

Piotr K Witczak

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

125
citations

1684188

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1372567

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g-index

27
all docs

27
docs citations

27
times ranked

123
citing authors

#	ARTICLE	IF	CITATIONS
1	Trends in Sensors Fault Diagnosis. Sensors, 2021, 21, 2224.	3.8	0
2	Constrained actuator fault tolerant control with the application to a wind turbine. IFAC-PapersOnLine, 2018, 51, 1157-1163.	0.9	5
3	A neural network approach to simultaneous state and actuator fault estimation under unknown input decoupling. Neurocomputing, 2017, 250, 65-75.	5.9	28
4	A new Matlab coder for generating Structured Text Language from matrix expression for PLC and PAC controllers. Journal of Physics: Conference Series, 2017, 783, 012062.	0.4	2
5	A predictive actuator fault-tolerant control strategy under input and state constraints. , 2017, , .		3
6	A necessary and sufficient condition for total observability of discrete-time linear time-varying systems. IFAC-PapersOnLine, 2017, 50, 729-734.	0.9	10
7	Design of receding-horizon estimators for the battery assembly system. IFAC-PapersOnLine, 2017, 50, 9297-9302.	0.9	0
8	A neural network-based simultaneous state and actuator fault estimation under unknown input decoupling. , 2016, , .		0
9	Thrust balance estimation of an unmanned aerial vehicle: Application to fault detection. , 2016, , .		3
10	Towards Robust Fault-Tolerant Model Predictive Control with Constraints for Takagi-Sugeno Systems. Mathematical Engineering, 2016, , 309-333.	0.2	1
11	A quadratic boundedness approach to adaptive simultaneous sensor and actuator fault estimation. , 2016, , .		0
12	A practical test for assessing the reachability of discrete-time Takagi-Sugeno fuzzy systems. Journal of the Franklin Institute, 2015, 352, 5936-5951.	3.4	13
13	A Neural-Network-Based Robust Observer for Simultaneous Unknown Input Decoupling and Fault Estimation. Lecture Notes in Computer Science, 2015, , 535-548.	1.3	3
14	Intelligent Systems for the Prognosis of Energy Consumption in Manufacturing and Assembly. Procedia CIRP, 2015, 33, 370-375.	1.9	4
15	A neural network-based robust unknown input observer design: Application to wind turbine. IFAC-PapersOnLine, 2015, 48, 263-270.	0.9	8
16	A robust fault-tolerant model predictive control for linear parameter-varying systems. , 2014, , .		8
17	Design of robust predictive fault-tolerant control for Takagi-Sugeno fuzzy systems: Application to the twin-rotor system. , 2014, , .		3
18	Neural-network based robust predictive fault-tolerant control for multi-tank system. , 2014, , .		8

#	ARTICLE	IF	CITATIONS
19	Robust model predictive control using neural networks. , 2014, , .		5
20	Advanced Trajectory Planning for Production Energy Estimation. , 2014, 18, 70-77.	0.1	1
21	Modeling Discrete-Event Systems with Hard Synchronization Constraints. Advances in Intelligent Systems and Computing, 2014, , 511-521.	0.6	0
22	Modeling discrete-event systems with constraints. , 2013, , .		1
23	Robust H_{∞} actuator fault diagnosis with neural network. , 2013, , .		2
24	Robust and efficient predictive FTC: Application to wind turbines. , 2013, , .		5