# Jungâ€“Min Yang

List of Publications by Year
in descending order



| 83 | 515 | 759190 12 | 794568 19 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 83 | 83 | 83 | 226 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Resilient Corrective Control of Asynchronous Sequential Machines Against Intermittent Loss of Actuator Outputs. IEEE Transactions on Cybernetics, 2023, 53, 6109-6121. | 9.5 | 1 |
| 2 | Derivation and structural analysis of a three-input interval type-2 TS fuzzy PID controller. Soft Computing, 2022, 26, 589-603. | 3.6 | 6 |
| 3 | A Survey on Dynamic Corrective Control of Asynchronous Sequential Machines. Applied Sciences (Switzerland), 2022, 12, 2562. | 2.5 | 0 |
| 4 | Design and implementation of robust corrective control systems with permanent sensor faults. Information Sciences, 2022, , . | 6.9 | 0 |
| 5 | Robust corrective control against a class of actuator attacks in input/state asynchronous sequential machines. Journal of the Franklin Institute, 2021, 358, 1403-1421. | 3.4 | 4 |
| 6 | Model matching inclusion for input/state asynchronous sequential machines with constraint on the length of control input sequences. Journal of the Franklin Institute, 2021, 358, 1273-1290. | 3.4 | 0 |
| 7 | Delayed Model Matching of Asynchronous Sequential Machines With Discrepancy in the Initial State. International Journal of Control, Automation and Systems, 2021, 19, 1578-1587. | 2.7 | 1 |
| 8 | Stabilizing Control of Complex Biological Networks Based on Attractor-Specific Network Reduction. IEEE Transactions on Control of Network Systems, 2021, 8, 928-939. | 3.7 | 6 |
| 9 | State feedback corrective control with a self-repair scheme against transient faults. Journal of the Franklin Institute, 2021, 358, 8485-8505. | 3.4 | 3 |
| 10 | State-Burst Feedback Control for Fault Recovery of Input/State Asynchronous Sequential Machines. Applied Sciences (Switzerland), 2021, 11, 9790. | 2.5 | 0 |
| 11 | How selfish individuals achieve unselfish goals: majority-based progressive control of discrete event systems. International Journal of Control, 2020, 93, 2168-2176. | 1.9 | 0 |
| 12 | Fault tolerant control of asynchronous sequential machines with transient faults in non-fundamental mode. Automatica, 2020, 112, 108663. | 5.0 | 3 |
| 13 | Coordinated static control of asynchronous sequential machines. Automatica, 2020, 113, 108795. | 5.0 | 1 |
| 14 | Model matching of input/state asynchronous sequential machines with actuator saturation and bounded delays. Automatica, 2020, 120, 109134. | 5.0 | 4 |
| 15 | Static corrective control with model matching indicator and its application to payload data managers. IET Control Theory and Applications, 2020, 14, 1445-1451. | 2.1 | 0 |
| 16 | Efficient static corrective control for model matching and fault tolerance of asynchronous sequential machines. Journal of the Franklin Institute, 2020, 357, 3975-3992. | 3.4 | 3 |
| 17 | Coordinated corrective control for model matching of asynchronous sequential machines. International Journal of Systems Science, 2020, 51, 2899-2908. | 5.5 | 0 |
| 18 | A Simplified Structure of the Simplest Interval Type-2 Fuzzy Two-Term Controller. IFAC-PapersOnLine, 2020, 53, 661-666. | 0.9 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Masked observation for majorityâ€based control of a democratic progress model in the framework of discrete event systems. Asian Journal of Control, 2020, 23, 2393. | 3.0 | 0 |
| 20 | On Model Matching Control of Input/State Asynchronous Sequential Machines With Constraint on the Initial State*. , 2020, , . | | 0 |
| 21 | Refinements of behavioural abstractions for the supervisory control of hybrid systems. Discrete Event Dynamic Systems: Theory and Applications, 2020, 30, 533-560. | 1.5 | 4 |
| 22 | Developing a democratic progress model based on discrete event systems. International Journal of Control, 2020, , 1-12. | 1.9 | 2 |
| 23 | Robust corrective control of asynchronous sequential machines with control input and feedback faults. Automatica, 2019, 107, 605-609. | 5.0 | 2 |
| 24 | Corrective control of parallel interconnected asynchronous sequential machines with output feedback. IET Control Theory and Applications, 2019, 13, 693-701. | 2.1 | 4 |
| 25 | On Designing Dual Corrective Controllers for a Single Input/State Asynchronous Sequential Machine*. , 2019, , . | | 0 |
| 26 | Model matching and faultâ€tolerant control of switched asynchronous sequential machines with transient faults. IET Control Theory and Applications, 2019, 13, 1882-1890. | 2.1 | 8 |
| 27 | Two- and Three-Input Fuzzy PID Controller Structure of Takagi-Sugeno Type. , 2019, , . | | 0 |
| 28 | A Supervisory Control Theoretic Approach to the Analysis of Democratic Progress. International Journal of Control, Automation and Systems, 2018, 16, 452-460. | 2.7 | 3 |
| 29 | Robust Controllability of Switched Asynchronous Sequential Machines. IEEE Transactions on Automatic Control, 2018, 63, 2139-2144. | 5.7 | 6 |
| 30 | Fault recovery for cascaded asynchronous sequential machines. IET Control Theory and Applications, 2018, 12, 60-67. | 2.1 | 4 |
| 31 | Local Refinement of l-complete Approximations for Supervisory Control of Hybrid Systems. IFAC-PapersOnLine, 2018, 51, 472-479. | 0.9 | 2 |
| 32 | Global Stabilization of Boolean Networks to Control the Heterogeneity of Cellular Responses. Frontiers in Physiology, 2018, 9, 774. | 2.8 | 8 |
| 33 | Exact fault recovery for asynchronous sequential machines with output bursts. Automatica, 2018, 97, 115-120. | 5.0 | 3 |
| 34 | Fault tolerant control for a class of interconnected asynchronous sequential machines. Automatica, 2018, 98, 28-33. | 5.0 | 3 |
| 35 | Fault-Tolerant Corrective Control With Bounded Delays. IEEE Transactions on Automatic Control, 2017, 62, 1992-1998. | 5.7 | 3 |
| 36 | Static feedback control of switched asynchronous sequential machines. Systems and Control Letters, 2017, 99, 40-46. | 2.3 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Reply to â€œComments on â€˜Supervisory control for real-time scheduling of periodic and sporadic tasks with resource constraintsâ€â€™ [Automatica 45 (2009) 2597â€“2604]. Automatica, 2017, 82, 335. | 5.0 | 0 |
| 38 | Fault tolerance in switched ASMs with intermittent faults. IET Control Theory and Applications, 2017, 11, 1443-1449. | 2.1 | 8 |
| 39 | Control of a Class of Large-Scale Boolean Networks for Biological Systems Using Constant Inputs *<br>*This research was supported in part by the National Research Foundation of Korea (NRF) grants funded by the Korea Government, the Ministry of Science, ICT & Future Planning (No.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5<br><br>Program through the National Research Foundation of Korea (NRF) funded by the Ministry of Science, | | |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Controlling two asynchronous sequential machines with one corrective controller. , 2013, , . | | 0 |
| 56 | A scheme of supplementary production in linear programming scheduling of die casting processes. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 855-865. | 2.4 | 4 |
| 57 | Scheduling of die casting operations including high-mix low-volume and line-type production. International Journal of Production Research, 2013, 51, 1728-1744. | 7.5 | 3 |
| 58 | Model matching control for composite asynchronous sequential machines. , 2013, , . | | 1 |
| 59 | Asynchronous correction for cascade composition of finite state machines. , 2012, , . | | 0 |
| 60 | Applying input/output control of asynchronous sequential machines to dual ring counters. , 2012, , . | | 1 |
| 61 | Adaptive Control of Asynchronous Sequential Machines with State Feedback. European Journal of Control, 2012, 18, 503-527. | 2.6 | 11 |
| 62 | Fault Tolerance in Asynchronous Sequential Machines Using Output Feedback Control. IEEE Transactions on Automatic Control, 2012, 57, 1604-1609. | 5.7 | 10 |
| 63 | Optimal Checkpoint Placement on Real-Time Tasks with Harmonic Periods. Journal of Computer Science and Technology, 2012, 27, 105-112. | 1.5 | 17 |
| 64 | Checkpoint Management with Double Modular Redundancy Based on the Probability of Task Completion. Journal of Computer Science and Technology, 2012, 27, 273-280. | 1.5 | 3 |
| 65 | Maximizing average efficiency of process time for pressure die casting in real foundries. International Journal of Advanced Manufacturing Technology, 2011, 53, 889-897. | 3.0 | 11 |
| 66 | Model matching inclusion for input/state asynchronous sequential machines. Automatica, 2011, 47, 597-602. | 5.0 | 17 |
| 67 | Model Matching for Asynchronous Sequential Machines with Uncontrollable Inputs. IEEE Transactions on Automatic Control, 2011, 56, 2140-2145. | 5.7 | 10 |
| 68 | Model matching for asynchronous sequential machines with adversarial inputs using state bursts. International Journal of Control, Automation and Systems, 2010, 8, 985-993. | 2.7 | 4 |
| 69 | Asynchronous sequential machines with adversarial intervention: the use of bursts. International Journal of Control, 2010, 83, 956-969. | 1.9 | 21 |
| 70 | Realizing Fault-Tolerant Asynchronous Sequential Machines Using Corrective Control. IEEE Transactions on Control Systems Technology, 2010, , . | 5.2 | 17 |
| 71 | Corrective Control of Input/Output Asynchronous Sequential Machines with Adversarial Inputs. IEEE Transactions on Automatic Control, 2010, 55, 755-761. | 5.7 | 15 |
| 72 | Fault-Tolerant Gait Planning for a Hexapod Robot Walking over Rough Terrain. Journal of Intelligent and Robotic Systems: Theory and Applications, 2009, 54, 613-627. | 3.4 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Optimization of mixed casting processes considering discrete ingot sizes. Journal of Mechanical Science and Technology, 2009, 23, 1899-1910. | 1.5 | 10 |
| 74 | Supervisory control for real-time scheduling of periodic and sporadic tasks with resource constraints. Automatica, 2009, 45, 2597-2604. | 5.0 | 18 |
| 75 | State Feedback Control of Asynchronous Machines with Nondeterministic Models. IEEE Transactions on Automatic Control, 2009, 54, 1072-1076. | 5.7 | 6 |
| 76 | State feedback control of asynchronous sequential machines with adversarial inputs. International Journal of Control, 2008, 81, 1910-1929. | 1.9 | 39 |
| 77 | Fault-tolerant crab gaits and turning gaits for a hexapod robot. Robotica, 2006, 24, 269-270. | 1.9 | 19 |
| 78 | Kinematic Constraints on Fault-Tolerant Gaits for a Locked Joint Failure. Journal of Intelligent and Robotic Systems: Theory and Applications, 2006, 45, 323-342. | 3.4 | 11 |
| 79 | Gait synthesis for hexapod robots with a locked joint failure. Robotica, 2005, 23, 701-708. | 1.9 | 22 |
| 80 | Fault-tolerant gaits of quadruped robots for locked joint failures. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2002, 32, 507-516. | 2.9 | 28 |
| 81 | 3D information manipulation and collaboration for internet virtual space. , 0, , . | | 0 |
| 82 | Client browsing module for internet collaborations. , 0, , . | | 2 |
| 83 | Fault-tolerant gait generation for locked joint failures. , 0, , . | | 2 |