

# Kein Huat Chua

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

449  
citations

933447

10  
h-index

940533

16  
g-index

33  
all docs

33  
docs citations

33  
times ranked

446  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of NILM-based energy efficiency on environmental degradation and kuznets hypothesis analysis. Bulletin of Electrical Engineering and Informatics, 2022, 11, 1-8.	0.8	1
2	Investigation of Aerodynamics for Third Rail on Regenerative Braking Energy. , 2022, , .		0
3	Exploration of the Suitability of Gravity Energy Storage in Malaysian Grid Systems. , 2022, , .		0
4	An Investigation on Recuperation of Regenerative Braking Energy in DC Railway Electrification System. , 2022, , .		1
5	Deep Learning and Optical Character Recognition for Digitization of Meter Reading. , 2022, , .		2
6	Deep Learning for Hot Rolled Steel Surface Rust Defects Detection. , 2022, , .		2
7	An Optimized Lightweight Model for Real-Time Wood Defects Detection based on YOLOv4-Tiny. , 2022, , .		4
8	Optimal operations of transformers in railway systems with different transformer operation modes and different headway intervals. International Journal of Electrical Power and Energy Systems, 2021, 127, 106631.	5.5	10
9	Damping of Subsynchronous Resonance in a Hybrid System With a Steam-Turbine Generator and an Offshore Wind Farm Using a Unified Power-Flow Controller. IEEE Transactions on Industry Applications, 2021, 57, 110-120.	4.9	14
10	Impact of nonintrusive load monitoring on CO <sub>2</sub> emissions in Malaysia. Bulletin of Electrical Engineering and Informatics, 2021, 10, 1803-1810.	0.8	3
11	Stability Improvement of a DC Microgrid Fed to a Multimachine Power System Using a STATCOM. , 2021, , .		0
12	Effects of Submarine-Cable Types and Parameters on Performance of a Future-Scheduled Offshore Wind Farm Connected to Taiwan Power System. IEEE Transactions on Industry Applications, 2020, 56, 1171-1179.	4.9	12
13	The State-of-the-Arts of Peak Shaving Technologies: A Review. , 2020, , .		15
14	A comprehensive methodology for setting up rural electrifications with minimum budgets on indigenous villages in Malaysia. International Journal of Energy Sector Management, 2019, 13, 885-902.	2.3	6
15	Modal Control Design of Damping Controllers for Thyristor-Controlled Series Capacitor to Stabilize Common-Mode Torsional Oscillations of a Series-Capacitor Compensated Power System. IEEE Transactions on Industry Applications, 2019, 55, 2327-2336.	4.9	15
16	Damping of Subsynchronous Resonance in a Hybrid System with a Steam-Turbine Generator and an Offshore Wind Farm Using a Unified Power-Flow Controller. , 2019, , .		1
17	Viability Analysis on DSTATCOM-Fuel Cell for Mitigating Voltage Fluctuation in Large-scaled Photovoltaic System. , 2019, , .		1
18	Novel fuzzy-based control strategy for standalone power systems for minimum cost of electricity in rural areas. Sustainable Energy Technologies and Assessments, 2019, 31, 199-211.	2.7	12

#	ARTICLE	IF	CITATIONS
19	Stability Improvement of an Integrated Multiple Offshore Wind Farms and Multiple Seashore Wave Farms Fed to a Power Grid Using a VSC-HVDC Link. , 2018, , .		0
20	Modal Control Design of Damping Controllers for Thyristor-Controlled Series-Capacitor Module to Stabilize Common-Mode Torsional Oscillations of a Series-Capacitor Compensated Power System. , 2018, , .		1
21	Investigation of Hybrid System for an Indigenous Village : A case study in Malaysia. , 2018, , .		0
22	Integration of a DFIG-based Offshore Wind Farm and a PMSG-based Offshore Wind Farm Connected to a Power Grid through a VSC-HVDC Link. , 2018, , .		0
23	Stability Analysis of a Hybrid Wave-Energy Conversion System with Linear Permanent-magnet Generator Driven by Archimedes Wave Swing and Induction Generator Driven by Wells Turbine. , 2018, , .		2
24	A novel fuzzy control algorithm for reducing the peak demands using energy storage system. Energy, 2017, 122, 265-273.	8.8	54
25	Active Control Strategy of Energy Storage System for Reducing Maximum Demand Charges under Limited Storage Capacity. Journal of Energy Engineering - ASCE, 2017, 143, .	1.9	7
26	Fuzzy-driven energy storage system for mitigating voltage unbalance factor on distribution network with photovoltaic system. AIP Conference Proceedings, 2017, , .	0.4	4
27	Energy storage system for peak shaving. International Journal of Energy Sector Management, 2016, 10, 3-18.	2.3	62
28	Distributed Energy Storage with Real and Reactive Power Controller for Power Quality Issues Caused by Renewable Energy and Electric Vehicles. Journal of Energy Engineering - ASCE, 2016, 142, .	1.9	4
29	Cost-benefit assessment of energy storage for utility and customers: A case study in Malaysia. Energy Conversion and Management, 2015, 106, 1071-1081.	9.2	54
30	Energy Storage System for Mitigating Voltage Unbalance on Low-Voltage Networks With Photovoltaic Systems. IEEE Transactions on Power Delivery, 2012, 27, 1783-1790.	4.3	130
31	Specific power capacity for estimating the allowable load and PVs installation. , 2012, , .		0
32	Mitigation of Voltage Unbalance in Low Voltage Distribution Network with High Level of Photovoltaic System. Energy Procedia, 2011, 12, 495-501.	1.8	31
33	Improved performance of PMSM speed responses using a hybrid Fuzzy/ PI controller. , 2010, , .		1