Hamed Badihi

List of Publications by Year
in descending order

41 papers	595 citations	759233 12 h-index	677142 22 g-index
43 all docs	43 docs citations	43 times ranked	487 citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Intelligent Fault Diagnosis Technique of Rotary Machine Element Bearing: A Machine Learning Approach. Sensors, 2022, 22, 1073.	3.8	15
2	Wind Turbine Anomaly Detection Based on SCADA Data. , 2022, , 1-24.		3
3	A Comprehensive Review on Signal-Based and Model-Based Condition Monitoring of Wind Turbines: Fault Diagnosis and Lifetime Prognosis. Proceedings of the IEEE, 2022, 110, 754-806.	21.3	43
4	Fault-Tolerant Individual Pitch Control for Load Mitigation in Wind Turbines With Actuator Faults. IEEE Transactions on Industrial Electronics, 2021, 68, 532-543.	7.9	37
5	Diagnosis and Mitigation of Smart Cyber-Attacks on an Offshore Wind Farm Network Operator. , 2021, , .		2
6	Fault-Tolerant Cooperative Control of Large-Scale Wind Farms and Wind Farm Clusters. Energies, 2021, 14, 7436.	3.1	7
7	Hybrid Fault-Tolerant and Cyber-Resilient Control for PV System at Microgrid Framework. , 2021, , .		0
8	Active Cyber-Resilient Control for a PV System at Microgrid Level. , 2021, , .		1
9	Model-Based Active Fault-Tolerant Control for Power Electronic Converter in a Hybrid AC/DC Microgrid. , 2021, , .		0
10	An Intelligent Data-Driven Machine Learning Approach for Fault Detection of Wind Turbines. , 2021, , .		5
11	Fault-Tolerant Cooperative Control in a Wind Farm Using Adaptive Control Reconfiguration and Control Reallocation. IEEE Transactions on Sustainable Energy, 2020, 11, 2119-2129.	8.8	13
12	Passive Fault-Tolerant Control Strategies for Power Converter in a Hybrid Microgrid. Energies, 2020, 13, 5625.	3.1	26
13	Fault Detection and Diagnosis in Power Electronic Converters at Microgrid Level Based on Filter Bank Approach. , 2020, , .		2
14	Minimum-Eigenvalue-Based Fault-Tolerant Adaptive Dynamic Control for Spacecraft. Journal of Guidance, Control, and Dynamics, 2020, 43, 1764-1771.	2.8	7
15	Fractional-Order Sliding-Mode Fault-Tolerant Neural Adaptive Control of Fixed-Wing UAV With Prescribed Tracking Performance. , 2020, , .		6
16	Fault Diagnosis in Microgrids with Integration of Solar Photovoltaic Systems:A Review. IFAC-PapersOnLine, 2020, 53, 12091-12096.	0.9	14
17	Passive Fault-Tolerant Model Predictive Control of AC/DC PWM Converter in a Hybrid Microgrid. IFAC-PapersOnLine, 2020, 53, 12097-12102.	0.9	6
18	A Review on Operation, Control and Protection of Smart Microgrids. , 2019, , .		17

#	Article	IF	Citations
19	Passive Fault-Tolerant Control of PWM Converter in a Hybrid AC/DC Microgrid. , 2019, , .		9
20	AI-Driven Intelligent Fault Detection and Diagnosis in a Hybrid AC/DC Microgrid. , 2019, , .		9
21	Application of FMRAC to fault‐tolerant cooperative control of a wind farm with decreased power generation due to blade erosion/debris buildup. International Journal of Adaptive Control and Signal Processing, 2018, 32, 628-645.	4.1	6
22	Application of Model Reference Adaptive PI Control to FTCC of a Wind Farm. IFAC-PapersOnLine, 2018, 51, 280-285.	0.9	0
23	Fault-Tolerant Individual Pitch Control of a Wind Turbine with Actuator Faults. IFAC-PapersOnLine, 2018, 51, 1133-1140.	0.9	7
24	Model-Based Fault-Tolerant Pitch Control of an Offshore Wind Turbine. IFAC-PapersOnLine, 2018, 51, 221-226.	0.9	8
25	Fault-tolerant cooperative control in an offshore wind farm using model-free and model-based fault detection and diagnosis approaches. Applied Energy, 2017, 201, 284-307.	10.1	39
26	Passive Fault-tolerant Cooperative Control in an Offshore Wind Farm. Energy Procedia, 2017, 105, 2959-2964.	1.8	10
27	Model-based Active Fault-tolerant Cooperative Control in an Offshore Wind Farm. Energy Procedia, 2016, 103, 46-51.	1.8	3
28	Model-free active fault-tolerant cooperative control in an offshore wind farm. , 2016, , .		0
29	Wind Turbine Fault Diagnosis and Fault-Tolerant Torque Load Control Against Actuator Faults. IEEE Transactions on Control Systems Technology, 2015, 23, 1351-1372.	5.2	120
30	Active Fault Tolerant Control in a Wind Farm with Decreased Power Generation Due to Blade Erosion/Debris Build-Up. IFAC-PapersOnLine, 2015, 48, 1369-1374.	0.9	13
31	Active power control design for supporting grid frequency regulation in wind farms. Annual Reviews in Control, 2015, 40, 70-81.	7.9	30
32	Hybrid adaptive fault-tolerant control algorithms for voltage and frequency regulation of an islanded microgrid. International Transactions on Electrical Energy Systems, 2015, 25, 827-844.	1.9	16
33	Data-Driven Model-Based Fault Diagnosis in a Wind Turbine With Actuator Faults. , 2014, , .		0
34	An Active Fault-Tolerant Control Approach to Wind Turbine Torque Load Control against Actuator Faults. , 2014, , .		1
35	Fuzzy gain-scheduled active fault-tolerant control of a wind turbine. Journal of the Franklin Institute, 2014, 351, 3677-3706.	3.4	85
36	Design of a Pole Placement Active Power Control System for Supporting Grid Frequency Regulation and Fault Tolerance in Wind Farms. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4328-4333.	0.4	4

#	Article	IF	Citations
37	Fault-Tolerant Control design for a large off-shore wind turbine using Fuzzy Gain-Scheduling and Signal Correction. , 2013, , .		1
38	A review on application of monitoring, diagnosis, and fault-tolerant control to wind turbines. , 2013, , .		12
39	Model reference adaptive fault-tolerant control for a wind turbine against actuator faults. , 2013, , .		2
40	Optimization of a gas turbine engine fuzzy control. , 2012, , .		1
41	Improved Turbine Engine Hierarchical Modeling and Simulation Based on Engine Fuel Control System. , 2009, , .		9