

Sakda Somkun

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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933447

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26
all docs

26
docs citations

26
times ranked

338
citing authors

#	ARTICLE	IF	CITATIONS
1	A DSP-based interleaved boost DC-DC converter for fuel cell applications. International Journal of Hydrogen Energy, 2015, 40, 6391-6404.	7.1	63
2	Magnetostriction Anisotropy and Rotational Magnetostriction of a Nonoriented Electrical Steel. IEEE Transactions on Magnetics, 2010, 46, 302-305.	2.1	47
3	Unified Unbalanced Synchronous Reference Frame Current Control for Single-Phase Grid-Connected Voltage-Source Converters. IEEE Transactions on Industrial Electronics, 2016, 63, 5425-5436.	7.9	40
4	Effect of Magnetostriction Anisotropy in Nonoriented Electrical Steels on Deformation of Induction Motor Stator Cores. IEEE Transactions on Magnetics, 2009, 45, 4744-4747.	2.1	34
5	Measurement and Modeling of 2-D Magnetostriction of Nonoriented Electrical Steel. IEEE Transactions on Magnetics, 2012, 48, 711-714.	2.1	33
6	Design of Proportional-Resonant Controller with Zero Steady-State Error for a Single-Phase Grid-Connected Voltage Source Inverter with an LCL Output Filter. , 2019, , .		25
7	Modeling 2-D Magnetostriction in Nonoriented Electrical Steels Using a Simple Magnetic Domain Model. IEEE Transactions on Magnetics, 2015, 51, 1-7.	2.1	24
8	Unbalanced synchronous reference frame control of single-phase stand-alone inverter. International Journal of Electrical Power and Energy Systems, 2019, 107, 332-343.	5.5	24
9	Novel Control Technique of Single-phase PWM Rectifier by Compensating Output Ripple Voltage. , 0, , .		22
10	Two-Phase Interleaved Boost Converter Using Coupled Inductor for Fuel Cell Applications. Energy Procedia, 2017, 138, 199-204.	1.8	14
11	Magnetostriction in grain-oriented electrical steels under AC magnetisation at angles to the rolling direction. IET Electric Power Applications, 2016, 10, 932-938.	1.8	12
12	High performance current control of single-phase grid-connected converter with harmonic mitigation, power extraction and frequency adaptation capabilities. IET Power Electronics, 2021, 14, 352-372.	2.1	11
13	Single-phase grid-connected voltage source converter for LCL filter with grid-current feedback. , 2017, , .		10
14	Performance Comparison of Ferrite and Nanocrystalline Cores for Medium-Frequency Transformer of Dual Active Bridge DC-DC Converter. Energies, 2021, 14, 2407.	3.1	10
15	Fast DC bus voltage control of single-phase PWM rectifiers using a ripple voltage estimator. , 2016, , .		9
16	Efficiency Evaluation of Three Phase and Single Phase C2C Self-Excited Induction Generator for Micro Hydro Power Application. Energy Procedia, 2017, 138, 193-198.	1.8	8
17	Performance Analysis of Thermal Energy Storage Prototype in Thailand. Journal of Clean Energy Technologies, 2015, 4, 101-106.	0.1	6
18	Mechanical Resonance in Nonoriented Electrical Steels Induced by Magnetostriction Under PWM Voltage Excitation. IEEE Transactions on Magnetics, 2008, 44, 4062-4065.	2.1	5

#	ARTICLE	IF	CITATIONS
19	Design and Implementation of an Interleaved Boost DC-DC Converter for PEM Fuel Cells. Applied Mechanics and Materials, 0, 666, 87-92.	0.2	5
20	Modeling, Simulation and Development of Grid-Connected Voltage Source Converter with Selective Harmonic Mitigation: HiL and Experimental Validations. Energies, 2022, 15, 2535.	3.1	5
21	Simple and fast synchronous reference frame current control for single-phase grid-connected voltage source converters. , 2015, , .		3
22	Simulation of DSP-based Control of Paralleled Boost PFC with Minimized Current Sensors. , 0, , .		1
23	Transesterification of Jatropha Seed Oil Naturally Extracted by Distilled Water on Highly Stabilized Structure of Zeolite NaX Impregnated with Potassium Buffer Solution. , 2018, , .		1
24	Effect of Voltage Unbalance on the Power Quality of Three-Phase Grid-Connected PV Inverters. , 2019, , .		1
25	Implementation of Harmonic Compensation for Three-Phase Grid-Connected Voltage-Source Converter Under Grid Voltage Distortion. , 2022, , .		1
26	Modelling and Simulation of Dual Active Bridge DC-DC Converters for Fuel Cell Applications. Advanced Science Letters, 2017, 23, 5112-5116.	0.2	0