H H Goh

List of Publications by Year
in descending order

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79	1,330	361413	395702
papers	citations	20	33
		h-index	g-index

79	79	79	914
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aging Analysis of Transformer Insulation at Weakest Region: Dielectric Parameters Extraction via Immune Optimization. IEEE Transactions on Transportation Electrification, 2023, 9, 1579-1589.	7.8	3
2	The Electromagnetic Losses Analysis of Inverter-Fed Induction Motor Accounting for Interbar Current and Rotor Slip Frequency. IEEE Transactions on Transportation Electrification, 2022, 8, 1155-1167.	7.8	4
3	An optimized design of residential integrated energy system considering the power-to-gas technology with multi-functional characteristics. Energy, 2022, 238, 121774.	8.8	32
4	Harnessing landfill gas (LFG) for electricity: A strategy to mitigate greenhouse gas (GHG) emissions in Jakarta (Indonesia). Journal of Environmental Management, 2022, 301, 113882.	7.8	39
5	Key technologies for smart energy systems: Recent developments, challenges, and research opportunities in the context of carbon neutrality. Journal of Cleaner Production, 2022, 331, 129809.	9.3	52
6	Multi-Objective Optimization for Smart Integrated Energy System Considering Demand Responses and Dynamic Prices. IEEE Transactions on Smart Grid, 2022, 13, 1100-1112.	9.0	69
7	A multimodal approach to chaotic renewable energy prediction using meteorological and historical information. Applied Soft Computing Journal, 2022, 118, 108487.	7.2	26
8	Acquisition of FDS for Oil-Immersed Insulation at Transformer Hotspot Region Based on Multiconstraint NSGA Model. IEEE Transactions on Industrial Electronics, 2022, 69, 13625-13635.	7.9	15
9	Transformation of Solid Waste Management in China: Moving towards Sustainability through Digitalization-Based Circular Economy. Sustainability, 2022, 14, 2374.	3.2	92
10	Application of choosing by advantages to determine the optimal site for solar power plants. Scientific Reports, 2022, 12, 4113.	3.3	18
11	Orderly Charging Strategy Based on Optimal Time of Use Price Demand Response of Electric Vehicles in Distribution Network. Energies, 2022, 15, 1869.	3.1	27
12	A New Wind Speed Scenario Generation Method Based on Principal Component and R-Vine Copula Theories. Energies, 2022, 15, 2698.	3.1	8
13	A comprehensive overview of modeling approaches and optimal control strategies for cyber-physical resilience in power systems. Renewable Energy, 2022, 189, 1383-1406.	8.9	27
14	Promoting digital transformation in waste collection service and waste recycling in Moscow (Russia): Applying a circular economy paradigm to mitigate climate change impacts on the environment. Journal of Cleaner Production, 2022, 354, 131604.	9.3	78
15	Effects of Temperature Gradient Induced Aging and Moisture Distribution on Dielectric Response Measurement for Transformer Insulation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	3
16	Robust Under-Frequency Load Shedding With Electric Vehicles Under Wind Power and Commute Uncertainties. IEEE Transactions on Smart Grid, 2022, 13, 3676-3687.	9.0	17
17	Treatment of whitewater from pulp and paper industry using membrane filtrations. Chemical Papers, 2022, 76, 5001-5010.	2.2	27
18	Denoising Transient Power Quality Disturbances Using an Improved Adaptive Wavelet Threshold Method Based on Energy Optimization. Energies, 2022, 15, 3081.	3.1	7

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19	An Assessment of Multistage Reward Function Design for Deep Reinforcement Learning-Based Microgrid Energy Management. IEEE Transactions on Smart Grid, 2022, 13, 4300-4311.	9.0	10
20	Accelerating sustainability transition in St. Petersburg (Russia) through digitalization-based circular economy in waste recycling industry: A strategy to promote carbon neutrality in era of Industry 4.0. Journal of Cleaner Production, 2022, 363, 132452.	9.3	52
21	Long-Prediction-Horizon Near-Optimal Model Predictive Grid Current Control for PWM-Driven VSIs With LCL Filters. IEEE Transactions on Power Electronics, 2021, 36, 2246-2257.	7.9	11
22	Optimal Strategy for Participation of Commercial HVAC Systems in Frequency Regulation. IEEE Internet of Things Journal, 2021, 8, 17100-17110.	8.7	8
23	Estimation of Operation Cost of Residential Multiple Energy System Considering Uncertainty of Loads and Renewable Energies. IEEE Access, 2021, 9, 4874-4885.	4.2	9
24	Multi-Objective Squirrel Search Algorithm for Multi-Area Economic Environmental Dispatch With Multiple Fuels and Valve Point Effects. IEEE Access, 2021, 9, 3988-4007.	4.2	8
25	Power Transmission Line Fault Detection and Diagnosis Based on Artificial Intelligence Approach and its Development in UAV: A Review. Arabian Journal for Science and Engineering, 2021, 46, 9305-9331.	3.0	15
26	Economic Dispatch of Wind-hydro-thermal Power Systems Considering Reservoir Flexibility. , 2021, , .		2
27	Impedance Modeling and Stability Analysis of DFIG-Based Wind Energy Conversion System Considering Frequency Coupling. Energies, 2021, 14, 3243.	3.1	7
28	Short-term wind power prediction based on preprocessing and improved secondary decomposition. Journal of Renewable and Sustainable Energy, 2021, 13, .	2.0	11
29	A Review of Metasurfaces for Microwave Energy Transmission and Harvesting in Wireless Powered Networks. IEEE Access, 2021, 9, 27518-27539.	4.2	25
30	Multi-Convolution Feature Extraction and Recurrent Neural Network Dependent Model for Short-Term Load Forecasting. IEEE Access, 2021, 9, 118528-118540.	4.2	21
31	Incorporating External Flexibility in Generation Expansion Planning. IEEE Transactions on Power Systems, 2021, 36, 5959-5962.	6.5	16
32	An Optimal Secondary Multi-Bus Voltage and Reactive Power Sharing Control Based on Non-Iterative Decoupled Linearized Power Flow for Islanded Microgrids. IEEE Access, 2021, 9, 105242-105254.	4.2	5
33	Common-Mode Voltage Reduction Algorithm for Photovoltaic Grid-Connected Inverters with Virtual-Vector Model Predictive Control. Electronics (Switzerland), 2021, 10, 2607.	3.1	4
34	Optimized Energy Extraction in Tidal Current Technology using Evolutionary Algorithm. , 2021, , .		2
35	A Constraint Equivalent Model of Heat Network with Heat Storage. , 2021, , .		0
36	Intelligent Path Modeling for Large-Scale Multi-energy Microgrid Considering Demand-side Management. , 2021, , .		0

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37	Near-Optimal MPC Algorithm for Actively Damped Grid-Connected PWM-VSCs With LCL Filters. IEEE Transactions on Industrial Electronics, 2020, 67, 4578-4589.	7.9	19
38	Predictive Direct Power Control for Dual-Active-Bridge Multilevel Inverter Based on Conservative Power Theory. Energies, 2020, 13, 2951.	3.1	4
39	A New Probabilistic Output Constrained Optimization Extreme Learning Machine. IEEE Access, 2020, 8, 28934-28946.	4.2	4
40	Compact Ultra-Wideband Monopole Antenna Loaded with Metamaterial. Sensors, 2020, 20, 796.	3.8	36
41	Comparison of Current Control Strategies Based on FCS-MPC and D-PI-PWM Control for Actively Damped VSCs With LCL-Filters. IEEE Access, 2019, 7, 112410-112423.	4.2	15
42	Adapting Perturbation Voltage in PV Array with Power Point Tracking and Differential Evolution. , 2019, , .		6
43	Challenges to Consumers Practices toward Renewable Energy in Household from a Socio-technical Perspective. , 2019, , .		0
44	Integration Model of Fuzzy AHP and Life-Cycle Cost Analysis for Evaluating Highway Infrastructure Investments. Journal of Infrastructure Systems, 2019, 25, .	1.8	13
45	Enhance Cascaded H-Bridge Multilevel Inverter with Artificial Intelligence Control. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 11, 105.	0.8	2
46	The Study of Stresses on Soil From Roadways Using Plaxis To Generate Potential Energy With Piezoelectric. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 11, 755.	0.8	0
47	Evolution of Precision Agriculture Computing towards Sustainable Oil Palm Industry. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 11, 725.	0.8	1
48	Recent advances in exploitation of nanomaterial for arsenic removal from water: a review. Nanotechnology, 2017, 28, 042001.	2.6	69
49	Barriers and Drivers of Malaysian BIPV Application: Perspective of Developers. Procedia Engineering, 2017, 180, 1585-1595.	1.2	20
50	Fault Location Techniques in Electrical Power System-A Review. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 8, 206.	0.8	5
51	A Review of Lightning Protection System - Risk Assessment and Application. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 8, 221.	0.8	4
52	Transmission Line Fault Detection: A Review. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 8, 199.	0.8	6
53	Types of Circuit Breaker and its Application in Substation Protection. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 8, 213.	0.8	2
54	Energy Power Plant in Electric Power Distribution Systems Equipping With Distance Protection. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 8, 192.	0.8	0

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55	Loss Of Excitation (LOE) Protection of Synchronous Generator. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 8, 230.	0.8	1
56	Predictive Direct Power Control (PDPC) of Grid-connected Dual-active Bridge Multilevel Inverter (DABMI). International Journal of Power Electronics and Drive Systems, 2017, 8, 1524.	0.6	6
57	Electromechanical-Traffic Model of Compression-Based Piezoelectric Energy Harvesting. MATEC Web of Conferences, 2016, 70, 10007.	0.2	7
58	Multilevel inverter for standalone application with selective harmonic elimination. , 2016, , .		0
59	Accidents Preventive Practice for High-Rise Construction. MATEC Web of Conferences, 2016, 47, 04004.	0.2	27
60	Switched-Battery Boost-Multilevel Inverter with GA Optimized SHEPWM for Standalone Application. IEEE Transactions on Industrial Electronics, 2016, 63, 2133-2142.	7.9	111
61	Wind energy assessment considering wind speed correlation in Malaysia. Renewable and Sustainable Energy Reviews, 2016, 54, 1389-1400.	16.4	35
62	Greenhouse gas forecast in Barton Water injection reinstatement project. , 2015, , .		0
63	Awareness and Initiatives of Building Integrated Photovoltaic (BIPV) implementation in Malaysian Housing Industry. Procedia Engineering, 2015, 118, 1052-1059.	1.2	11
64	Evaluation for Voltage Stability Indices in Power System Using Artificial Neural Network. Procedia Engineering, 2015, 118, 1127-1136.	1.2	37
65	COMPARATIVE STUDY OF DIFFERENT KALMAN FILTER IMPLEMENTATIONS IN POWER SYSTEM STABILITY. American Journal of Applied Sciences, 2014, 11, 1379-1390.	0.2	4
66	POWER STABILITY MONITORING BASED ON VOLTAGE INSTABILITY PREDICTION APPROACH THROUGH WIDE AREA SYSTEM. American Journal of Applied Sciences, 2014, 11, 717-731.	0.2	5
67	POWER QUALITY DIAGNOSIS IN DISTRIBUTION NETWORK USING WAVELET TRANSFORM. American Journal of Applied Sciences, 2014, 11, 291-300.	0.2	4
68	Maximum Power Point Tracking of Partially Shaded Photovoltaic Arrays Using Particle Swarm Optimization. , 2014, , .		15
69	Renewable energy project: Project management, challenges and risk. Renewable and Sustainable Energy Reviews, 2014, 38, 917-932.	16.4	34
70	Dynamic estimation of power system stability in different Kalman filter implementations. , 2014, , .		4
71	Modelling and design analyses of a piezoelectric cymbal transducer (PCT) structure for energy harvesting application. WIT Transactions on Ecology and the Environment, 2014, , .	0.0	8
72	Early warning and prevention of potential wide-area voltage instability problem. , 2013, , .		1

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73	Modelling and optimisation of stand alone power generation at rural area. , 2013, , .		8
74	Combination of TOPSIS and AHP in load shedding scheme for large pulp mill electrical system. International Journal of Electrical Power and Energy Systems, 2013, 47, 198-204.	5.5	36
75	Wind prediction in Malaysia using Mycielski-1 approach. , 2012, , .		1
76	LOAD SHEDDING SCHEME IN LARGE PULP MILL BY USING ANALYTIC HIERARCHY PROCESS. , 2011, , .		1
77	Application of Analytic Hierarchy Process (AHP) in load shedding scheme for electrical power system. , 2010, , .		9
78	A unique load shedding application in a large pulp mill electrical system. , 2010, , .		2
79	Particle Swarm Optimization Based Maximum Power Point Tracking for Partially Shaded Photovoltaic Arrays. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	7