Marcin Pazera

List of Publications by Year
in descending order

34 papers	302 citations	1039880 9 h-index	887953 17 g-index
40 all docs	40 docs citations	40 times ranked	283 citing authors

#	Article	IF	Citations
1	Robust unknown input observer for state and fault estimation in discrete-time Takagi–Sugeno systems. International Journal of Systems Science, 2016, 47, 3409-3424.	3.7	68
2	Neural network-based robust actuator fault diagnosis for a non-linear multi-tank system. ISA Transactions, 2016, 61, 318-328.	3.1	53
3	Fault estimation of wind turbines using combined adaptive and parameter estimation schemes. International Journal of Adaptive Control and Signal Processing, 2018, 32, 549-567.	2.3	28
4	Robust Multiple Sensor Fault–Tolerant Control For Dynamic Non–Linear Systems: Application To The Aerodynamical Twin–Rotor System. International Journal of Applied Mathematics and Computer Science, 2018, 28, 297-308.	1.5	26
5	Virtual Diagnostic Sensors Design for an Automated Guided Vehicle. Applied Sciences (Switzerland), 2018, 8, 702.	1.3	24
6	Towards Robust Simultaneous Actuator and Sensor Fault Estimation for a Class of Nonlinear Systems: Design and Comparison. IEEE Access, 2019, 7, 97143-97158.	2.6	17
7	A quadratic boundedness approach to a neural network-based simultaneous estimation of actuator and sensor faults. Neural Computing and Applications, 2020, 32, 379-389.	3.2	14
8	Towards Simultaneous Actuator and Sensor Faults Estimation for a Class of Takagi-Sugeno Fuzzy Systems: A Twin-Rotor System Application. Sensors, 2020, 20, 3486.	2.1	11
9	Deterministic vs. Random Modulated Interference on G3 Power Line Communication. Energies, 2021, 14, 3257.	1.6	9
10	Fault diagnosis of an automated guided vehicle with torque and motion forces estimation: A case study. ISA Transactions, 2020, 104, 370-381.	3.1	6
11	Constrained actuator fault tolerant control with the application to a wind turbine. IFAC-PapersOnLine, 2018, 51, 1157-1163.	0.5	5
12	Towards robust process fault estimation for uncertain dynamic systems. , 2016, , .		4
13	A process fault estimation strategy for non-linear dynamic systems. Journal of Physics: Conference Series, 2017, 783, 012003.	0.3	4
14	Simultaneous estimation of multiple actuator anc sensor faults for Takagi-Sugeno fuzzy systems. , 2017, , .		4
15	Thrust balance estimation of an unmanned aerial vehicle: Application to fault detection. , 2016, , .		3
16	A Combined      H 2    /    H â̂ž    Approach for Robust Joint Actuator and Sensor Fault Estimation: Application to a DC Servo-Motor System. Sensors, 2019, 19, 2648.	2.1	3
17	Takagi–Sugeno Observer Design for Remaining Useful Life Estimation of Li-Ion Battery System Under Faults. Electronics (Switzerland), 2020, 9, 1537.	1.8	3
18	Robust actuator and sensor fault estimation for Takagi-Sugeno fuzzy systems under ellipsoidal bounding. , 2020, , .		3

#	Article	IF	Citations
19	Fault-Tolerant Tracking Control for a Descriptor System under an Unknown Input Disturbances. Electronics (Switzerland), 2021, 10, 2247.	1.8	3
20	Robust unknown input observer design for simultaneous actuator and sensor faults. , 2019, , .		2
21	Neural Network-Based Simultaneous Estimation of Actuator and Sensor Faults. Lecture Notes in Computer Science, 2017, , 305-316.	1.0	2
22	Combined estimation of actuator and sensor faults for non-linear dynamic systems. , 2017, , .		1
23	A Process Fault-Tolerant Control for Non-linear Dynamic Systems. Advances in Intelligent Systems and Computing, 2018, , 33-44.	0.5	1
24	Robust Time-Varying Sensor Bias Estimation for Bounded-Error Systems: Application to the Wind Turbine Benchmark. , 2018, , .		1
25	Selected Estimation Strategies for Fault Diagnosis of Nonlinear Systems. , 2019, , 263-293.		1
26	A neural network-based simultaneous state and actuator fault estimation under unknown input decoupling. , 2016, , .		0
27	Robust Guaranteed Cost Control for Nonlinear System Using Product Reduction Algorithm. Advances in Intelligent Systems and Computing, 2018, , 82-93.	0.5	0
28	A Neural Network-Based Approach to Sensor and Actuator Fault-Tolerant Control. Lecture Notes in Computer Science, 2019, , 515-526.	1.0	0
29	A mixed H2/Hâˆžapproach to robust actuator fault estimation. , 2019, , .		0
30	A Robust Takagi-Sugeno Fault Diagnostic Scheme for Remaining Useful Life Estimation. , 2021, , .		0
31	Fault-Tolerant Tracking Control and Remaining Useful Life Estimation for Takagi-Sugeno fuzzy system. , 2021, , .		0
32	Robust sensor fault-tolerant control for non-linear aero-dynamical MIMO system. Advances in Intelligent Systems and Computing, 2017, , 651-660.	0.5	0
33	Design of an integrated actuator fault-tolerant control under robust performance requirements. IFAC-PapersOnLine, 2020, 53, 13745-13750.	0.5	0
34	A fault-tolerant iterative learning control for Takagi-Sugeno fuzzy systems*. , 2021, , .		0