FrÃ©dÃ©ric Kratz

List of Publications by Year
in descending order

		1040056	888059
19 papers	**409** citations	**9** h-index	**17** g-index
19 all docs	**19** docs citations	**19** times ranked	**345** citing authors

#	Article	IF	Citations
1	Sustainable manufacturing, maintenance policies, prognostics and health management: A literature review. Reliability Engineering and System Safety, 2022, 218, 108140.	8.9	49
2	On‑line detection and estimation of harmonics components in induction motors rotor fault through a modified Prony's method. International Transactions on Electrical Energy Systems, 2021, 31, e12737.	1.9	4
3	Unifying Model-Based Prognosis With Learning-Based Time-Series Prediction Methods: Application to Li-Ion Battery. IEEE Systems Journal, 2021, 15, 5245-5254.	4.6	16
4	Detectability of rotor failure for induction motors through stator current based on advanced signal processing approaches. International Journal of Dynamics and Control, 2021, 9, 1381-1395.	2.5	6
5	A Robust Finite Memory Observer Design for Continuous-Discrete Linear Time-Varying Systems with Process and Measurement Noises. , 2021, , .		0
6	Predictive simulation for the design of robotic solution to mobility aid. Journal of Computational Design and Engineering, 2021, 8, 1576-1590.	3.1	0
7	A Continuous-Discrete Finite Memory Observer Design for a Class of Nonlinear Systems: Application to Fault Diagnosis. Mathematical Problems in Engineering, 2020, 2020, 1-14.	1.1	4
8	On the application of interval PCA to process monitoring: A robust strategy for sensor FDI with new efficient control statistics. Journal of Process Control, 2018, 63, 29-46.	3.3	46
9	Sensor fault detection based on principal component analysis for interval-valued data. Quality Engineering, 2018, 30, 635-647.	1.1	18
10	Model-based prognosis applied to a coupled four tank MIMO system. IFAC-PapersOnLine, 2018, 51, 655-661.	0.9	4
11	Finite Memory Observer - based sensor fault detection and isolation for system when measurements are correlated with process noise. IFAC-PapersOnLine, 2018, 51, 320-325.	0.9	1
12	Rotor speed, load torque and parameters estimations of a permanent magnet synchronous motor using extended observer forms. IET Control Theory and Applications, 2017, 11, 1485-1492.	2.1	14
13	Failure Event Prediction Using Hidden Markov Model Approaches. IEEE Transactions on Reliability, 2015, 64, 1038-1048.	4.6	28
14	Finite Memory Observers for linear time-varying systems. Part II: Observer and residual sensitivity. Journal of the Franklin Institute, 2014, 351, 2860-2889.	3.4	2
15	Finite Memory Observers for linear time-varying systems: Theory and diagnosis applications. Journal of the Franklin Institute, 2014, 351, 785-810.	3.4	8
16	Designing the database for a reliability aware Model-Based System Engineering process. Reliability Engineering and System Safety, 2013, 111, 171-182.	8.9	26
17	Reliability study of complex physical systems using SysML. Reliability Engineering and System Safety, 2010, 95, 431-450.	8.9	110
18	FAULT DETECTION OF A NONLINEAR SWITCHING SYSTEM USING FINITE MEMORY OBSERVERS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 992-997.	0.4	8

#	Article	IF	Citations
19	Parameter-dependent state observer design for affine LPV systems. International Journal of Control, 2001, 74, 1601-1611.	1.9	65