

Issarachai Ngamroo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1917912/publications.pdf>

Version: 2024-02-01

58
papers

817
citations

623734

14
h-index

526287

27
g-index

58
all docs

58
docs citations

58
times ranked

791
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of Metallic Nano-Ring Structures by Soft Stamping with the Thermal Uplifting Method. Crystals, 2022, 12, 668.	2.2	1
2	Inertia Assessment From Transient Measurements: Recent Perspective From Japanese WAMS. IEEE Access, 2022, 10, 66332-66344.	4.2	5
3	Novel Control Design for Simultaneous Damping of Inter-Area and Forced Oscillation. IEEE Transactions on Power Systems, 2021, 36, 451-463.	6.5	11
4	Small-signal analysis of multiple virtual synchronous machines to enhance frequency stability of grid-connected high renewables. IET Generation, Transmission and Distribution, 2021, 15, 1273-1289.	2.5	14
5	Forced Oscillation Detection Amid Communication Uncertainties. IEEE Systems Journal, 2021, 15, 4644-4655.	4.6	5
6	Two-Stage Optimization Based On SOC Control of SMES Installed in Hybrid Wind/PV System for Stabilizing Voltage and Power Fluctuations. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	11
7	EVs Charging Power Control Participating in Supplementary Frequency Stabilization for Microgrids: Uncertainty and Global Sensitivity Analysis. IEEE Access, 2021, 9, 111005-111019.	4.2	12
8	Adaptive Robust Control Based on System Identification in Microgrid Considering Converter Controlled-Based Generator Modes. IEEE Access, 2021, 9, 125970-125983.	4.2	3
9	Multi-Objective Decentralized Model Predictive Control for Inverter Air Conditioner Control of Indoor Temperature and Frequency Stabilization in Microgrid. Energies, 2021, 14, 6969.	3.1	2
10	Effective Selection Method of System Stabilization Control Function Mounted on Smart Inverter. , 2020, , .		1
11	Wide-area damping control using signal restoration under communication uncertainties. Journal of Electrical Engineering, 2020, 71, 165-174.	0.7	1
12	Adaptive Output Power Smoothing of Grid-Connected Hybrid Wind-Photovoltaic by SMES. , 2020, , .		0
13	Wide-area damping controllers of wind and solar power using probabilistic signal selection. IET Renewable Power Generation, 2019, 13, 1351-1359.	3.1	4
14	Inter-Area Oscillation Damping Control Design Considering Impact of Variable Latencies. IEEE Transactions on Power Systems, 2019, 34, 481-493.	6.5	21
15	Distributed Frequency Suppression Method using Inverter for Photovoltaic Power Generation. , 2019, , .		2
16	An Optimization of Superconducting Coil Installed in an HVDC-Wind Farm for Alleviating Power Fluctuation and Limiting Fault Current. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	15
17	An Integration of Optimal Superconducting Coil Into a Photovoltaic Generator for Stabilization of Subsynchronous Resonance. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	1
18	Adaptive Signal Selection of Wide-Area Damping Controllers Under Various Operating Conditions. IEEE Transactions on Industrial Informatics, 2018, 14, 639-651.	11.3	19

#	ARTICLE	IF	CITATIONS
19	A Photovoltaic Generator with Superconducting Coil for Subsynchronous Resonance Damping. , 2018, , .		0
20	Integrated Superconducting Coil into HVDC-Wind Farm for Fault Current Limiting. , 2018, , .		1
21	Coordinated DFIG Wind Turbines and Solar PV Generators for Inter-area Oscillation Damping. , 2018, , .		3
22	Improvement of Power System Transient Stability by PV Farm With Fuzzy Gain Scheduling of PID Controller. IEEE Systems Journal, 2017, 11, 1684-1691.	4.6	61
23	Power swing and voltage stabilization by PV generator with active and reactive power controls. , 2017, , .		4
24	Two-level coordinated controllers for robust inter-area oscillation damping considering impact of local latency. IET Generation, Transmission and Distribution, 2017, 11, 4520-4530.	2.5	24
25	Active power modulation control of hybrid PV generator-battery for power swing stabilization. , 2016, , .		3
26	Optimal Superconducting Coil Integrated Into PV Generators for Smoothing Power and Regulating Voltage in Distribution System With PHEVs. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	21
27	Optimization of SMES-FCL for Augmenting FRT Performance and Smoothing Output Power of Grid-Connected DFIG Wind Turbine. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	33
28	Two-level robust coordinated stabilizing control of PSS and DFIG wind turbine for enhancing grid resiliency. , 2016, , .		4
29	Design of Optimal SMES Controller Considering SOC and Robustness for Microgrid Stabilization. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	24
30	Optimal tuning of power system stabilizers by probability method. , 2016, , .		2
31	Hierarchical Co-Ordinated Wide Area and Local Controls of DFIG Wind Turbine and PSS for Robust Power Oscillation Damping. IEEE Transactions on Sustainable Energy, 2016, 7, 943-955.	8.8	94
32	Improving FRT capability and alleviating output power of DFIG wind turbine by SMES-FCL. , 2015, , .		4
33	Integrated superconducting coil into PV generator for power smoothing and voltage regulation. , 2015, , .		4
34	Wide area robust centralized power oscillation dampers design for DFIG-based wind turbines. , 2014, , .		8
35	Optimization of robust power oscillation dampers for DFIG wind turbines considering N-1 outage contingencies. , 2014, , .		0
36	Robust stabilization of multimachine power system by DFIG wind turbine equipped with power oscillation damper. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
37	Adaptive Power System Stabilizer Design Using Optimal Support Vector Machines Based on Harmony Search Algorithm. <i>Electric Power Components and Systems</i> , 2014, 42, 439-452.	1.8	9
38	Sugeno fuzzy logic control-based smart PV generators for frequency control in loop interconnected power systems. , 2014, , .		2
39	Improved H ₂ /H _∞ control-based robust PI controller design of SMES for suppression of power fluctuation in microgrid. , 2014, , .		1
40	Coordinated Robust Control of DFIG Wind Turbine and PSS for Stabilization of Power Oscillations Considering System Uncertainties. <i>IEEE Transactions on Sustainable Energy</i> , 2014, 5, 823-833.	8.8	113
41	Model predictive control-based wind turbine blade pitch angle control for alleviation of frequency fluctuation in a smart grid. , 2014, , .		3
42	Robust decentralized power oscillation dampers design of DFIG wind turbines for stabilization of inter-area oscillation. , 2014, , .		3
43	Alleviation of power fluctuation in a microgrid by electrolyzer based on optimal fuzzy gain scheduling PID control. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2014, 9, 158-164.	1.4	3
44	Improving Low-Voltage Ride-Through Performance and Alleviating Power Fluctuation of DFIG Wind Turbine in DC Microgrid by Optimal SMES With Fault Current Limiting Function. <i>IEEE Transactions on Applied Superconductivity</i> , 2014, 24, 1-5.	1.7	52
45	Enhancement of LVRT performance and alleviation of power fluctuation of DFIG wind turbine in DC microgrid by SMES. , 2013, , .		7
46	Optimal fuzzy logic-based adaptive controller equipped with DFIG wind turbine for frequency control in stand alone power system. , 2013, , .		6
47	Optimized SFCL and SMES Units for Multimachine Transient Stabilization Based on Kinetic Energy Control. <i>IEEE Transactions on Applied Superconductivity</i> , 2013, 23, 5000309-5000309.	1.7	23
48	WLAV state estimation for power system containing multitype FACTS devices. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2013, 8, 207-214.	1.4	8
49	PSO-based Sugeno fuzzy logic controller of photovoltaic generator for frequency stabilization in stand-alone power system. , 2013, , .		1
50	Alleviation of Power Fluctuation in Interconnected Power Systems With Wind Farm by SMES With Optimal Coil Size. <i>IEEE Transactions on Applied Superconductivity</i> , 2012, 22, 5701504-5701504.	1.7	29
51	Coordinated Control of Optimized SFCL and SMES for Improvement of Power System Transient Stability. <i>IEEE Transactions on Applied Superconductivity</i> , 2012, 22, 5600805-5600805.	1.7	32
52	Optimal least squares support vector machines for SMES controller design using wide area phasor measurements. <i>European Transactions on Electrical Power</i> , 2012, 22, 571-588.	1.0	3
53	Simultaneous Optimization of SMES Coil Size and Control Parameters for Robust Power System Stabilization. <i>IEEE Transactions on Applied Superconductivity</i> , 2011, 21, 1358-1361.	1.7	12
54	Weighted least absolute value power system state estimation using rectangular coordinates and equivalent measurement functions. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2011, 6, 534-539.	1.4	10

#	ARTICLE	IF	CITATIONS
55	GPS synchronized phasor measurement units-based wide area robust PSS parameters optimization. European Transactions on Electrical Power, 2011, 21, 345-362.	1.0	6
56	Robust controller design of heat pump and plug-in hybrid electric vehicle for frequency control in a smart microgrid based on specified-structure mixed H ₂ /H _∞ control technique. Applied Energy, 2011, 88, 3860-3868.	10.1	69
57	Wide-Area Robust SMES Controller Design using Synchronized PMUs for Stabilization of Interconnected Power System with Wind Farms. IEEJ Transactions on Electrical and Electronic Engineering, 2010, 5, 428-438.	1.4	3
58	Incorporating ObjectStab library and fuzzy logic toolbox for design of power system damping controller. Computer Applications in Engineering Education, 2008, 16, 243-255.	3.4	3