Publication Principles: Decentralized event-triggering passive control of networked T-S fuzzy systems. IEEE Transactions on Fuzzy Systems, 2024, , 1-1. | 6.5 | 3 |
| 2 | Robust and Collision-Free Formation Control of Multiagent Systems With Limited Information. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4286-4295. | 7.2 | 13 |
| 3 | Fuzzy-Model-Based Lateral Control for Networked Autonomous Vehicle Systems Under Hybrid Cyber-Attacks. IEEE Transactions on Cybernetics, 2023, 53, 2600-2609. | 6.2 | 44 |
| 4 | Stackelberg Game Approach for Robust Optimization With Fuzzy Variables. IEEE Transactions on Fuzzy Systems, 2022, 30, 258-269. | 6.5 | 1 |
| 5 | Event-Triggered Probability-Driven Adaptive Formation Control for Multiple Elliptical Agents. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 645-654. | 5.9 | 7 |
| 6 | A state-feedback Nash equilibrium for the general Target-Attacker-Defender differential game of degree in arbitrary dimensions. International Journal of Control, 2022, 95, 93-103. | 1.2 | 4 |
| 7 | Robust Formation Control for Nonlinear Heterogeneous Multiagent Systems Based on Adaptive Event-Triggered Strategy. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2788-2800. | 3.4 | 26 |
| 8 | Optimal robust formation control for heterogeneous multi-agent systems based on reinforcement learning. International Journal of Robust and Nonlinear Control, 2022, 32, 2683-2704. | 2.1 | 23 |
| 9 | Robust H_{∞} -Based Control for Uncertain Stochastic Fuzzy Switched Time-Delay Systems via Integral Sliding Mode Strategy. IEEE Transactions on Fuzzy Systems, 2022, 30, 382-396. | 6.5 | 11 |
| 10 | Robust Formation Control for Multiagent Systems Based on Adaptive Observers. IEEE Systems Journal, 2022, 16, 3139-3150. | 2.9 | 11 |
| 11 | Dynamic Hybrid-Triggered-Based Fuzzy Control for Nonlinear Networks Under Multiple Cyberattacks. IEEE Transactions on Fuzzy Systems, 2022, 30, 3940-3951. | 6.5 | 17 |
| 12 | Event-triggered sliding mode scaled consensus control for multi-agent systems. Journal of the Franklin Institute, 2022, 359, 981-998. | 1.9 | 28 |
| 13 | Neural-based formation control of uncertain multi-agent systems with actuator saturation. Nonlinear Dynamics, 2022, 108, 3693-3709. | 2.7 | 5 |
| 14 | Stackelberg-Nash Game Approach for Constrained Robust Optimization With Fuzzy Variables. IEEE Transactions on Fuzzy Systems, 2021, 29, 3519-3531. | 6.5 | 7 |
| 15 | State-feedback optimal strategies for the differential game of cooperative target defence: a geometric approach. International Journal of Control, 2021, 94, 2615-2622. | 1.2 | 6 |
| 16 | Stability Analysis of Complex Network Control System With Dynamical Topology and Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7228-7237. | 5.9 | 7 |
| 17 | A New Approach to Characterize Successive Packet Losses in Stochastic Networked Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 552-560. | 5.9 | 11 |
| 18 | Self-adapting variable step size strategies for active noise control systems with acoustic feedback. Automatica, 2021, 123, 109354. | 3.0 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Finite Distribution Estimation-Based Dynamic Window Approach to Reliable Obstacle Avoidance of Mobile Robot. IEEE Transactions on Industrial Electronics, 2021, 68, 9998-10006. | 5.2 | 35 |
| 20 | Stability Analysis for Stochastic Neutral Switched Systems with Time-Varying Delay. SIAM Journal on Control and Optimization, 2021, 59, 24-49. | 1.1 | 20 |
| 21 | Adaptive neural network consensus control of multi-robot systems with output constraints. , 2021, , . | | 1 |
| 22 | Robust Formation Control for Multi-Agent Systems: A Reference Correction Based Approach. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 2616-2625. | 3.5 | 21 |
| 23 | Event-triggered adaptive leaderless consensus control for nonlinear multi-agent systems with unknown backlash-like hysteresis. International Journal of Robust and Nonlinear Control, 2021, 31, 7409-7424. | 2.1 | 10 |
| 24 | A New Approach of Formation Control for Multi-Agent Systems With Environmental Changes. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 3449-3459. | 3.5 | 8 |
| 25 | Hybrid-triggered interval type-2 fuzzy control for networked systems under attacks. Information Sciences, 2021, 567, 332-347. | 4.0 | 48 |
| 26 | Neural-Based Hierarchical Formation Control of Mixed-Order Multi-Agent Systems. , 2021, , . | | 0 |
| 27 | Clustering Network-Connected Devices Using Affiliation Graphs. , 2021, , . | | 2 |
| 28 | Distributed H_{∞} Estimation in Sensor Networks With Two-Channel Stochastic Attacks. IEEE Transactions on Cybernetics, 2020, 50, 465-475. | 6.2 | 49 |
| 29 | Energy Management of Fuel Cell Hybrid Vehicle Based on Partially Observable Markov Decision Process. IEEE Transactions on Control Systems Technology, 2020, 28, 318-330. | 3.2 | 33 |
| 30 | Robust functional observer for stabilising uncertain fuzzy systems with time-delay. Granular Computing, 2020, 5, 55-69. | 4.4 | 2 |
| 31 | Probability-triggered formation control with adaptive roles. International Journal of Control, 2020, 93, 1989-2000. | 1.2 | 6 |
| 32 | Synchronization Control for Neutral Stochastic Delay Markov Networks via Single Pinning Impulsive Strategy. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5406-5419. | 5.9 | 33 |
| 33 | Robust fault detection of T-S fuzzy systems with time-delay using fuzzy functional observer. Fuzzy Sets and Systems, 2020, 392, 1-23. | 1.6 | 31 |
| 34 | Set-Membership Estimation for Complex Networks Subject to Linear and Nonlinear Bounded Attacks. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 163-173. | 7.2 | 18 |
| 35 | Flocking and topology manipulation based on space partitioning. Robotics and Autonomous Systems, 2020, 124, 103328. | 3.0 | 5 |
| 36 | Stabilization of a Class of Nonlinear Systems With Random Disturbance via Intermittent Stochastic Noise. IEEE Transactions on Automatic Control, 2020, 65, 1318-1324. | 3.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Discrete-time fault tolerant control for semi-Markov jump systems with finite sojourn-time. Journal of the Franklin Institute, 2020, 357, 1-18. | 1.9 | 26 |
| 38 | A new unified input-to-state stability criterion for impulsive stochastic delay systems with Markovian switching. International Journal of Robust and Nonlinear Control, 2020, 30, 159-181. | 2.1 | 11 |
| 39 | Power scheduling optimization under single-valued neutrosophic uncertainty. Neurocomputing, 2020, 382, 12-20. | 3.5 | 13 |
| 40 | Asymptotic Consensus of Dynamical Points in a Strict Max-Convex Space and Its Applications. SIAM Journal on Control and Optimization, 2020, 58, 1984-2005. | 1.1 | 1 |
| 41 | Characterising Network-Connected Devices Using Affiliation Graphs. , 2020, , . | | 3 |
| 42 | Stochastic synchronization of complex networks via aperiodically intermittent noise. Journal of the Franklin Institute, 2020, 357, 13872-13888. | 1.9 | 12 |
| 43 | Robust fuzzy model predictive control for energy management systems in fuel cell vehicles. Control Engineering Practice, 2020, 98, 104364. | 3.2 | 55 |
| 44 | Neural network adaptive dynamic sliding mode formation control of multi-agent systems. International Journal of Systems Science, 2020, 51, 2025-2040. | 3.7 | 30 |
| 45 | Collision-Free Formation Control for Multi-Agent Systems With Dynamic Mapping. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1984-1988. | 2.2 | 18 |
| 46 | Memory Output-Feedback Integral Sliding Mode Control for Furuta Pendulum Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 2042-2052. | 3.5 | 16 |
| 47 | Fuzzy Model Based Control for Energy Management and Optimization in Fuel Cell Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 14674-14688. | 3.9 | 33 |
| 48 | Uncertainty-Observer-Based Dynamic Sliding Mode Formation Control for Multi-Agent Systems. , 2020, , . | | 1 |
| 49 | Dynamic Multi-Target Assignment with Decentralised Online Learning to Achieve Multiple Synchronised Goals. , 2020, , . | | 0 |
| 50 | Event-triggered estimation and model predictive control for linear systems with actuator fault. IET Control Theory and Applications, 2020, 14, 2406-2412. | 1.2 | 7 |
| 51 | Robust control synthesis for discrete-time uncertain semi-Markov jump systems. International Journal of Systems Science, 2019, 50, 2042-2052. | 3.7 | 10 |
| 52 | Adaptive Regret Minimization for Learning Complex Team-Based Tactics. IEEE Access, 2019, 7, 103019-103030. | 2.6 | 2 |
| 53 | Attack and estimator design for multi-sensor systems with undetectable adversary. Automatica, 2019, 109, 108545. | 3.0 | 21 |
| 54 | Formation control and collision avoidance for a class of multi-agent systems. Journal of the Franklin Institute, 2019, 356, 5395-5420. | 1.9 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Robust Active Noise Control Design by Optimal Weighted Least Squares Approach. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 3955-3967. | 3.5 | 24 |
| 56 | Cluster Synchronization for Neutral Stochastic Delay Networks via Intermittent Adaptive Control. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3246-3259. | 7.2 | 57 |
| 57 | Predictive Modeling and Control of Energy Demand for Hybrid Electric Vehicle Systems. , 2019, , . | | 0 |
| 58 | Deep Learning for Bipartite Assignment Problems*. , 2019, , . | | 3 |
| 59 | Boundary control of linear stochastic reaction-diffusion systems. International Journal of Robust and Nonlinear Control, 2019, 29, 268-282. | 2.1 | 23 |
| 60 | Variable Threshold-Based Selective Updating Algorithms in Feed-Forward Active Noise Control Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 782-795. | 3.5 | 17 |
| 61 | Sliding mode control of singularly perturbed systems and its application in quad-rotors. International Journal of Control, 2019, 92, 1325-1334. | 1.2 | 11 |
| 62 | Robust fault estimation observer in the finite frequency domain for descriptor systems. International Journal of Control, 2019, 92, 1590-1599. | 1.2 | 25 |
| 63 | Design and Stability of Moving Horizon Estimator for Markov Jump Linear Systems. IEEE Transactions on Automatic Control, 2019, 64, 1109-1124. | 3.6 | 21 |
| 64 | Formation control for multi-robot systems with collision avoidance. International Journal of Control, 2019, 92, 2223-2234. | 1.2 | 20 |
| 65 | Reliable Tracking Control for Under-Actuated Quadrotors With Wind Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2059-2070. | 5.9 | 41 |
| 66 | Adaptive Neural Dynamic Surface Control for Nonstrict-Feedback Systems With Output Dead Zone. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5200-5213. | 7.2 | 74 |
| 67 | Finite-time boundary control for delay reaction-diffusion systems. Applied Mathematics and Computation, 2018, 329, 52-63. | 1.4 | 24 |
| 68 | Functional observer-based fuzzy controller design for continuous nonlinear systems. International Journal of Systems Science, 2018, 49, 1047-1060. | 3.7 | 11 |
| 69 | New criteria for stochastic suppression and stabilization of hybrid functional differential systems. International Journal of Robust and Nonlinear Control, 2018, 28, 3946-3958. | 2.1 | 19 |
| 70 | Robust approximation-based adaptive control of multiple state delayed nonlinear systems with unmodeled dynamics. International Journal of Robust and Nonlinear Control, 2018, 28, 3303-3323. | 2.1 | 10 |
| 71 | Functional observer based controller for stabilizing Takagi-Sugeno fuzzy systems with time-delays. Journal of the Franklin Institute, 2018, 355, 3619-3640. | 1.9 | 21 |
| 72 | Robust mixed H_2 / H_∞ model predictive control for Markov jump systems with partially uncertain transition probabilities. Journal of the Franklin Institute, 2018, 355, 3423-3437. | 1.9 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Fault Detection Filtering for Nonhomogeneous Markovian Jump Systems via a Fuzzy Approach. IEEE Transactions on Fuzzy Systems, 2018, 26, 131-141. | 6.5 | 212 |
| 74 | Finite-time boundary stabilization of reaction-diffusion systems. International Journal of Robust and Nonlinear Control, 2018, 28, 1641-1652. | 2.1 | 38 |
| 75 | A dynamic state transition algorithm with application to sensor network localization. Neurocomputing, 2018, 273, 237-250. | 3.5 | 46 |
| 76 | H-Infinity Control in Coherent Wind Measurement Lidar Signal Processing. Circuits, Systems, and Signal Processing, 2018, 37, 2824-2836. | 1.2 | 1 |
| 77 | A consensus algorithm in CAT(0) space and its application to distributed fusion of phylogenetic trees. Journal of Mathematical Analysis and Applications, 2018, 459, 1149-1159. | 0.5 | 1 |
| 78 | Enabling Energy Efficient Data Ferrying. , 2018, , . | | 0 |
| 79 | Optimally distributed formation control with obstacle avoidance for mixed-order multi-agent systems under switching topologies. IET Control Theory and Applications, 2018, 12, 1853-1863. | 1.2 | 30 |
| 80 | Synchronization control for reaction-diffusion FitzHugh-Nagumo systems with spatial sampled-data. Automatica, 2018, 93, 352-362. | 3.0 | 24 |
| 81 | Synchronization of stochastic reaction-diffusion systems via boundary control. Nonlinear Dynamics, 2018, 94, 1763-1773. | 2.7 | 18 |
| 82 | Online Versus Offline Reinforcement Learning for False Target Control Against Known Threat. Lecture Notes in Computer Science, 2018, , 400-412. | 1.0 | 4 |
| 83 | Pinning impulsive synchronization for stochastic reaction-diffusion dynamical networks with delay. Neural Networks, 2018, 106, 281-293. | 3.3 | 29 |
| 84 | Interval observer design for uncertain discrete-time linear systems. Systems and Control Letters, 2018, 116, 41-46. | 1.3 | 137 |
| 85 | Exponential Synchronization for Markovian Stochastic Coupled Neural Networks of Neutral-Type via Adaptive Feedback Control. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1618-1632. | 7.2 | 115 |
| 86 | Sampled-data fuzzy control for a class of nonlinear systems with missing data and disturbances. Fuzzy Sets and Systems, 2017, 306, 63-86. | 1.6 | 35 |
| 87 | Scalable formation control in stealth with limited sensing range. International Journal of Robust and Nonlinear Control, 2017, 27, 410-433. | 2.1 | 17 |
| 88 | Robust input-to-state stability of neural networks with Markovian switching in presence of random disturbances or time delays. Neurocomputing, 2017, 249, 245-252. | 3.5 | 14 |
| 89 | Steady formation analysis on multi-robot systems. Journal of Control and Decision, 2017, 4, 12-31. | 0.7 | 5 |
| 90 | Chaotification of a class of linear switching systems based on a Shilnikov criterion. Journal of the Franklin Institute, 2017, 354, 5519-5536. | 1.9 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Folded Substrate-Integrated Waveguide Band-Pass Post Filter. IEEE Microwave and Wireless Components Letters, 2017, 27, 22-24. | 2.0 | 16 |
| 92 | Adaptively Adjusted Event-Triggering Mechanism on Fault Detection for Networked Control Systems. IEEE Transactions on Cybernetics, 2017, 47, 2299-2311. | 6.2 | 148 |
| 93 | Reliable H_∞ static output control of linear time-varying delay systems against sensor failures. International Journal of Robust and Nonlinear Control, 2017, 27, 3109-3123. | 2.1 | 21 |
| 94 | H_∞ fault detection observer in finite frequency domain for linear parameter-varying descriptor systems. Automatica, 2017, 86, 38-45. | 1.7 | 17 |
| 95 | Stability analysis for neutral stochastic delay systems with Markovian switching. Systems and Control Letters, 2017, 110, 38-48. | 1.3 | 46 |
| 96 | New approaches to observer design and stability analysis for Tâ€S fuzzy system with multiplicative noise. Journal of the Franklin Institute, 2017, 354, 887-901. | 1.9 | 23 |
| 97 | Observer-based tracking control for MIMO pure-feedback nonlinear systems with time-delay and input quantisation. International Journal of Control, 2017, 90, 2433-2448. | 1.2 | 20 |
| 98 | Backstepping Fuzzy Adaptive Control for a Class of Quantized Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2017, 25, 1090-1101. | 6.5 | 78 |
| 99 | Adaptive control of a class of quantised nonlinearly parameterised systems with unknown control directions. International Journal of Systems Science, 2017, 48, 941-951. | 3.7 | 7 |
| 100 | Curve arclength in fuzzy metric spaces. Fuzzy Sets and Systems, 2017, 313, 105-113. | 1.6 | 2 |
| 101 | Stability of neutral stochastic switched time delay systems: An average dwell time approach. International Journal of Robust and Nonlinear Control, 2017, 27, 512-532. | 2.1 | 51 |
| 102 | Constrained state estimation for stochastic jump systems: moving horizon approach. International Journal of Systems Science, 2017, 48, 1009-1021. | 3.7 | 3 |
| 103 | H_∞ fault detection observer design for linear parameter-varying systems * *This work was partially supported by National Natural Science Foundation of China (61403104, 61273162, U1509217), the Australian Research Council (DP170102644), and the Fundamental Research Funds for the Central Universities (HIT.KJ05.2015.076)., IFAC-PapersOnline, 2017, 50, 15271-15276. | 0.5 | 19 |
| 104 | Collision-free path control in contest environment using circular geometric attributes. , 2017, , . | | 0 |
| 105 | Time-weighted MR for switched LPV systems via balanced realisation. IET Control Theory and Applications, 2017, 11, 3069-3078. | 1.2 | 11 |
| 106 | Triple I fuzzy modus tollens method with inconsistent bipolarity information. Journal of Intelligent and Fuzzy Systems, 2017, 32, 4299-4309. | 0.8 | 3 |
| 107 | Histogram-PMHT for fluctuating target models. IET Radar, Sonar and Navigation, 2017, 11, 1292-1301. | 0.9 | 11 |
| 108 | Neural Network-Based Passive Filtering for Delayed Neutral-Type Semi-Markovian Jump Systems. IEEE Transactions on Neural Networks and Learning Systems, 2016, 28, 1-14. | 7.2 | 159 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Existence of fuzzy functional observer of Takagi-Sugeno fuzzy model. , 2016, , . | | 1 |
| 110 | Event-triggered fault detection for discrete-time networked control systems. , 2016, , . | | 1 |
| 111 | Moving horizon estimation for Markov jump systems. Information Sciences, 2016, 367-368, 143-158. | 4.0 | 20 |
| 112 | A descriptor-system approach for finite-frequency H^∞ control of singularly perturbed systems. Information Sciences, 2016, 370-371, 79-91. | 4.0 | 9 |
| 113 | Formation control of arbitrary shape with no communication. , 2016, , . | | 2 |
| 114 | Time delay compensation for positive nonlinear networked control systems with bounded controls. , 2016, , . | | 1 |
| 115 | Folded Y-junction in substrate-integrated waveguide technology. , 2016, , . | | 0 |
| 116 | Substrate-integrated waveguide diplexers with improved Y-junctions. Microwave and Optical Technology Letters, 2016, 58, 1384-1388. | 0.9 | 5 |
| 117 | Integrated Structural Parameter and Robust Controller Design for Attitude Tracking Maneuvers. IEEE/ASME Transactions on Mechatronics, 2016, 21, 2490-2498. | 3.7 | 22 |
| 118 | Adaptive Neural Fault-Tolerant Control of a 3-DOF Model Helicopter System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 260-270. | 5.9 | 324 |
| 119 | Event-Triggered Fault Detection Filter Design for a Continuous-Time Networked Control System. IEEE Transactions on Cybernetics, 2016, 46, 3414-3426. | 6.2 | 216 |
| 120 | Robot formation control in stealth mode with scalable team size. International Journal of Control, 2016, 89, 2155-2168. | 1.2 | 17 |
| 121 | Maximum likelihood state estimation for Markov jump systems with uncertain mode-dependent delays. Journal of the Franklin Institute, 2016, 353, 594-614. | 1.9 | 3 |
| 122 | Network-Based Event-Triggered Control for Singular Systems With Quantizations. IEEE Transactions on Industrial Electronics, 2016, 63, 1230-1238. | 5.2 | 344 |
| 123 | Exponential Stability for Neutral Stochastic Markov Systems With Time-Varying Delay and Its Applications. IEEE Transactions on Cybernetics, 2016, 46, 1350-1362. | 6.2 | 72 |
| 124 | Mode matching analysis of dimension for single-mode operation of shielded microstrip lines. , 2015, , . | | 0 |
| 125 | Matching Based Formation Control and Analysis of Large-Scale Multi-agent Systems. , 2015, , . | | 0 |
| 126 | Losses in substrate integrated waveguide band-pass post filters. , 2015, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Event based guaranteed cost consensus for distributed multi-agent systems. Journal of the Franklin Institute, 2015, 352, 3546-3563. | 1.9 | 67 |
| 128 | Histogram probabilistic multi-hypothesis tracker with colour attributes. IET Radar, Sonar and Navigation, 2015, 9, 999-1008. | 0.9 | 10 |
| 129 | Delay-Dependent Exponential Stability for Neutral Stochastic Markov Neural Networks with Time-Varying Delay. , 2015, , . | | 0 |
| 130 | Histogram-PMHT with an evolving Poisson prior. , 2015, , . | | 6 |
| 131 | The retailer's optimal decision on order quantity and credit periods under two-level trade credit policy. Journal of Global Optimization, 2015, 62, 833-852. | 1.1 | 1 |
| 132 | Relief supplies allocation and optimization by interval and fuzzy number approaches. Information Sciences, 2015, 303, 15-32. | 4.0 | 32 |
| 133 | Quantized Control Design for Cognitive Radio Networks Modeled as Nonlinear Semi-Markovian Jump Systems. IEEE Transactions on Industrial Electronics, 2015, 62, 2330-2340. | 5.2 | 206 |
| 134 | Robust Filtering for Nonlinear Nonhomogeneous Markov Jump Systems by Fuzzy Approximation Approach. IEEE Transactions on Cybernetics, 2015, 45, 1706-1716. | 6.2 | 94 |
| 135 | Mixed output feedback of the finite frequency H_∞ control for singularly perturbed system. International Journal of Systems Science, 2015, 46, 2351-2366. | 3.7 | 6 |
| 136 | Robust Constrained Control for MIMO Nonlinear Systems Based on Disturbance Observer. IEEE Transactions on Automatic Control, 2015, 60, 3281-3286. | 3.6 | 218 |
| 137 | Over-the-horizon aircraft detection using skywave AM-radio broadcast signals. , 2015, , . | | 2 |
| 138 | State estimation and sliding mode control for semi-Markovian jump systems with mismatched uncertainties. Automatica, 2015, 51, 385-393. | 3.0 | 411 |
| 139 | Event-triggered control for networked Markovian jump systems. International Journal of Robust and Nonlinear Control, 2015, 25, 3422-3438. | 2.1 | 126 |
| 140 | Optimal acquisition, inventory and production decisions for a closed-loop manufacturing system with legislation constraint. Journal of Industrial and Management Optimization, 2015, 11, 1355-1373. | 0.8 | 3 |
| 141 | Adaptive neural observer-based backstepping fault tolerant control for near space vehicle under control effector damage. IET Control Theory and Applications, 2014, 8, 658-666. | 1.2 | 70 |
| 142 | H_∞ fault-tolerant control of networked control systems with actuator failures. IET Control Theory and Applications, 2014, 8, 1127-1136. | 1.2 | 19 |
| 143 | Tracking Mobile Robot in Indoor Wireless Sensor Networks. Mathematical Problems in Engineering, 2014, 2014, 1-8. | 0.6 | 10 |
| 144 | Approximation Methods for Cylindrical Posts in Rectangular Waveguides with Mode Matching Technique. , 2014, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Clutter mapping for Histogram PMHT. , 2014, , . | | 4 |
| 146 | Novel Neural Control for a Class of Uncertain Pure-Feedback Systems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 718-727. | 7.2 | 75 |
| 147 | Optimal production and procurement decisions in a supply chain with an option contract and partial backordering under uncertainties. Applied Mathematics and Computation, 2014, 232, 1225-1234. | 1.4 | 38 |
| 148 | Robust control for nonhomogeneous Markov jump processes: An application to DC motor device. Journal of the Franklin Institute, 2014, 351, 3322-3338. | 1.9 | 27 |
| 149 | Novel Neural Networks-Based Fault Tolerant Control Scheme With Fault Alarm. IEEE Transactions on Cybernetics, 2014, 44, 2190-2201. | 6.2 | 138 |
| 150 | Optimizing system-on-chip verifications with multi-objective genetic evolutionary algorithms. Journal of Industrial and Management Optimization, 2014, 10, 383-396. | 0.8 | 3 |
| 151 | Coordination of supply chains with a flexible ordering policy under yield and demand uncertainty. International Journal of Production Economics, 2013, 146, 686-693. | 5.1 | 74 |
| 152 | Observer-Based Sliding Mode Control for Stabilization of a Dynamic System with Delayed Output Feedback. Mathematical Problems in Engineering, 2013, 2013, 1-6. | 0.6 | 4 |
| 153 | Coordination in a Single-Retailer Two-Supplier Supply Chain under Random Demand and Random Supply with Disruption. Discrete Dynamics in Nature and Society, 2013, 2013, 1-12. | 0.5 | 15 |
| 154 | H-PMHT with a Poisson measurement model. , 2013, , . | | 5 |
| 155 | Gathering Correlated Data in Wireless Sensor Networks Using a Heuristic Algorithm. , 2012, , . | | 0 |
| 156 | Consensus-based distributed detection with mitigating outliers for wireless sensor networks. , 2011, , . | | 0 |
| 157 | An optimal PID controller design for nonlinear constrained optimal control problems. Discrete and Continuous Dynamical Systems - Series B, 2011, 16, 1101-1117. | 0.5 | 21 |
| 158 | Markov modelling and parameterisation of genetic evolutionary test generations. Journal of Global Optimization, 2011, 51, 743-751. | 1.1 | 11 |
| 159 | A refined MAC protocol with multipacket reception for wireless networks. Wireless Communications and Mobile Computing, 2011, 11, 1275-1286. | 0.8 | 1 |
| 160 | Joint backoff control in time and frequency for multichannel wireless systems and its Markov model for analysis. Discrete and Continuous Dynamical Systems - Series B, 2011, 16, 1083-1099. | 0.5 | 1 |
| 161 | A novel implementation of radix-4 floating-point division/square-root using comparison multiples. Computers and Electrical Engineering, 2010, 36, 850-863. | 3.0 | 5 |
| 162 | Modeling Interrupts for Software-Based System-on-Chip Verification. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2010, 29, 993-997. | 1.9 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | An Event-Assisted Sequencer to Accelerate Matrix Algorithms. , 2010, , . | | 2 |
| 164 | Multichannel outage-aware MAC protocols for wireless networks. , 2009, , . | | 0 |
| 165 | Weight-based clustering routing protocol for wireless sensor networks. , 2009, , . | | 1 |
| 166 | Position-based, Energy-efficient, centralised clustering protocol for wireless sensor networks. , 2009, , . | | 5 |
| 167 | On regularisation parameter transformation of support vector machines. Journal of Industrial and Management Optimization, 2009, 5, 403-415. | 0.8 | 6 |
| 168 | An Analytical Approach for Design of Nth-band FIR Digital Filters with Equi-Ripple Passband. Journal of Electrical Engineering and Technology, 2009, 4, 423-428. | 1.2 | 5 |
| 169 | A Cholesky Factorization Based Approach for Blind FIR Channel Identification. IEEE Transactions on Signal Processing, 2008, 56, 1730-1735. | 3.2 | 27 |
| 170 | Using Transfer-Resource Graph for Software-Based Verification of System-on-Chip. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2008, 27, 1315-1328. | 1.9 | 12 |
| 171 | Using Genetic Evolutionary Software Application Testing to Verify a DSP SoC. , 2008, , . | | 1 |
| 172 | Positioning test-benches and test-programs in interaction-oriented system-on-chip verification. , 2008, , . | | 2 |
| 173 | Cluster-based multi-channel scheduling algorithms for ad hoc networks. , 2007, , . | | 3 |
| 174 | Multuser Downlink Beamforming with Limited Feedback. , 2007, , . | | 1 |
| 175 | Coverage measurement for software application testing using partially ordered domains and symbolic trajectory evaluation techniques. , 2006, , . | | 0 |
| 176 | Fast Decimal Floating-Point Division. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2006, 14, 951-961. | 2.1 | 42 |
| 177 | A data management layer for parallel matrix computation. , 2006, 6414, 263. | | 0 |
| 178 | Fourth-Order Discrete-Time Variable Centre Frequency Bandpass Sigma-Delta Modulator. , 2006, , . | | 8 |
| 179 | Exploiting Concurrency in System-on-Chip Verification. , 2006, , . | | 2 |
| 180 | Modelling Heterogeneous Interactions in SoC Verification. , 2006, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | A Cooperative Game Theoretic Framework for Resource Allocation in OFDMA Systems. , 2006, , . | | 26 |
| 182 | An Implementation of Training Dual-nu Support Vector Machines. , 2005, , 157-182. | | 8 |
| 183 | Reduced wire length and routing complexity for LDPC decoders. , 2005, , . | | 0 |
| 184 | A decimal carry-free adder. , 2005, , . | | 15 |
| 185 | Chip level decision feedback equaliser for CDMA downlink with space-time coding. Electronics Letters, 2004, 40, 437. | 0.5 | 2 |
| 186 | Perturbation to enhance support vector machines for classification. Journal of Computational and Applied Mathematics, 2004, 163, 233-239. | 1.1 | 1 |
| 187 | Receivers With Chip-Level Decision Feedback Equalizer for CDMA Downlink Channels. IEEE Transactions on Wireless Communications, 2004, 3, 300-314. | 6.1 | 17 |
| 188 | Segmentation of the Face and Hands in Sign Language Video Sequences Using Color and Motion Cues. IEEE Transactions on Circuits and Systems for Video Technology, 2004, 14, 1086-1097. | 5.6 | 76 |
| 189 | Quasi-3D modeling, design, and analysis of symmetric on-chip inductors in silicon-on-sapphire technology. , 2004, , . | | 0 |
| 190 | Automatic human skin segmentation based on color information in the YCbCr color space. , 2002, , . | | 3 |
| 191 | Hand and face segmentation using motion and color cues in digital image sequences. , 2001, , . | | 17 |
| 192 | Support vector learning with quadratic programming and adaptive step size barrier-projection. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 5623-5633. | 0.6 | 2 |
| 193 | A VLSI chip implementation of an A/D converter error table compensator. Computer Standards and Interfaces, 2001, 23, 111-122. | 3.8 | 1 |
| 194 | True Proportional Navigation System with Acceleration Saturation Constraint. Applied Optimization, 2001, , 65-80. | 0.4 | 0 |
| 195 | <title>10-GOPS transversal filter and error table compensator</title>. , 1999, , . | | 0 |
| 196 | Observability-enhanced proportional navigation guidance with bearings-only measurements. Journal of the Australian Mathematical Society Series B Applied Mathematics, 1999, 40, 497-512. | 0.3 | 2 |
| 197 | A neural network based anti-skid brake system. Discrete and Continuous Dynamical Systems, 1999, 5, 321-338. | 0.5 | 3 |
| 198 | Design and implementation of a GaAs systolic floating-point processing element. IEE Proceedings: Computers and Digital Techniques, 1996, 143, 325. | 1.6 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | <title>Transmitting time-dependent multimedia data in FDDI networks</title>. , 1993, , . | | 10 |
| 200 | OPTIMAL INSULIN INFUSION CONTROL VIA A MATHEMATICAL BLOOD GLUCOREGULATORY MODEL WITH FUZZY PARAMETERS. Cybernetics and Systems, 1991, 22, 1-16. | 1.6 | 15 |
| 201 | Performance analysis of dynamic multitasking imprecise computation system. IEE Proceedings E: Computers and Digital Techniques, 1991, 138, 345. | 0.1 | 3 |
| 202 | A stochastic optimal control approach to a mathematical drug administration model. Mathematical and Computer Modelling, 1989, 12, 1009-1015. | 2.0 | 3 |
| 203 | Mean-square stability of stochastic differential time-lag systems. International Journal of Systems Science, 1989, 20, 859-863. | 3.7 | 1 |
| 204 | A Computational Method for a Class of Dynamical Optimization Problems in which the Terminal Time is Conditionally Free. IMA Journal of Mathematical Control and Information, 1989, 6, 81-95. | 1.1 | 20 |
| 205 | Time optimal control computation with application to ship steering. Journal of Optimization Theory and Applications, 1988, 56, 145-156. | 0.8 | 22 |
| 206 | General pole restriction controller design. International Journal of Systems Science, 1988, 19, 1335-1344. | 3.7 | 3 |
| 207 | Autopilot for ship control. Part 2: Simulation studies. IEE Proceedings D: Control Theory and Applications, 1983, 130, 288. | 0.4 | 2 |
| 208 | Autopilot for ship control. Part 1: Theoretical design. IEE Proceedings D: Control Theory and Applications, 1983, 130, 281. | 0.4 | 22 |
| 209 | A parallel architecture for estimating 4th-order cumulants. , 0, , . | | 0 |
| 210 | Performance of token ring protocols for real-time message transmission. , 0, , . | | 0 |
| 211 | Adaptive controller for marginally stable nonlinear systems using neural networks. , 0, , . | | 0 |
| 212 | Investigation of stability and convergence issues for an enhanced model reference neural adaptive control scheme. , 0, , . | | 0 |
| 213 | Neural circuit for object recognition in complex and cluttered visual images. , 0, , . | | 4 |
| 214 | Design of a 2-D neural motion detection filter. , 0, , . | | 2 |
| 215 | Reduced latency IEEE floating-point standard adder architectures. , 0, , . | | 36 |
| 216 | Neural model of visual selective attention for automatic translation invariant object recognition in cluttered images. , 0, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|----|-----------|
| 217 | Elementary motion detection with selective attention. , 0, , . | | 0 |
| 218 | A method for determining whether asynchronous circuits are self-checking. , 0, , . | | 0 |
| 219 | Dual $\hat{1}/2$ -support vector machine with error rate and training size biasing. , 0, , . | | 32 |
| 220 | A chip level decision feedback equalizer for cdma downlink channel with the alamouti transmit diversity scheme. , 0, , . | | 0 |
| 221 | Adaptive power allocation with user prioritization fr downlink orthogonal frequency division multiple access systems. , 0, , . | | 7 |
| 222 | Coverage Measurement for Software Application Level Verification using Symbolic Trajectory Evaluation Techniques. , 0, , . | | 3 |
| 223 | Sub-optimal power allocation for downlink OFDMA systems. , 0, , . | | 5 |
| 224 | A software test program generator for verifying system-on-chips. , 0, , . | | 16 |
| 225 | Channel Prediction Using Lumpable Finite-State Markov Channels in OFDMA Systems. , 0, , . | | 6 |
| 226 | Energy Efficiency and Reliability Considerations of a Compressive Sensing Technique in Wireless Visual Sensor Networks. , 0, , 21-39. | | 0 |