

Horst Schulte

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/407388/publications.pdf>

Version: 2024-02-01

28
papers

422
citations

1307594

7
h-index

1058476

14
g-index

29
all docs

29
docs citations

29
times ranked

376
citing authors

#	ARTICLE	IF	CITATIONS
1	Grid Forming Stator Flux Control of Doubly-Fed Induction Generator. <i>Energies</i> , 2021, 14, 6766.	3.1	5
2	Notes on Recent Achievements in Proving Stability using KeYmaeraX. <i>Modelirovanie I Analiz Informacionnyh Sistem</i> , 2021, 28, 326-336.	0.3	0
3	Safety Analysis of Longitudinal Motion Controllers during Climb Flight. <i>Modelirovanie I Analiz Informacionnyh Sistem</i> , 2019, 26, 488-501.	0.3	2
4	Fault estimation and fault-tolerant control of the FAST NREL 5-MW reference wind turbine using a proportional multi-integral observer. <i>International Journal of Adaptive Control and Signal Processing</i> , 2018, 32, 568-585.	4.1	37
5	Optimization of Takagi-Sugeno Observers with Application to Fault Estimation. <i>IFAC-PapersOnLine</i> , 2018, 51, 127-132.	0.9	1
6	Particle Filter Design for Effective Wind Speed Estimation of Wind Turbines. , 2018, , .		1
7	Entwurf von Proportional-Multi-Integral Beobachtern in Takagi-Sugeno Fuzzy Form zur Schätzung unbekannter Eingänge. <i>Automatisierungstechnik</i> , 2017, 65, 167-178.	0.8	0
8	Nonlinear Quadratic Estimator with selective error state weighting. , 2017, , .		0
9	Modeling and optimal torque control of small wind turbines with permanent magnet synchronous generators. , 2017, , .		9
10	Estimation of Multiple Faults in Hydrostatic Wind Turbines using Takagi-Sugeno Sliding Mode Observer with Weighted Switching Action. <i>IFAC-PapersOnLine</i> , 2016, 49, 194-199.	0.9	8
11	Effective wind speed estimation: Comparison between Kalman Filter and Takagi-Sugeno observer techniques. <i>ISA Transactions</i> , 2016, 62, 60-72.	5.7	42
12	ISS for nonlinear systems in Takagi-Sugeno's form using quadratic and non-quadratic Lyapunov functions. , 2015, , .		0
13	Fault-tolerant control of wind turbines with hydrostatic transmission using Takagi-Sugeno and sliding mode techniques. <i>Annual Reviews in Control</i> , 2015, 40, 82-92.	7.9	40
14	Hardware-in-the-Loop Test-Bed for Benchmarking of Fault Tolerant Control Schemes for Wind Turbines. <i>IFAC-PapersOnLine</i> , 2015, 48, 1375-1382.	0.9	2
15	H&sup>g&t∞</sup> criteria for robust actuator fault reconstruction for nonlinear systems in Takagi-Sugeno's form using sliding modes. , 2015, , .		1
16	Analyse der Eingang-Zustand-Stabilität von Kleinwindanlagen mit LMI-Bedingungen. <i>Automatisierungstechnik</i> , 2014, 62, 698-707.	0.8	2
17	Control-oriented description of large scale wind turbines with hydrostatic transmission using Takagi-Sugeno models. , 2014, , .		12
18	Coordinate transformation of Takagi-Sugeno models: Stability conditions and observer canonical forms. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
19	Fault reconstruction using a Takagi-Sugeno sliding mode observer for the wind turbine benchmark. , 2014, , .		6
20	Benchmark problems for nonlinear system identification and control using Soft Computing methods: Need and overview. Applied Soft Computing Journal, 2014, 25, 496-513.	7.2	66
21	Stabilization of positive constrained Takagi-Sugeno fuzzy systems: Application to a Buck converter. Journal of the Franklin Institute, 2014, 351, 4111-4123.	3.4	40
22	Fault-Tolerant Control of Wind Turbines using a Takagi-Sugeno Sliding Mode Observer. Journal of Physics: Conference Series, 2014, 524, 012053.	0.4	5
23	Actuator fault diagnosis and fault-tolerant control of wind turbines using a Takagi-Sugeno sliding mode observer. , 2013, , .		10
24	Takagi-Sugeno sliding mode observer for friction compensation with application to an inverted pendulum. , 2013, , .		4
25	Stability analysis of small horizontal-axis wind turbines using Takagi-Sugeno fuzzy models. , 2013, , .		2
26	Takagi-Sugeno sliding mode observer design for load estimation and sensor fault detection in wind turbines. , 2012, , .		5
27	Control-oriented modelling of wind turbines using a Takagi-Sugeno model structure. , 2012, , .		37
28	Fuzzy state feedback gain scheduling control of servo-pneumatic actuators. Control Engineering Practice, 2004, 12, 639-650.	5.5	84