

Piotr K Witczak

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

125
citations

1684188

5
h-index

1372567

10
g-index

27
all docs

27
docs citations

27
times ranked

123
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A neural network approach to simultaneous state and actuator fault estimation under unknown input decoupling. <i>Neurocomputing</i> , 2017, 250, 65-75. | 5.9 | 28 |
| 2 | A practical test for assessing the reachability of discrete-time Takagi-Sugeno fuzzy systems. <i>Journal of the Franklin Institute</i> , 2015, 352, 5936-5951. | 3.4 | 13 |
| 3 | A necessary and sufficient condition for total observability of discrete-time linear time-varying systems. <i>IFAC-PapersOnLine</i> , 2017, 50, 729-734. | 0.9 | 10 |
| 4 | A robust fault-tolerant model predictive control for linear parameter-varying systems. , 2014, , . | | 8 |
| 5 | Neural-network based robust predictive fault-tolerant control for multi-tank system. , 2014, , . | | 8 |
| 6 | A neural network-based robust unknown input observer design: Application to wind turbine. <i>IFAC-PapersOnLine</i> , 2015, 48, 263-270. | 0.9 | 8 |
| 7 | Robust and efficient predictive FTC: Application to wind turbines. , 2013, , . | | 5 |
| 8 | Robust model predictive control using neural networks. , 2014, , . | | 5 |
| 9 | Constrained actuator fault tolerant control with the application to a wind turbine. <i>IFAC-PapersOnLine</i> , 2018, 51, 1157-1163. | 0.9 | 5 |
| 10 | Intelligent Systems for the Prognosis of Energy Consumption in Manufacturing and Assembly. <i>Procedia CIRP</i> , 2015, 33, 370-375. | 1.9 | 4 |
| 11 | Design of robust predictive fault-tolerant control for Takagi-Sugeno fuzzy systems: Application to the twin-rotor system. , 2014, , . | | 3 |
| 12 | A Neural-Network-Based Robust Observer for Simultaneous Unknown Input Decoupling and Fault Estimation. <i>Lecture Notes in Computer Science</i> , 2015, , 535-548. | 1.3 | 3 |
| 13 | Thrust balance estimation of an unmanned aerial vehicle: Application to fault detection. , 2016, , . | | 3 |
| 14 | A predictive actuator fault-tolerant control strategy under input and state constraints. , 2017, , . | | 3 |
| 15 | Robust H _∞ actuator fault diagnosis with neural network. , 2013, , . | | 2 |
| 16 | A new Matlab coder for generating Structured Text Language from matrix expression for PLC and PAC controllers. <i>Journal of Physics: Conference Series</i> , 2017, 783, 012062. | 0.4 | 2 |
| 17 | Modeling discrete-event systems with constraints. , 2013, , . | | 1 |
| 18 | Towards Robust Fault-Tolerant Model Predictive Control with Constraints for Takagi-Sugeno Systems. <i>Mathematical Engineering</i> , 2016, , 309-333. | 0.2 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Advanced Trajectory Planning for Production Energy Estimation. , 2014, 18, 70-77. | 0.1 | 1 |
| 20 | A neural network-based simultaneous state and actuator fault estimation under unknown input decoupling. , 2016, , . | | 0 |
| 21 | A quadratic boundedness approach to adaptive simultaneous sensor and actuator fault estimation. , 2016, , . | | 0 |
| 22 | Design of receding-horizon estimators for the battery assembly system. IFAC-PapersOnLine, 2017, 50, 9297-9302. | 0.9 | 0 |
| 23 | Trends in Sensors Fault Diagnosis. Sensors, 2021, 21, 2224. | 3.8 | 0 |
| 24 | Modeling Discrete-Event Systems with Hard Synchronization Constraints. Advances in Intelligent Systems and Computing, 2014, , 511-521. | 0.6 | 0 |