Komi Midzodzi Pekpe

List of Publications by Year
in descending order

25 papers	126 citations	1478505 6 h-index	1372567 10 g-index
27 all docs	27 docs citations	27 times ranked	109 citing authors

#	Article	IF	Citations
1	Bearings fault detection in helicopters using frequency readjustment and cyclostationary analysis. Mechanical Systems and Signal Processing, 2013, 38, 499-514.	8.0	30
2	Acoustic monitoring of sodium boiling in a liquid metal fast breeder reactor from autoregressive models. Nuclear Engineering and Design, 2014, 278, 573-585.	1.7	11
3	Identification of MIMO Takagi-Sugeno model of a bioreactor. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	9
4	Switching time estimation and active mode recognition using a data projection method. International Journal of Applied Mathematics and Computer Science, 2016, 26, 827-840.	1.5	9
5	Active Mode Recognition of Switched Nonlinear Systems: Application to Fault Detection and Isolation. Asian Journal of Control, 2014, 16, 345-357.	3.0	8
6	Sensor fault diagnosis for bilinear systems using data-based residuals. , 2011, , .		6
7	On the Input-Output Distinguishability of Single Output Continuous Linear Time-Invariant Systems. IEEE Transactions on Automatic Control, 2016, 61, 1906-1911.	5.7	6
8	Robust discerning controls for the operating modes of linear switched systems subject to bounded unknown inputs. Automatica, 2018, 96, 159-165.	5.0	6
9	Subspace identification of switching model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 1089-1094.	0.4	5
10	Parameter-free method for switching time estimation and current mode recognition. , 2010, , .		5
11	Data projection method for sensor Fault Detection and Isolation on nonlinear systems based on Takagi Sugeno model. , 2011, , .		4
12	A parameter-free method for sensor fault detection and isolation in bilinear systems. , 2012, , .		4
13	Necessary and Sufficient Condition for Controlled Distinguishability of Continuous-Time Bilinear Systems. IEEE Transactions on Automatic Control, 2019, 64, 3013-3018.	5.7	4
14	Fault Detection and Isolation for Switching Systems using a Parameter-Free Method. , 2013, , 98-118.		4
15	On mode discernibility and switching detectability for linear switching systems using a data-based projection method. , 2011, , .		3
16	Vibration-based fault detection of accelerometers in helicopters. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 720-725.	0.4	3
17	Vibration-based fault detection of meshing shafts. IFAC-PapersOnLine, 2015, 48, 560-565.	0.9	3
18	Robust mode recognition in Hybrid Dynamical Systems with nonlinear modes. , 2011, , .		2

#	Article	IF	Citations
19	Vibration-based fault detection of sharp bearing faults in helicopters. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 180-185.	0.4	2
20	Data-projection method for actuator fault detection and estimation. , 2013, , .		2
21	Mode recognition of hybrid dynamical systems with nonlinear modes using Takagi-Sugeno models. , 2010, , .		0
22	Autoregressive model-based boiling detection in a Liquid Metal Fast Breeder Reactor. IFAC-PapersOnLine, 2015, 48, 566-570.	0.9	0
23	Indistinguishability Zone ofÂSingle-Output Bilinear Systems. Lecture Notes in Networks and Systems, 2020, , 51-67.	0.7	0
24	Data Projection Method for Sensor Faults Detection and Isolation inÂHammerstein Systems. Lecture Notes in Networks and Systems, 2020, , 3-19.	0.7	0
25	Estimation of Strain in a Rotating Shaft Using Deterministicâ€"Stochastic Approach. Lecture Notes in Networks and Systems, 2020, , 375-386.	0.7	0