Herlambang Setiadi

List of Publications by Year
in descending order

48 papers	370 citations	933447 10 h-index	940533 16 g-index
49 all docs	49 docs citations	49 times ranked	164 citing authors

#	Article	IF	Citations
1	Modal interaction of power systems with high penetration of renewable energy and BES systems. International Journal of Electrical Power and Energy Systems, 2018, 97, 385-395.	5.5	53
2	Power System Design using Firefly Algorithm for Dynamic Stability Enhancement. Indonesian Journal of Electrical Engineering and Computer Science, 2016, 1, 446.	0.8	31
3	Influence of BES system on local and inter-area oscillation of power system with high penetration of PV plants. , 2017, , .		19
4	Optimization of SMES and TCSC using particle swarm optimization for oscillation mitigation in a multi machines power system. Journal of Mechatronics, Electrical Power, and Vehicular Technology, 2017, 8, 11-21.	0.3	19
5	Impact of battery energy storage systems on electromechanical oscillations in power systems. , 2017, , .		17
6	Resilient wide‐area multi‐mode controller design based on Bat algorithm for power systems with renewable power generation and battery energy storage systems. IET Generation, Transmission and Distribution, 2019, 13, 1884-1894.	2.5	16
7	Optimization pitch angle controller of rocket system using improved differential evolution algorithm. International Journal of Advances in Intelligent Informatics, 2017, 3, 27.	1.2	16
8	Small-disturbance angle stability enhancement using intelligent redox flow batteries. , 2017, , .		15
9	Optimal selection of LQR parameter using AIS for LFC in a multi-area power system. Journal of Mechatronics, Electrical Power, and Vehicular Technology, 2016, 7, 93-104.	0.3	15
10	The effects of energy storages on small signal stability of a power system. , 2017, , .		14
11	Enabling resilient wide‐area POD at BESS in Java, Indonesia 500 kV power grid. IET Generation, Transmission and Distribution, 2019, 13, 3734-3744.	2.5	13
12	Enabling PID and SSSC for load frequency control using Particle Swarm Optimization. , 2017, , .		11
13	Small-Signal-Stability Enhancement using a Power-System Stabilizer based on the Cuckoo-Search Algorithm against Contingency N-1 in the Sulselrabar 150-kV System. Makara Journal of Technology, 2018, 22, 1.	0.3	11
14	Modal Analysis and Stability Enhancement of 150 kV Sulselrabar Electrical System u sing PSS and RFB based on Cuckoo Search Algorithm. International Journal on Electrical Engineering and Informatics, 2017, 9, 800-812.	0.5	11
15	Capacitive Energy Storage (CES) Optimization For Load Frequency Control in Micro Hydro Power Plant Using Imperialist Competitive Algorithm (ICA). Emitter: International Journal of Engineering Technology, 2017, 5, 279-297.	0.7	10
16	Improving a two-equation eddy-viscosity turbulence model to predict the aerodynamic performance of thick wind turbine airfoils. Journal of Physics: Conference Series, 2018, 974, 012019.	0.4	9
17	Design of wide‐area POD with resiliency using modified DEA for power systems with high penetration of renewable energy. IET Renewable Power Generation, 2019, 13, 342-351.	3.1	8
18	Impacts of grid-tied microgrid on stability and interaction of power systems considering RE uncertainties. Sustainable Energy, Grids and Networks, 2021, 28, 100537.	3.9	8

#	Article	IF	Citations
19	An Approach Transient Stability Analysis Using Equivalent Impedance Modified in 150 kV South of Sulawesi System. Jte-u, 2017, 1, 1-7.	0.2	8
20	Frequency stability improvement of micro hydro power system using hybrid SMES and CES based on Cuckoo search algorithm. Journal of Mechatronics, Electrical Power, and Vehicular Technology, 2017, 8, 76-84.	0.3	7
21	Stability enhancement of hybrid power systems using RFB based on Craziness PSO. , 2017, , .		6
22	Enabling BES in large PV plant for stability enhancement of power systems with high RES. , 2017, , .		6
23	Low-Frequency Oscillatory Stability Study on 500 kV Java-Indonesian Electric Grid. , 2018, , .		6
24	Enhancing BEM simulations of a stalled wind turbine using a 3D correction model. Journal of Physics: Conference Series, 2018, 974, 012020.	0.4	5
25	Impact of Large-Scale Wind Power Penetration on Dynamic Voltage Stability of Interconnected Power System: An Indonesia Case Study. International Journal of Intelligent Engineering and Systems, 2021, 14, 251-263.	0.6	5
26	Comparison of Battery Energy Storage Models for Small Signal Stability in Power System. , 2018, , .		4
27	Optimization based Design of Dual Input PSS for Improving Small Signal Stability of Power System with RESs. International Journal on Electrical Engineering and Informatics, 2019, 11, 778-795.	0.5	4
28	Design Controller Blade Pitch Angle Wind Turbine Using Hybrid Differential Evolution Algorithm-Particle Swarm Optimization. Advanced Science Letters, 2017, 23, 12396-12399.	0.2	4
29	Coordination of SPS and CES to Mitigate Oscillatory Condition on Power Systems. Telkomnika (Telecommunication Computing Electronics and Control), 2017, 15, 1601.	0.8	4
30	Optimal Power Flow using Fuzzy-Firefly Algorithm. , 2018, , .		3
31	All-terrain mobile robot desinfectant sprayer to decrease the spread of COVID-19 in open area. International Journal of Electrical and Computer Engineering, 2021, 11, 2090.	0.7	2
32	Coordination of blade pitch controller and battery energy storage using firefly algorithm for frequency stabilization in wind power systems. Telkomnika (Telecommunication Computing) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 217 T		
33	Advanced Wide-Area Monitoring System Design for Electrical Power System. International Review on Modelling and Simulations, 2020, 13, 362.	0.3	2
34	Multi-Mode Damping Control Approach for the Optimal Resilience of Renewable-Rich Power Systems. Energies, 2022, 15, 2972.	3.1	2
35	Smart Frequency Control using Coordinated RFB and TCPS based on Firefly Algorithm. , 2018, , .		1
36	Design of spark ignition engine speed control using bat algorithm. International Journal of Electrical and Computer Engineering, 2021, 11, 794.	0.7	1

#	Article	IF	Citations
37	Adaptive Power System Stabilizer Using Kernel Extreme Learning Machine. International Journal of Intelligent Engineering and Systems, 2021, 14, 468-480.	0.6	1
38	An Extreme Learning Machine Based Adaptive VISMA for Stability Enhancement of Renewable Rich Power Systems. Electronics (Switzerland), 2022, 11, 247.	3.1	1
39	Design blade pitch controller of wind turbine for load frequency control (LFC) using improved differential evolution algorithm (IDEA). , 2017, , .		0
40	Low-Frequency Oscillation Mitigation usin an Optimal Coordination of CES and PSS based on BA. , 2018, , .		0
41	Simultaneous Parameter Optimization for Coordinated Control of BESS and DIPSS using Clonal Selection. , 2018, , .		0
42	Influence of Reduced Inertia by Added Wind Farm on Low-Frequency Oscillatory Instability of Power Systems. , 2018, , .		0
43	Influence of Adding BESS as Ancillary Controller of Wind Power Plant on Low Frequency Oscillation. International Journal of Intelligent Engineering and Systems, 2021, 14, 188-198.	0.6	0
44	Sistem Kontrol Frekuensi Optimal Pada Pembangkit Hibrid Wind-Diesel Dengan Imperialist Competitive Algorithm. Jurnal Teknologi Dan Sistem Komputer, 2017, 5, 135.	0.3	0
45	Simultaneous Parameter Tuning of PSS and Wide-Area POD in PV Plant using FPA. Engineering Journal, 2019, 23, 66-66.	1.0	0
46	Improvement of voltage profile for large scale power system using soft computing approach. Telkomnika (Telecommunication Computing Electronics and Control), 2020, 18, 376.	0.8	0
47	Advanced Coordination of VIC, LFC, and AVR for Stability Enhancement on Renewable Rich Power System. , 2021, , .		0
48	Prognostics Health Management (PHM) System for Power Transformer Using Kernel Extreme Learning Machine (K-ELM). , 2020, , .		0