

# Kein Huat Chua

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

449  
citations

933447

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940533

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docs citations

33  
times ranked

446  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Energy storage system for peak shaving. International Journal of Energy Sector Management, 2016, 10, 3-18.	2.3	62
3	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
4	A novel fuzzy control algorithm for reducing the peak demands using energy storage system. Energy, 2017, 122, 265-273.	8.8	54
5	Mitigation of Voltage Unbalance in Low Voltage Distribution Network with High Level of Photovoltaic System. Energy Procedia, 2011, 12, 495-501.	1.8	31
6	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
7	The State-of-the-Arts of Peak Shaving Technologies: A Review. , 2020, , .		15
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	Fuzzy-driven energy storage system for mitigating voltage unbalance factor on distribution network with photovoltaic system. AIP Conference Proceedings, 2017, , .	0.4	4
16	An Optimized Lightweight Model for Real-Time Wood Defects Detection based on YOLOv4-Tiny. , 2022, , .		4
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Deep Learning and Optical Character Recognition for Digitization of Meter Reading. , 2022, , .		2
20	Deep Learning for Hot Rolled Steel Surface Rust Defects Detection. , 2022, , .		2
21	Improved performance of PMSM speed responses using a hybrid Fuzzy/ PI controller. , 2010, , .		1
22	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
23	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
24	Viability Analysis on DSTATCOM-Fuel Cell for Mitigating Voltage Fluctuation in Large-scaled Photovoltaic System. , 2019, , .		1
25	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
26	An Investigation on Recuperation of Regenerative Braking Energy in DC Railway Electrification System. , 2022, , .		1
27	Specific power capacity for estimating the allowable load and PVs installation. , 2012, , .		0
28	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
29	Investigation of Hybrid System for an Indigenous Village : A case study in Malaysia. , 2018, , .		0
30	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
31	Stability Improvement of a DC Microgrid Fed to a Multimachine Power System Using a STATCOM. , 2021, , .		0
32	Investigation of Aerodynamics for Third Rail on Regenerative Braking Energy. , 2022, , .		0
33	Exploration of the Suitability of Gravity Energy Storage in Malaysian Grid Systems. , 2022, , .		0