

# Hang Seng Che

## List of Publications by Year in descending order

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36  
papers

1,961  
citations

516215

16  
h-index

476904

29  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond the PAR spectra: impact of light quality on the germination, flowering, and metabolite content of <i>Stevia rebaudiana</i> (Bertoni). <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 299-311.	1.7	3
2	An improved look-up table-based direct torque control for permanent magnet synchronous generator using Vienna rectifier. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 138, 107875.	3.3	2
3	Post-Fault Voltage Limit of Dual Three-Phase Induction Machine Against Slip Frequency with Single and Two Isolated Neutrals. , 2022, , .		1
4	Estimation of Greenhouse Gas Emissions of Petrol, Biodiesel and Battery Electric Vehicles in Malaysia Based on Life Cycle Approach. <i>Sustainability</i> , 2022, 14, 5783.	1.6	6
5	A systematic review on current research and developments on coreless axial-flux permanent-magnet machines. <i>IET Electric Power Applications</i> , 2022, 16, 1095-1116.	1.1	10
6	Design of a small scale fluidized-bed incinerator for MSW with ability to utilize HHO as auxiliary fuel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1127, 012040.	0.3	3
7	Analysis of Fault-Tolerant Dual Three-Phase Induction Machine Using Graphical User Interface. , 2021, , .		1
8	Effects of flux derating methods on torque production of fault-tolerant polyphase induction drives. <i>IET Electric Power Applications</i> , 2021, 15, 616-628.	1.1	14
9	Current Trajectory-Based Fault Detection and Fault Tolerant Control for Three-phase Induction Drives. , 2021, , .		1
10	Usage of on-demand oxyhydrogen gas as clean/renewable fuel for combustion applications: a review. <i>International Journal of Green Energy</i> , 2021, 18, 1405-1429.	2.1	12
11	A Predictive Approach to Optimize a HHO Generator Coupled with Solar PV as a Standalone System. <i>Sustainability</i> , 2021, 13, 12110.	1.6	14
12	A Lookup Table Model Predictive Direct Torque Control of Permanent-Magnet Synchronous Generator Based on Vienna Rectifier. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020, 8, 1208-1222.	3.7	19
13	Continuous and Discontinuous PWM Methods for Symmetrical Six-Phase Induction Motor with Single Isolated Neutral. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 1885-1895.	1.7	5
14	The Effects of Rural Electrification on Quality of Life: A Southeast Asian Perspective. <i>Energies</i> , 2020, 13, 2410.	1.6	8
15	A fully coreless Multi-Stator Multi-Rotor (MSMR) AFPM generator with combination of conventional and Halbach magnet arrays. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 589-600.	3.4	13
16	Fault tolerance of asymmetrical six-phase induction machine during single open circuit fault to three open circuit faults using GUI. <i>International Journal of Power Electronics and Drive Systems</i> , 2020, 11, 611.	0.5	5
17	Performance Comparison of Fault-Tolerant Three-Phase Induction Motor Drives Considering Current and Voltage Limits. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 2639-2648.	5.2	70
18	Feedforward Fault-Tolerant Control for Three-Phase Induction Motor Drives with Single Open Circuit Fault. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	Fault-Tolerant Field-Oriented Control of Three-Phase Induction Motor Based on Unified Feedforward Method. IEEE Transactions on Power Electronics, 2019, 34, 7172-7183.	5.4	64
20	Comparative analysis of high voltage gain DC-DC converter topologies for photovoltaic systems. Renewable Energy, 2019, 136, 1147-1163.	4.3	115
21	Fault-Tolerant Symmetrical Six-phase Induction Motor Drive Based on Feed-forward Voltage Compensation. , 2019, , .		8
22	Design and Simulation of Axial Flux Permanent Magnet Generator for Residential Pico-Hydro Power Generation. , 2018, , .		1
23	Transformerless high gain boost and buck-boost DC-DC converters based on extendable switched capacitor (SC) cell for stand-alone photovoltaic system. Solar Energy, 2018, 171, 212-222.	2.9	48
24	Establishment of fault current characteristics for solar photovoltaic generator considering low voltage ride through and reactive current injection requirement. Renewable and Sustainable Energy Reviews, 2018, 92, 478-488.	8.2	42
25	Parameter Estimation of Asymmetrical Six-Phase Induction Machines Using Modified Standard Tests. IEEE Transactions on Industrial Electronics, 2017, 64, 6075-6085.	5.2	74
26	A Unified Analysis of the Fault Tolerance Capability in Six-Phase Induction Motor Drives. IEEE Transactions on Power Electronics, 2017, 32, 7824-7836.	5.4	201
27	Confined Band Variable Switching Frequency Pulse Width Modulation (CB-VSF PWM) for a Single-Phase Inverter With an LCL Filter. IEEE Transactions on Power Electronics, 2017, 32, 8593-8605.	5.4	28
28	Global electricity demand, generation, grid system, and renewable energy policies: a review. Wiley Interdisciplinary Reviews: Energy and Environment, 2017, 6, e222.	1.9	38
29	Fault-Tolerant Operation of Six-Phase Energy Conversion Systems With Parallel Machine-Side Converters. IEEE Transactions on Power Electronics, 2016, 31, 3068-3079.	5.4	69
30	Dual three-phase operation of single neutral symmetrical six-phase machine for improved performance. , 2015, , .		28
31	Modelling and fault-tolerant control of 5-phase induction machine. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2015, 63, 997-1006.	0.8	7
32	Modulation Techniques to Reduce Leakage Current in Three-Phase Transformerless H7 Photovoltaic Inverter. IEEE Transactions on Industrial Electronics, 2015, 62, 322-331.	5.2	140
33	Current Control Methods for an Asymmetrical Six-Phase Induction Motor Drive. IEEE Transactions on Power Electronics, 2014, 29, 407-417.	5.4	219
34	Operation of a Six-Phase Induction Machine Using Series-Connected Machine-Side Converters. IEEE Transactions on Industrial Electronics, 2014, 61, 164-176.	5.2	137
35	Comparison and Analysis of Single-Phase Transformerless Grid-Connected PV Inverters. IEEE Transactions on Power Electronics, 2014, 29, 5358-5369.	5.4	250
36	Postfault Operation of an Asymmetrical Six-Phase Induction Machine With Single and Two Isolated Neutral Points. IEEE Transactions on Power Electronics, 2014, 29, 5406-5416.	5.4	303