

# Mariusz Buciakowski

## List of Publications by Year in descending order

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28  
papers

306  
citations

1162889

8  
h-index

996849

15  
g-index

29  
all docs

29  
docs citations

29  
times ranked

259  
citing authors

#	ARTICLE	IF	CITATIONS
1	An LMI approach to robust fault estimation for a class of nonlinear systems. International Journal of Robust and Nonlinear Control, 2016, 26, 1530-1548.	2.1	78
2	A bounded-error approach to simultaneous state and actuator fault estimation for a class of nonlinear systems. Journal of Process Control, 2017, 52, 14-25.	1.7	53
3	Predictive actuator fault-tolerant control under ellipsoidal bounding. International Journal of Adaptive Control and Signal Processing, 2016, 30, 375-392.	2.3	36
4	A quadratic boundedness approach to robust DC motor fault estimation. Control Engineering Practice, 2017, 66, 181-194.	3.2	32
5	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
6	An H <sub>∞</sub> approach to fault estimation of non-linear systems: Application to one-link manipulator. , 2014, , .		14
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	Actuator fault diagnosis and fault-tolerant control: Application to the quadruple-tank process. Journal of Physics: Conference Series, 2014, 570, 082002.	0.3	11
9	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
10	Robust H <sub>∞</sub> actuator fault diagnosis and fault-tolerant control for a multi-tank system. , 2013, , .		6
11	Guaranteed cost estimation and control for a class of nonlinear systems subject to actuator saturation. European Journal of Control, 2021, 61, 119-132.	1.6	5
12	Simultaneous estimation of multiple actuator and sensor faults for Takagi-Sugeno fuzzy systems. , 2017, , .		4
13	Simultaneous state and process fault estimation in linear parameter varying systems using robust quadratic parameter varying observers. International Journal of Robust and Nonlinear Control, 2021, 31, 8390-8407.	2.1	4
14	A Combined H <sub>∞</sub> and H <sub>2</sub> Approach for Robust Joint Actuator and Sensor Fault Estimation: Application to a DC Servo-Motor System. Sensors, 2019, 19, 2648.	2.1	3
15	Adaptive fault tolerant control: Application to a DC servo motor. , 2015, , .		2
16	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.	0.3	2
17	Design of diagnostic estimators for an automated guided vehicle. IFAC-PapersOnLine, 2018, 51, 1004-1009.	0.5	2
18	Robust state estimation and control for nonlinear system with uncertain parameters. Journal of Physics: Conference Series, 2015, 659, 012025.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Robust fault and state estimation for Lipschitz systems: Three-tank system application. , 2015, , .		1
20	A quadratic boundedness approach to fault tolerant control for nonlinear system. IFAC-PapersOnLine, 2017, 50, 2101-2106.	0.5	1
21	Robust adaptive simultaneous state and fault estimation for nonlinear systems: Application to an aerodynamical system. , 2016, , .		0
22	Guaranteed cost estimation and control for nonlinear system using LMI optimization. , 2016, , .		0
23	Robust Guaranteed Cost Control for Nonlinear System Using Product Reduction Algorithm. Advances in Intelligent Systems and Computing, 2018, , 82-93.	0.5	0
24	A Neural Network-Based Approach to Sensor and Actuator Fault-Tolerant Control. Lecture Notes in Computer Science, 2019, , 515-526.	1.0	0
25	A mixed $H_2/H_\infty$ approach to robust actuator fault estimation. , 2019, , .		0
26	A Robust Takagi-Sugeno Fault Diagnostic Scheme for Remaining Useful Life Estimation. , 2021, , .		0
27	Towards Robust Predictive Control for Non-linear Discrete Time System. Advances in Intelligent Systems and Computing, 2016, , 179-191.	0.5	0
28	Design of an integrated actuator fault-tolerant control under robust performance requirements. IFAC-PapersOnLine, 2020, 53, 13745-13750.	0.5	0