

Sakda Somkun

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Modeling, Simulation and Development of Grid-Connected Voltage Source Converter with Selective Harmonic Mitigation: HiL and Experimental Validations. <i>Energies</i> , 2022, 15, 2535.	3.1	5
2	Implementation of Harmonic Compensation for Three-Phase Grid-Connected Voltage-Source Converter Under Grid Voltage Distortion. , 2022, , .		1
3	Performance Comparison of Ferrite and Nanocrystalline Cores for Medium-Frequency Transformer of Dual Active Bridge DC-DC Converter. <i>Energies</i> , 2021, 14, 2407.	3.1	10
4	High performance current control of single-phase grid-connected converter with harmonic mitigation, power extraction and frequency adaptation capabilities. <i>IET Power Electronics</i> , 2021, 14, 352-372.	2.1	11
5	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
6	Effect of Voltage Unbalance on the Power Quality of Three-Phase Grid-Connected PV Inverters. , 2019, , .		1
7	Unbalanced synchronous reference frame control of single-phase stand-alone inverter. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 107, 332-343.	5.5	24
8	Transesterification of Jatropha Seed Oil Naturally Extracted by Distilled Water on Highly Stabilized Structure of Zeolite NaX Impregnated with Potassium Buffer Solution. , 2018, , .		1
9	Single-phase grid-connected voltage source converter for LCL filter with grid-current feedback. , 2017, , .		10
10	Efficiency Evaluation of Three Phase and Single Phase C2C Self-Excited Induction Generator for Micro Hydro Power Application. <i>Energy Procedia</i> , 2017, 138, 193-198.	1.8	8
11	Two-Phase Interleaved Boost Converter Using Coupled Inductor for Fuel Cell Applications. <i>Energy Procedia</i> , 2017, 138, 199-204.	1.8	14
12	Modelling and Simulation of Dual Active Bridge DC-DC Converters for Fuel Cell Applications. <i>Advanced Science Letters</i> , 2017, 23, 5112-5116.	0.2	0
13	Fast DC bus voltage control of single-phase PWM rectifiers using a ripple voltage estimator. , 2016, , .		9
14	Unified Unbalanced Synchronous Reference Frame Current Control for Single-Phase Grid-Connected Voltage-Source Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 5425-5436.	7.9	40
15	Magnetostriction in grain-oriented electrical steels under AC magnetisation at angles to the rolling direction. <i>IET Electric Power Applications</i> , 2016, 10, 932-938.	1.8	12
16	Simple and fast synchronous reference frame current control for single-phase grid-connected voltage source converters. , 2015, , .		3
17	Modeling 2-D Magnetostriction in Nonoriented Electrical Steels Using a Simple Magnetic Domain Model. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-7.	2.1	24
18	A DSP-based interleaved boost DC-DC converter for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6391-6404.	7.1	63

#	ARTICLE	IF	CITATIONS
19	Performance Analysis of Thermal Energy Storage Prototype in Thailand. Journal of Clean Energy Technologies, 2015, 4, 101-106.	0.1	6
20	Measurement and Modeling of 2-D Magnetostriction of Nonoriented Electrical Steel. IEEE Transactions on Magnetics, 2012, 48, 711-714.	2.1	33
21	Magnetostriction Anisotropy and Rotational Magnetostriction of a Nonoriented Electrical Steel. IEEE Transactions on Magnetics, 2010, 46, 302-305.	2.1	47
22	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
23	Mechanical Resonance in Nonoriented Electrical Steels Induced by Magnetostriction Under PWM Voltage Excitation. IEEE Transactions on Magnetics, 2008, 44, 4062-4065.	2.1	5
24	Novel Control Technique of Single-phase PWM Rectifier by Compensating Output Ripple Voltage. , 0, , .		22
25	Simulation of DSP-based Control of Paralleled Boost PFC with Minimized Current Sensors. , 0, , .		1
26	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