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A review of single-phase improved power quality AC-DC converters

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995	Modelling and Simulation of Power Factor Corrected AC-DC Converters. 2004 , 41, 244-264		10
994	High performance speed sensor-less control of an induction motor drive using a minimalist single-phase PWM converter.		
993	Power fed electronic ballast.		
992	Optimization of the DC ripple energy compensating circuit on a single-phase voltage source PWM rectifier.		26
991	Switching-function-based modeling and control of a SEPIC power factor correction circuit operating in continuous and discontinuous current modes.		5
990	Comparison between two methods of DQ transformation for single phase converters control. Application to a 3-level boost rectifier.		31
989	Control of an induction motor drive fed with a single-phase fed sparse PWM rectifierInverter. 2005 , 152, 526		4
988	Adaptive control of power factor correction converter using nonlinear system identification. 2005 , 152, 627		23
987	Power factor correction and efficiency investigation of AC-DC converters using forced commutation techniques. 2005 ,		3
986	Sliding Mode Control of PFC Converter. 2005 , 51, 371-377		3
985	On the use of pre-calculated switching angles to design a new single-phase static PFC inverter. 2005 ,		1
984	Variable frequency control of an induction motor drive with reduced switching devices. 2005,		1
983	Power-mode-controlled power-factor corrector for electronic ballast. <i>IEEE Transactions on Industrial Electronics</i> , 2005 , 52, 56-65	8.9	26
982	High-performance speed-sensorless control of an induction motor drive using a minimalist single-phase PWM converter. <i>IEEE Transactions on Industry Applications</i> , 2005 , 41, 996-1004	4.3	12
981	AC-side current waveform improvement of single-phase rectifiers using a triple-frequency PWM scheme. 2005 ,		
980	A three-level converter and its application to power factor correction. <i>IEEE Transactions on Power Electronics</i> , 2005 , 20, 1319-1327	7.2	55
979	PWM regenerative rectifiers: state of the art. <i>IEEE Transactions on Industrial Electronics</i> , 2005 , 52, 5-22	8.9	522

(2006-)

978	A Novel Averaged-Model-Based Control of a SEPIC Power Factor Corrector Using the Input/Output Feedback Linearization Technique.	8
977	Efficiency and Power Factor Investigation of Characteristic Converter Topologies via Simulation. 2005 ,	1
976	A comparative analysis of nonlinear current control schemes applied to a SEPIC power factor corrector. 2005 ,	5
975	A DQ Synchronous Reference Frame Current Control for Single-Phase Converters.	73
974	Active Power Factor Correction Using Nonlinear Control. 2005 , 33, 973-983	4
973	Current and voltage tracking controls for a DSP-based SMR. 2005 ,	1
972	Current Control of a High Power Factor Improved Power Quality Four Quadrant AC-DC Converter. 2006 ,	1
971	Leading and Lagging Power Factor Operations of a Four-Quadrant AC-DC Converter with Sinusoidal Line Currents. 2006 ,	O
970	Active Compensation of the Input Filter Capacitor Current in Single-Phase PFC Boost Converters. 2006 ,	1
969	A Novel PWM Soft Switching DC-DC Converter. 2006 ,	
968	Modeling and Control of a Single-Phase Sheppard-Taylor Based Power Factor Corrector. 2006,	16
967	A Novel Voltage Sensor-less Control Technique Synthesis for a Boost AC/DC Pre-regulator. 2006 ,	3
966	Performance Comparison of High Frequency Isolated AC-DC Converters for Power Quality Improvement at Input AC Mains. 2006 ,	8
965	A new neutral-point voltage control for single-phase three-level NPC converters.	O
964	Improvement of Nonlinear-carrier Control for High-power-factor Boost Rectifiers. 2006,	1
963	A 20-kW, 10-kHz, Single-Phase Multilevel Active-Front-End Converter with Reactive Power Control. 2006 ,	6
962	Comparison of Power Decoupling Characteristics of DC Ripple Energy on the Single-phase Voltage Source PWM Rectifiers. 2006 , 126, 64-73	6
961	Practical Design of a SEPIC Power Factor Corrector with DC-Voltage Regulation. 2006 ,	12

960	A search algorithm for the identification of multiple inputs nonlinear systems using orthogonal least squares estimator. <i>Electrical Engineering</i> , 2006 , 88, 357-365	1.5	5
959	Unified algorithm of single-phase active AC-DC converters and its applications. 2006, 10, 151-153		1
958	. 2006,		12
957	Novel Random-Harmonic Elimination PWM Technique for Single-Switch Three-Phase AC-DC Buck Converter. 2006 ,		
956	A new high power factor single-phase diode rectifier with optimum ripple-power conversion. 2006 ,		
955	Two New High Power Factor Single-Phase Diode Rectifiers Using Optimum Ripple-Power Conversion. 2006 ,		1
954	Power factor and vibration assessments for switched-reluctance motor fed by switch-mode rectifier.		
953	A Simple Design Method for Nonlinear Control of Power Factor Correction Boost Converter. 2006 , 34, 1267-1282		4
952	Recent Trends in Power Quality Improvements Techniques. 2007,		1
951	Power factor improvement of an AC-DC converter via appropriate sPWM technique. 2007,		3
950	Reactive Power Control Realizations in Single-Phase Active-Front-End Converters. 2007,		O
949	Elimination of the Output Voltage Imbalance in a Half-Bridge Boost Rectifier. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 1352-1360	7.2	20
948	Optimal operation of a single phase converter by switching frequency changes. 2007,		
947	Active Clamp Sepic Converter with Power Factor Correction. 2007,		7
946	A New Single-Phase Controlled Rectifier Using Single-Phase Matrix Converter Topology Incorporating Active Power Filter. 2007 ,		9
945	A New Single-Phase Controlled Rectifier using Single-Phase Matrix Converter with Regenerative Capabilities. 2007 ,		4
944	Comparison of single-phase matrix converter and H-bridge converter for radio frequency induction heating. 2007 ,		13
943	HCC PWM Control of the Single-Phase Bi-Directional Buck Converter giving IEEE 519 Compliance at any Power Factor. 2007 ,		O

(2008-2007)

942	A new single-phase power factor corrector based on the sepic and Sheppard-Taylor topologies. 2007 ,		8	
941	Averaged Model Based Control of a Sheppard-Taylor PFC with Nonlinearity Compensation. 2007,		8	
940	Power quality education using a remote monitoring laboratory. 2007,		4	
939	Boost Rectifier Power Factor Correction Circuits with Improved Harmonic and Load Voltage Regulation Responses. 2007 ,			
938	Comparative Study of Two Average-Model-Based PWM Control Schemes for a Sheppard-Taylor PFC. 2007 ,		5	
937	Small-Signal Averaged Model and Carrier-Based Linear Control of a Sheppard-Taylor PFC. 2007 ,		7	
936	Robust control of switch-mode rectifier considering nonlinear behaviour. 2007 , 1, 316		1	
935	Integrated Zeta F lyback Electronic Ballast to Supply High-Intensity Discharge Lamps. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 2918-2921	8.9	30	
934	Cost-effective power converter for thin film solar cell technology and improved power quality. 2008 , 201, 786-790		5	
933	Single-phase bidirectional AC-DC converters for plug-in hybrid electric vehicle applications. 2008,		9	
932	Small-signal averaged model and carrier-based linear control of a new Sheppard-Taylor-based PFC. 2008 ,		4	
931	. IEEE Transactions on Power Electronics, 2008 , 23, 2428-2442	7.2	123	
930	Multi-loops control design for a new Sheppard-Taylor based Power Factor Corrector with model-nonlinearity compensation. 2008 ,		3	
929	. 2008,		3	
928	A new single-phase to three-phase cycloconverter for low cost AC motor drives. 2008,		1	
927	Small-signal averaged model and carrier-based linear control of a SEPIC-type Power Factor Correction circuit. 2008 ,		3	
926	Studies on control electronics implementation of Single-phase Matrix converter operating as AC-DC Converter with active power filter. 2008 ,		5	
925	A new single-phase dual converter using single-phase matrix converter. 2008 ,		2	

924	A current-sensorless digital controller for active power factor correction control based on Kalman filters. 2008 ,		10
923	Multi-cell topologies for three-phase systems operating under unbalanced AC mains and asymmetrical loads. 2008 ,		
922	Research on the single-phase PWM rectifier based on the repetitive control. 2008,		
921	Phase feedforward control for single-phase boost-type SMR. 2008 ,		1
920	LED Permanent Emergency Lighting System based on a single magnetic component. 2008,		
919	. 2008,		
918	Improved Modification of the Closed-Loop-Controlled AC-AC Resonant Converter for Induction Heating. 2009 , 31, 298-303		1
917	. 2009,		O
916	Development of a mixed-signal PFC control IC with fast dynamic response. 2009,		1
915	Unity power factor isolated three-phase buck-boost rectifier based on scott transformer. 2009,		1
914	Control strategy for a high efficiency single stage converter. 2009 ,		4
913	On randomized harmonic spectrum control for a flyback switch-mode rectifier. 2009,		1
912	Robustness analysis of a rectifier in half bridge configuration with unity power factor. 2009,		О
911	Load adaptive control for mixed-signal PFC control IC. 2009,		O
910	Development of a Compact Switched-Reluctance Motor Drive for EV Propulsion With Voltage-Boosting and PFC Charging Capabilities. 2009 , 58, 3198-3215		101
909	. IEEE Transactions on Power Electronics, 2009 , 24, 2886-2896	7.2	43
908	Design, study, modelling and control of a new single-phase high power factor rectifier based on the single-ended primary inductance converter and the Sheppard Taylor topology. 2009 , 2, 163-177		32
907	Analysis and Design of a Modular Three-Phase AC-to-DC Converter Using CUK Rectifier Module With Nearly Unity Power Factor and Fast Dynamic Response. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 2000-2012	7.2	48

(2010-2009)

906	A soft-switching universal-input voltage HPF rectifier implemented with a modified sepic converter. 2009 ,		1
905	Half Bridge Boost Converter for Power Quality Improvement in PMBLDCM Drive. 2009,		3
904	Stability analysis of PFC converters with one-cycle control. 2009,		О
903	A low switch voltage stress interleaved boost converter for power factor correction. 2009,		7
902	Development of a Switched-Reluctance Motor Drive With PFC Front End. 2009 , 24, 30-42		21
901	Power Quality Improvement of PMBLDCM Driven Air-Conditioner Using a Single-Stage PFC Boost Bridge Converter. 2009 ,		1
900	Feedback decoupling and distortion correction based reactive compensation control for single-phase inverter. 2009 ,		O
899	Redundant three-phase AC to DC converter using single-phase CUK rectifier module with minimized DC bus capacitance. 2009 ,		1
898	Application of Software Simulation Approach to Adjustable Speed AC Drive System Curriculum. 2009 ,		
897	Digital-controlled power factor corrector with transition current mode control without zero current detection. 2009 ,		2
896	Theoretical analysis of a single-phase three-level PFC converter employing multi-state switching cells. 2009 ,		8
895	Design, study, modeling and control of a modified Sheppard-Taylor PFC. 2009 ,		4
894	LED Permanent Emergency Lighting System Based on a Single Magnetic Component. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 1409-1416	7.2	27
893	Single-phase matrix converter operating as buck and boost rectifier. 2009,		4
892	. 2009,		2
891	Zero-Current-Transition Bridgeless PFC Without Extra Voltage and Current Stress. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 2540-2547	8.9	53
890	. 2009,		6
889	On smart grid technology to support a high uptake of electric vehicles preliminary observations. 2010 , 43, 19-23		

888	An isolated bridgeless AC-DC converter with high power factor. 2010 ,	7
887	A high-performance single-phase AC-DC power factor corrected boost converter for plug in hybrid electric vehicle battery chargers. 2010 ,	20
886	Efficiency evaluation of single-phase solutions for AC-DC PFC boost converters for plug-in-hybrid electric vehicle battery chargers. 2010 ,	15
885	Voltage controlled PFC SEPIC converter fed PMBLDCM drive for an air-conditioner. 2010 ,	5
884	Bridgeless Single-Stage Full-Bridge Converter with One Cycle Control in the output voltage. 2010 ,	5
883	A Modified SEPIC Converter for High-Power-Factor Rectifier and Universal Input Voltage Applications. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 310-321	92
882	Single-phase, wide line voltage range, buck power factor corrector with lower harmonic contents in compliance with IEC standard 61000-3-2. 2010 ,	0
881	Reduction of speed ripple and vibration for switched reluctance motor drive via intelligent current profiling. 2010 , 4, 380	22
880	A unified practical approach to analyze the stability of the pre-regulator and complete two-stage PFC power supplies under average-current-mode control. 2010 ,	1
879	Educational experience of computer and network based teaching approach to electrical engineering curriculums. 2010 ,	O
878	An unified approach to predictive transition current mode control for digital-controlled power factor corrector. 2010 ,	2
877	Single stage modular converter with power factor improvement for telecom power supply. 2010 ,	1
876	Energy-based digital control of a ripple correction circuit of an unity-power-factor AC/DC converter. 2010 ,	О
875	Integrated chargers for EV's and PHEV's: examples and new solutions. 2010 ,	69
874	A voltage controlled adjustable speed PMBLDCM drive using a single-stage PFC half-bridge converter. 2010 ,	2
873	A Voltage Controlled PFC Cuk Converter Based PMBLDCM Drive for Air-Conditioners. 2010 ,	4
872	Voltage controlled PFC Zeta converter based PMBLDCM drive for an air-conditioner. 2010,	10
871	Sinusoidal Pulse Width Modulation using CORDIC algorithm for Single Phase Matrix Converter. 2010 ,	4

870	. 2010,		2
869	A High-Performance Multicell Topology Based on Single-Phase Power Cells for Three-Phase Systems Operating Under Unbalanced AC Mains and Asymmetrical Loads. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 2730-2738	.9	10
868	Single-phase two-stage boost rectifiers with sinusoidal input current. 2010 , 3, 176		7
867	Single-phase power factor controller topologies for permanent magnet brushless DC motor drives. 2010 , 3, 147		56
866	Analysis and Design of a High-Efficiency Full-Bridge Single-Stage Converter With Reduced Auxiliary Components. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 1850-1862	2	26
865	EMBEDDED CONTROLLED PULSE CONVERTER FED INDUCTION HEATER. <i>Journal of Circuits,</i> Systems and Computers, 2010 , 19, 581-595	.9	2
864	Novel Digital-Controlled Transition Current-Mode Control and Duty Compensation Techniques for Interleaved Power Factor Corrector. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 3085-3094	2	28
863	A power factor corrected PMBLDCM drive for air-conditioner using bridge converter. 2010 ,		4
862	Battery charging system for PHEV and EV using single phase AC/DC PWM buck converter. 2010 ,		4
861	Computer simulation of single-phase matrix converter operating as buck or boost rectifier. 2010,		1
860	. 2010,		4
859	. 2011,		2
858	A modified Sheppard-Taylor power factor corrector operating in Discontinuous Capacitor Voltage Mode. 2011 ,		10
857	A 12kW three-phase modular converter with unity power factor for telecom power supplies. 2011 ,		1
856	Design and implementation of a boost power factor correction stage operated in mixed-conduction mode. 2011 ,		0
855	Techniques to obtain single-stage power supplies with power factor correction (PFC). 2011 , 98, 487-504		5
854	Power quality based performance analysis of a dual buck converter fed four-quadrant dc drive. 2011 ,		
853	Grid to vehicle and vehicle to grid energy transfer using single-phase bidirectional AC-DC converter and bidirectional DC-DC converter. 2011 ,		25

852	Light load stability improvement for single-phase boost PFC rectifier using input current self-control technique. 2011 ,		2
851	Analysis on Performances of Matrix Rectifier under Abnormal Conditions. 2011 , 354-355, 1347-1352		
850	Digital control of sensorless brushless DC motor drive system with power factor correction for air conditioners. 2011 ,		3
849	Isolated converter topologies for power factor correction 🛭 comparison. 2011 ,		10
848	Power quality enhancement using FACTS neutral point filter compensator for EV-battery charging schemes. 2011 ,		1
847	The design of a PMSM motor drive with active power factor correction. 2011 ,		
846	Novel topologies of 24-pulse rectifier with conventional transformers for phaseshifting. 2011 ,		5
845	Power quality improvement techniques in AC-DC Cuk Converter. 2011,		6
844	Light load efficiency improvement for AC/DC boost PFC converters by digital multi-mode control method. 2011 ,		2
843	Boost and Buck topology based single phase AC-DC converters with low THD and high power factor. 2011 ,		O
842	lik topology based single phase AC-DC converter wih low THD and high power factor. 2011 ,		1
841	A unified approach for the analysis of single-phase Power Factor Correction converters. 2011 ,		7
840	Isolated Zeta PFC converter based voltage controlled PMBLDCM drive for air-conditioning application. 2011 ,		5
839	An automotive on-board 3.3 kW battery charger for PHEV application. 2011 ,		66
838	Asymptotic Slow-Scale Stability Boundary of PFC ACDC Power Converters: Theoretical Prediction and Experimental Validation. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 3448-3460	8.9	36
837	Modulation characteristics for a bidirectional AC-DC converter based on dual active bridge (January 2010). 2011 ,		1
836	Active snubber components optimization for ZVT-ZCT soft switched PFC converter. 2011,		
835	Optimizing the LLCIC Resonant Converter Topology for Wide-Output-Voltage and Wide-Output-Load Applications. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 3192-3204	7.2	49

834	New Optimized Full-Bridge Single-Stage AC/DC Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 2397-2409	8.9	31
833	A Flyback Rectifier With Spread Harmonic Spectrum. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 3485-3499	8.9	13
832	A novel Half-Bridge converter with Current Ripple Reduction. 2011 ,		
831	A High-Performance Single-Phase Bridgeless Interleaved PFC Converter for Plug-in Hybrid Electric Vehicle Battery Chargers. <i>IEEE Transactions on Industry Applications</i> , 2011 , 47, 1833-1843	4.3	202
830	Unity Power Factor Isolated Three-Phase Rectifier With Two Single-Phase Buck Rectifiers Based on the Scott Transformer. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 2688-2696	7.2	14
829	A New Single-Phase Soft-Switching Power Factor Correction Converter. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 436-443	7.2	27
828	High power factor three-phase rectifier with two interleaved single-phase buck rectifier. 2011,		О
827	. 2011,		25
826	Energy efficiency in plug-in hybrid electric vehicle chargers: Evaluation and comparison of front end AC-DC topologies. 2011 ,		21
825	Vector control of multiple-module transverse flux PM generator for large-scale direct-drive wind turbines. 2011 ,		4
824	Novel power factor analyzing method of single-phase PFC converter. 2011 ,		
823	HF voltage generation in a multi-state switching cells-based single-phase multilevel PFC rectifier. 2011 ,		O
822	Single-phase high power factor hybrid rectifier suitable for high-power applications. 2012 , 5, 1137-1140	5	4
821	A family of Full-Bridge Single-Stage PFCs topologies: Identification of technical problems. 2012 ,		2
820	Enhancement of power quality of AC-DC Boost converter with HCC and FLC-A comparative study. 2012 ,		5
819	Three-phase push-pull modular converter based welding power supply with improved power quality. 2012 ,		5
818	A cost effective high-performance smart battery charger for Off-road and neighborhood EVs. 2012 ,		8
817	Current sensorless control for bidirectional full-bridge converter in DC distributed system. 2012 ,		

816 . 2012,

815	Comparison of one cycle control of charge and current for bi-directional boost rectifiers. 2012 ,		2
814	Ripple reduction in AC-DC power converters via a Lyapunov approach. 2012,		
813	A Voltage-Controlled PFC Cuk Converter-Based PMBLDCM Drive for Air-Conditioners. <i>IEEE Transactions on Industry Applications</i> , 2012 , 48, 832-838	4.3	67
812	An integrated split-phase dual-inverter permanent magnet motor drive and battery charger for grid-connected electric or hybrid vehicles. 2012 ,		13
811	A zero voltage switching full-bridge DC-DC converter for an on-board PHEV battery charger. 2012 ,		6
810	3 phase switch mode AC Voltage Controller with Input Current Shaping. 2012 ,		O
809	Generalized Analysis of a Multistate Switching Cells-Based Single-Phase Multilevel PFC Rectifier. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 46-56	7.2	10
808	A novel single-phase buck PFC AC-DC converter using an active buffer. 2012,		7
807	Modified ICos⁄Controller for Shunt Active Filter Interfacing Renewable Energy Source and Grid. 2012 , 2, 62-68		4
806	Input-output linearization control of single-phase buck-boost power factor corrector. 2012,		5
805	. 2012,		0
804	. 2012,		О
803	. 2012,		
802	Sliding mode control of a power factor corrected converter for Plug-In Hybrid Electric Vehicles. 2012 ,		
801	An enhanced controller for shunt active filter interfacing renewable energy source and grid. 2012,		O
800	A comparative study of single-phase power factor correctors: Modeling, steady-state analysis, tracking ability and design criteria. 2012 ,		5
799	Single-phase single-stage bidirectional isolated ZVS AC-DC converter with PFC. 2012 ,		59

798	A high performance single-phase AC-DC PFC boost converter with passive snubber circuit. 2012 ,		3
797	A bidirectional single stage AC-DC converter with high frequency isolation feasible to DC distributed power systems. 2012 ,		15
796	Novel on-line maximum duty point tracking technique to improving server power efficiency meeting 80 plus Gold code. 2012 ,		1
795	A Single-Phase Single-Stage High Step-Up ACDC Matrix Converter Based on CockcroftWalton Voltage Multiplier With PFC. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 4894-4905	7.2	27
794	Practical design considerations for a LLC multi-resonant DC-DC converter in battery charging applications. 2012 ,		35
793	Review of integrated charging methods for plug-in electric and hybrid vehicles. 2012,		24
792	. 2012 , 61, 3475-3489		311
791	. 2012 , 61, 3466-3474		155
790	A Family of Predictive Digital-Controlled PFC Under Boundary Current Mode Control. 2012 , 8, 448-458		44
789	A review of bidirectional on-board charger topologies for plugin vehicles. 2012 ,		16
789 788	A review of bidirectional on-board charger topologies for plugin vehicles. 2012, A single sensor based PFC Zeta converter Fed BLDC motor drive for fan applications. 2012,		16 9
788	A single sensor based PFC Zeta converter Fed BLDC motor drive for fan applications. 2012, Switch-mode power converters for harmonics mitigation in power systems (Technology progress.	5.1	9
788 787	A single sensor based PFC Zeta converter Fed BLDC motor drive for fan applications. 2012, Switch-mode power converters for harmonics mitigation in power systems [Technology progress. 2012, Characterizing and monitoring voltage transients as problem to sensitive loads. International	5.1	9
788 787 786	A single sensor based PFC Zeta converter Fed BLDC motor drive for fan applications. 2012, Switch-mode power converters for harmonics mitigation in power systems [Technology progress. 2012, Characterizing and monitoring voltage transients as problem to sensitive loads. International Journal of Electrical Power and Energy Systems, 2012, 43, 1305-1317	5.1	9 5 13
788 787 786 785	A single sensor based PFC Zeta converter Fed BLDC motor drive for fan applications. 2012, Switch-mode power converters for harmonics mitigation in power systems Technology progress. 2012, Characterizing and monitoring voltage transients as problem to sensitive loads. International Journal of Electrical Power and Energy Systems, 2012, 43, 1305-1317 Input switched single phase high performance bridgeless AC-DC Zeta converter. 2012,	5.1	9 5 13 3
788 787 786 785 784	A single sensor based PFC Zeta converter Fed BLDC motor drive for fan applications. 2012, Switch-mode power converters for harmonics mitigation in power systems (Technology progress. 2012, Characterizing and monitoring voltage transients as problem to sensitive loads. International Journal of Electrical Power and Energy Systems, 2012, 43, 1305-1317 Input switched single phase high performance bridgeless AC-DC Zeta converter. 2012, 3 phase switch mode AC voltage controller with low THD and high power factor. 2012, Electric vehicle and grid interface with modified PWM rectifier and DC-DC converter with power	5.1	9 5 13 3

780	A single-phase bidirectional dual active half-bridge converter. 2012 ,	7
779	Study of single-phase bidirectional battery charger for high power application. 2012 ,	2
778	A comprehensive analysis of hybrid active power filter for power quality enhancement. 2012,	16
777	Reduced sensor based improved power quality CSC converter fed BLDC motor drive. 2012,	
776	A zero voltage switching full-bridge DC-DC converter with capacitive output filter for a plug-in-hybrid electric vehicle battery charger. 2012 ,	17
775	Input switched single phase buck and buck-boost AC-DC converter with improved power quality. 2012 ,	1
774	An interleaved ZVS full-bridge DC-DC converter with capacitive output filter for a PHEV charger. 2012 ,	5
773	Power quality improvement using three phase modular converter for welding power supply. 2012 ,	1
77²	AC voltage sensorless control of battery charger system in electric vehicle applications. 2012,	1
771	An effective control scheme for a universal input battery charger in electric vehicle applications. 2012 ,	4
77°	The Design of a High Power Factor Brushless DC Motor Drive. 2012 ,	10
769	Three-phase single stage medium power supply using Cuk converter. 2012 ,	6
768	PFC buck converter fed PMBLDCM drive for low power applications. 2012 ,	2
767	Improved power quality flyback converter fed PMBLDCM drive. 2012,	1
766	An enhanced controller for shunt active filter interfacing renewable energy source and grid. 2012,	4
765	Series-voltage-action converter. 2012 , 5, 1127-1136	3
764	Controller Design Considerations for ACM APFC Systems. 2012 , 2012, 1-9	
763	Evaluation and Efficiency Comparison of Front End AC-DC Plug-in Hybrid Charger Topologies. 2012 , 3, 413-421	156

762	Review of charging power levels and infrastructure for plug-in electric and hybrid vehicles. 2012,		87
761	Soft switching bridgeless power factor correction with reduced conduction losses and no stresses. 2012 , 5, 334-340		7
760	High power factor transformerless single-stage single-phase ac to high-voltage dc converter with voltage multiplier. 2012 , 5, 149		11
759	Teaching of power quality phenomenon based on modeling and simulation of boost type PFC converters. 2012 , 20, 149-160		9
758	. 2013 , 62, 1568-1576		35
757	Power factor-corrected DCM-based electronic ballast. <i>Electrical Engineering</i> , 2013 , 95, 403-411	1.5	7
756	Power-Quality Improvement in PFC Bridgeless SEPIC-Fed BLDC Motor Drive. 2013 , 14, 285-296		5
755	. 2013,		6
754	A comparative study of different control strategies of On-Board Battery Chargers for Battery Electric Vehicles. 2013 ,		6
753	Improved power quality bridgeless Cuk converter fed brushless DC motor drive for air conditioning system. 2013 , 6, 902-913		60
752	A simplified power loss calculation method for PFC boost topologies. 2013,		6
751	An isolated interleaved DC-DC converter with voltage doubler rectifier for PHEV battery charger. 2013 ,		7
750	Control strategies for a LLC multi-resonant DC-DC converter in battery charging applications. 2013,		7
749	Grid-Connected Integrated Battery Chargers in Vehicle Applications: Review and New Solution. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 459-473	8.9	182
748	Study and implementation of a two-phase interleaved bridgeless buck power factor corrector. 2013 ,		4
747	Input impedance and current feedforward control for leading-lagging phase admittance cancellation in the AC-DC boost converter. 2013 ,		2
746	A PFC based BLDC motor drive using a Bridgeless Zeta converter. 2013 ,		11
745	State-Space Approach to Modeling and Ripple Reduction in ACDC Converters. 2013, 21, 1949-1955		10

744	A single-phase current source PV inverter with power decoupling capability using an active buffer. 2013 ,		2
743	Integrated bidirectional isolated soft-switched battery charger for vehicle-to-grid technology using 4-Switch 3E ectifier. 2013 ,		3
742	. 2013,		1
741	Self-commissioning of digital-controlled power factor corrector with critical current mode. 2013,		
740	G2V and V2G operation 20 kW battery charger. 2013 ,		7
739	EV/PHEV Bidirectional Charger Assessment for V2G Reactive Power Operation. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 5717-5727	7.2	157
738	PFC correcting of single-inductor three-level bridgeless with one-cycle. 2013 ,		
737	Comparative evaluation of the single-phase I/IENNA IIand the Double Boost effect I/BEII rectifiers under sliding mode current control. 2013 ,		2
736	Harmonics reduction using multilevel inverter with SMES by OHPDPWM technique. 2013,		1
735	Front-End Buck Rectifier With Reduced Filter Size and Single-Loop Control. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 4359-4368	8.9	12
734	Sampled Data Model Predictive Control of a Voltage Source Inverter for Reduced Harmonic Distortion. 2013 , 21, 1907-1915		45
733	The parallel operation control of a modular AC to DC converter via serial communication bus. 2013 , 8, 78-86		
732	A review of single phase power factor correction A.CD.C. converters. 2013,		7
731	A three-phase power-factor correction scheme using an autotransformer and two single-phase Buck rectifiers. 2013 ,		
730	Modeling and multi-loop feedback control design of a SEPIC power factor corrector in single-phase rectifiers. 2013 , 91, 274-283		3
729	Isolated Three-Phase High Power Factor Rectifier Based on the SEPIC Converter Operating in Discontinuous Conduction Mode. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 4962-4969	7.2	53
728	A reduced sensor PFC BL-Zeta converter based VSI fed BLDC motor drive. 2013 , 98, 11-18		30
727	Review of the Impact of Vehicle-to-Grid Technologies on Distribution Systems and Utility Interfaces. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 5673-5689	7.2	509

(2013-2013)

726	Single- and Three-Phase PHEV Onboard Battery Charger Using Small Link Capacitor. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 3136-3144	8.9	41
725	Review of Battery Charger Topologies, Charging Power Levels, and Infrastructure for Plug-In Electric and Hybrid Vehicles. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 2151-2169	7.2	1441
724	Suppression of Line Frequency Instabilities in PFC AC-DC Power Supplies by Feedback Notch Filtering the Pre-Regulator Output Voltage. 2013 , 60, 796-809		20
723	. IEEE Transactions on Power Electronics, 2013 , 28, 5728-5735	7.2	68
722	. IEEE Transactions on Power Electronics, 2013 , 28, 5437-5445	7.2	247
721	. IEEE Transactions on Industry Applications, 2013 , 49, 2636-2650	4.3	20
720	Isolated dual boost bridgeless power factor correction AC-DC converter. 2013,		О
719	Experimental verification and analysis of AC-DC converter with an input impedance matching for wireless power transfer systems. 2013 ,		3
718	A novel digital controller for boost PFC converter with high power factor and fast dynamic response. 2013 ,		
717	Power quality improved bridgeless converter based multiple output SMPS. 2013,		1
717 716	Power quality improved bridgeless converter based multiple output SMPS. 2013, . 2013,		4
716	. 2013, Design and implementation of a modified Sheppard-Taylor Power Factor Corrector operating in		4
716 715	. 2013, Design and implementation of a modified Sheppard-Taylor Power Factor Corrector operating in Discontinuous Capacitor Voltage Mode and very low output voltage level. 2013,		2
716 715 714	. 2013, Design and implementation of a modified Sheppard-Taylor Power Factor Corrector operating in Discontinuous Capacitor Voltage Mode and very low output voltage level. 2013, A PFC based switched-capacitor buck-boost converter fed BLDC motor drive. 2013,		4 4
716 715 714 713	. 2013, Design and implementation of a modified Sheppard-Taylor Power Factor Corrector operating in Discontinuous Capacitor Voltage Mode and very low output voltage level. 2013, A PFC based switched-capacitor buck-boost converter fed BLDC motor drive. 2013, . 2013, Fictive Axis Emulator-based state feedback vector current control for single-phase voltage source		4 4 3
716 715 714 713 712	. 2013, Design and implementation of a modified Sheppard-Taylor Power Factor Corrector operating in Discontinuous Capacitor Voltage Mode and very low output voltage level. 2013, A PFC based switched-capacitor buck-boost converter fed BLDC motor drive. 2013, . 2013, Fictive Axis Emulator-based state feedback vector current control for single-phase voltage source converters. 2013, New hybrid control technique to improve light load efficiency while meeting the hold-up time		4 2 4 3

708	An event-driven simulation methodology for integrated switching power supplies in SystemVerilog. 2013 ,	5
707	Research on Self-Drive of Critical Conduction Mode Power Factor Correction Converters Based on Charge Pump. 2013 , 694-697, 1430-1434	
706	Improved Power Quality IHQRR-BIFRED Converter Fed BLDC Motor Drive. 2013, 13, 256-263	5
705	Novel on-line parameter tuning method for digital-controlled boost PFC with transition current mode. 2013 ,	
704	A voltage-sensorless interleaved rectifier with PFC. 2013,	1
703	DICM and DCVM of a PFC-based SEPIC-fed PMBLDCM Drive. 2013 , 59, 141	9
702	Modeling, simulation and implementation of the single-phase unity power factor active rectifier for minimizing the input current harmonic distortions. 2013 ,	
701	. 2013,	4
700	A modular battery charger for electric vehicles. 2013,	4
699	Harmonic performance of heat-pumps. 2013 , 2013, 31-44	5
698	Review on Electrodynamic Energy Harvesters Classification Approach. 2013, 4, 168-196	70
697	Power factor correction in brushless DC motor drive using a boost-forward SSIPP. 2014 ,	1
696	A PFC based bridgeless Sheppard-Taylor converter fed brushless DC motor drive. 2014,	3
695	Behavioral characterization of electric vehicle charging loads in a distribution power grid through modeling of battery chargers. 2014 ,	7
694	Single-stage, single-phase, actic buckBoost converter for low-voltage applications. 2014 , 7, 2496-2505	7
693	. 2014,	1
692	Design, analysis and implementation of a buckBoost DC/DC converter. 2014 , 7, 2902-2913	43
691	A Modified Space Vector Modulation for Three-Phase Z-Source Integrated Charger. 2014 ,	O

690	Analysis and design of buck-boost converter for power quality improvement in high frequency on/off-line UPS system. 2014 ,	2
689	Analysis and design of non-isolated single phase AC/DC PFC topologies to drive LEDs. 2014,	1
688	A variable-frequency one-cycle control for BCM flyback converter to achieve unit power factor. 2014 ,	3
687	Design and experimental verification of on-board charger for electric vehicle. 2014,	3
686	Novel spectral characteristics of the electrical current waveform to quantifying power quality on LED lamps. 2014 ,	
685	Effect of dead times on the values of input current harmonics drawn from the grid by a voltage-source active rectifier. 2014 ,	О
684	Calculation of high frequency bearing currents of PWM inverter-fed VF induction motor. 2014,	1
683	A PFC Based BLDCM Drive for Low Power Household Appliances. 2014 , 24, 21-30	4
682	On-line DC-link voltage control of LLC resonant converter for server power applications. 2014 ,	7
681	A Review of Various Converter Topologies for SRM Drives. 2014 , 3, 113-128	О
680	A power quality improved bridgeless converter based computer power supply. 2014 ,	
679	Power factor correction in a brushless DC motor drive using an isolated-Luo converter. 2014 ,	2
678	Correlation of line current distortion, DC voltage ripple frequency and pulse number in six-pulse bridges cascaded multipulse rectifier topologies. 2014 ,	1
677	Studies on performance of Proportional Integral and Hysteresis Control in Current Control Loop for ACDC converter using SPMC fed PMDC Motor. 2014 ,	
676	Controlled rectifier five-level four-switch topology. 2014 ,	O
675	Power Quality: An Introduction. 2014, 1-10	1
674	Modular three-phase single-stage full-bridge converter for medium power SMPS. 2014 ,	1

672	. IEEE Transactions on Industry Applications, 2014 , 50, 2719-2727	4.3	6
671	Multiloop Interleaved Control for Three-Level Switch-Mode Rectifier in AC/DC Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 3210-3219	8.9	15
670	A single-phase integrated bidirectional plug-in hybrid electric vehicle battery charger. 2014 ,		5
669	A PFC based isolated Sheppard-Taylor converter feeding brushless DC motor drive. 2014,		2
668	Development of converter for low power battery charging with backup. 2014 ,		
667	A new soft switched boost PFC converter for special machines. 2014 ,		2
666	Comparative Analysis of Fixed Speed & Speed & Speed Response of PFC Zeta Converter Fed PMSM Drive Using PI Controller. 2014 , 573, 7-12		1
665	A unity power factor NI-BIBRED converter fed brushless DC motor drive. 2014 ,		1
664	Dual comparison one cycle control for single phase AC to DC converters. 2014,		1
663	A current mode control for a single phase full bridge Power Factor Compensator. 2014 ,		1
662	Comparison of current control methods for grid-connected low-power single-phase converters. 2014 ,		1
661	High-Performance Voltage-Fed ACDC Full-Bridge Single-Stage Power Factor Correctors with a Reduced DC Bus Capacitor. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 2680-2692	7.2	18
660	An Adjustable-Speed PFC Bridgeless Buck B oost Converter-Fed BLDC Motor Drive. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 2665-2677	8.9	95
659	Bidirectional Current Sensorless Control for the Full-Bridge AC/DC Converter With Considering Both Inductor Resistance and Conduction Voltages. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 2071-2082	7.2	23
658	A PFC-Based BLDC Motor Drive Using a Canonical Switching Cell Converter. 2014 , 10, 1207-1215		26
657	. 2014 , 63, 1117-1125		74
656	Design and Analysis of a Full-Bridge LLC-Based PEV Charger Optimized for Wide Battery Voltage Range. 2014 , 63, 1603-1613		142
655	A Novel Single-Phase Buck PFC ACDC Converter With Power Decoupling Capability Using an Active Buffer. <i>IEEE Transactions on Industry Applications</i> , 2014 , 50, 1905-1914	4.3	81

654	Buck converter-based power supply design for low power light emitting diode lamp lighting. 2014 , 7, 946-956	40
653	Generalized Technique of Compensating Low-Frequency Component of Load Current With a Parallel Bidirectional DC/DC Converter. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 5892-5904	31
652	Development of Zeta Converter for Permanent Magnet Brushless Direct Current Motor. 2014 , 573, 102-107	
651	Performance enhanced BLIL PFC boost converter for PHEV battery chargers. 2014 ,	1
650	Design of special DC-source with minimizing of its negative impact to the supply network. 2014 ,	
649	PV powered zeta converter fed BLDC drive. 2014 ,	11
648	Modified interleaved current sensorless control for three-level boost PFC converter with asymmetric loads. 2014 ,	2
647	Reduced sensor configuration of brushless DC motor drive using a power factor correction-based modified-zeta converter. 2014 , 7, 2322-2335	22
646	Three Phase Shunt Active Filter Interfacing Renewable Energy Source with Power Grid. 2014,	2
645	Design and Implementation of Sensorless Capacitor Voltage Balancing Control for Three-Level Boosting PFC. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 3808-3817	19
644	Boost Preregulators for Power Factor Correction in Single-Phase Rectifiers. 2014 , 503-533	1
643	Dynamic Analysis and State Feedback Voltage Control of Single-Phase Active Rectifiers With DC-Link Resonant Filters. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 5620-5633	31
642	Versatile unidirectional AC-DC converter with harmonic current and reactive power compensation for smart grid applications. 2014 ,	1
641	High Switches Utilization Single-Phase PWM Boost-Type PFC Rectifier Topologies Multiplying the Switching Frequency. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 5749-5760	12
640	A novel single-phase interleaved Bi-directional inverter for grid-connection control. 2014 ,	О
639	Control design of DSP based a bi-directional converter for electric vehicles applications. 2014,	
638	Optimal design and control of OBC-LDC integrated power unit for electric vehicles. 2014,	5
637	Sensorless converter for low-power LED lamp with improved power factor. 2014 ,	2

636 Digitally controlled boost PFC converters operating with large scale load fluctuations. **2014**, 20, 292-298

(land average control for heiderless DEC convertes without consist average 2014		
635	Input current control for bridgeless PFC converter without sensing current. 2014 ,		1
634	Solving Technical Problems on the Full-Bridge Single-Stage PFCs. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 2264-2277	8.9	15
633	An Improved Power Quality BIBRED Converter-Based VSI-Fed BLDC Motor Drive. 2014 , 15, 25-33		2
632	Single Power-Conversion ACDC Converter With High Power Factor and High Efficiency. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 4797-4806	7.2	18
631	Decoupling of fluctuating power in single-phase systems through a symmetrical half-bridge circuit. 2014 ,		11
630	Implementation of a novel PFC Cuk rectifier fed brushless DC motor drive. 2014,		
629	Compensation of three-phase diode rectifier with capacitive filter working under unbalanced supply conditions using series hybrid active power filter. 2014 , 7, 1566-1577		17
628	A Brushless DC Motor Drive With Power Factor Correction Using Isolated Zeta Converter. 2014 , 10, 206	4-207	2 22
627	SEPIC AC-DC converter for aircraft application. 2014 ,		3
626	Power conversion architecture for grid interface at high switching frequency. 2014,		12
625	New Hybrid Control Technique to Improve Light Load Efficiency While Meeting the Hold-up Time Requirement for Two-Stage Server Power. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 4763-4775	7.2	28
624	Power converter interfaces for electrochemical energy storage systems [A review. 2014 , 86, 453-475		144
623	Single stage soft switching ac/dc converter without any extra switch. 2014 , 7, 745-752		22
622	Fundamentals of Chargers. 2014 , 439-464		5
621	Control of a series input boost pre-regulator with unbalanced load. 2014 ,		1
620	Integrated motor drive and non-isolated battery charger based on the split-phase PM motors for plug-in vehicles. 2014 , 2014, 275-283		5
619	An active PFC boost converter topology for power factor correction. 2015 ,		9

618 Balanced control of multicell AC-DC converter with cascaded H-bridge cells. 2015,

617	. 2015,		1
616	Inductive drop compensation in one cycle controlled AC-DC active rectifiers. 2015,		
615	Single-phase non-isolated high power factor rectifier based on an interleaved DCM boost converter in a three-level configuration. 2015 ,		2
614	A new digital predictive control strategy for boost PFC converter. 2015 , 12, 20150726-20150726		3
613	Input switched high performance single phase single switch lik AC-DC converter. 2015 ,		O
612	Control of EV charging station based on three-phase three-level AC/DC rectifier. 2015,		1
611	A PFC modified-Landsman converter based PWM-Dimmable RGB HB-LED driver for large area projection applications. 2015 ,		3
610	Analysis of ground fault currents in isolated and non-isolated charging modules in electric vehicles. 2015 ,		6
609	Comparative analysis of custom power devices for power quality improvement in non-linear loads. 2015 ,		2
608	Landsman based PFC with PWM dimming for high brightness LED driver. 2015,		5
607	Evaluation of semiconductor losses and efficiency in single-phase multilevel multistate switching cells based PFC rectifiers. 2015 ,		1
606	Sensor Reduction in a PFC-Based Isolated BL-SEPIC Fed BLDC Motor Drive. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 347-362	0.2	
605	Modified Interleaved Current Sensorless Control for Three-Level Boost PFC Converter With Considering Voltage Imbalance and Zero-Crossing Current Distortion. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 6896-6904	8.9	27
604	Comprehensive review of high power factor ac-dc boost converters for PFC applications. 2015 , 102, 13	861-138	3112
603	Five-level T-type NPC PFC rectifier based on multistate switching cell. 2015 ,		2
602	High performance tiny capacitor development using MATLAB for harmonic elimination in symmetrical full bridge circuit. 2015 ,		
601	A high-power-density wide-input-voltage-range isolated dc-dc converter having a MultiTrack architecture. 2015 ,		11

600	Double-sided air gap control of module-based permanent magnet synchronous machine for low-speed and high-torque applications. 2015 ,		1
599	. 2015,		4
598	Power decoupling with autonomous reference generation for single-phase differential inverters. 2015 ,		12
597	A Review on Multilevel Converter Topologies for Electric Transportation Applications. 2015 ,		27
596	A bidirectional power flow controller for EVs to support the grid. 2015 ,		
595	Single-Phase Single-Switch Vienna Rectifier as Electric Vehicle PFC Battery Charger. 2015 ,		15
594	Component-based modelling of EV battery chargers. 2015,		7
593	Interleaving DC/DC converter-fed electric skateboard with power factor corrected charger. 2015,		
592	Experimental validation of a proposed single-phase five-level active rectifier operating with model predictive current control. 2015 ,		5
591	Model predictive control of a dual output seven-level rectifier. 2015,		11
591 590	Model predictive control of a dual output seven-level rectifier. 2015, . 2015,		11
			2
590	. 2015, Fuzzy logic controlled-power factor corrected bridgeless buck boost converter-fed brushless DC		
590 589	. 2015, Fuzzy logic controlled-power factor corrected bridgeless buck boost converter-fed brushless DC motor drive. 2015,		2
590 589 588	. 2015, Fuzzy logic controlled-power factor corrected bridgeless buck boost converter-fed brushless DC motor drive. 2015, An enhanced software tool to aid novices in learning Object Oriented Programming (OOP). 2015, Proposal of a modular three-phase SEPIC-DCM rectifier for small wind energy conversion systems.	8.9	2
590 589 588 587	. 2015, Fuzzy logic controlled-power factor corrected bridgeless buck boost converter-fed brushless DC motor drive. 2015, An enhanced software tool to aid novices in learning Object Oriented Programming (OOP). 2015, Proposal of a modular three-phase SEPIC-DCM rectifier for small wind energy conversion systems. 2015, A Unity Power Factor Bridgeless Isolated Cuk Converter-Fed Brushless DC Motor Drive. IEEE	8.9	2 1 8
590 589 588 587 586	. 2015, Fuzzy logic controlled-power factor corrected bridgeless buck boost converter-fed brushless DC motor drive. 2015, An enhanced software tool to aid novices in learning Object Oriented Programming (OOP). 2015, Proposal of a modular three-phase SEPIC-DCM rectifier for small wind energy conversion systems. 2015, A Unity Power Factor Bridgeless Isolated Cuk Converter-Fed Brushless DC Motor Drive. IEEE Transactions on Industrial Electronics, 2015, 62, 4118-4129 Improvement of Stability and Power Factor in PCM Controlled Boost PFC Converter With Hybrid	8.9	2 1 8 45

(2015-2015)

582	Power factor correction in switched mode power supply for computers using canonical switching cell converter. 2015 , 8, 234-244		16
581	High Efficiency Single Phase Switched Capacitor AC to DC Step Down Converter. 2015 , 195, 2527-2536		4
580	A review on electric vehicles interacting with renewable energy in smart grid. 2015, 51, 648-661		153
579	A new five-level buck-boost active rectifier. 2015 ,		20
578	Modeling and analysis of different control techniques of conductive battery chargers for electric vehicles applications. 2015 , 34, 151-172		3
577	Functional analysis and optimization of single-phase inverters through experimental tests. 2015,		
576	Power quality improvements in a zeta converter for brushless DC motor drives. 2015 , 9, 351-361		24
575	Stationary-frame-based generalized control diagram for PWM AC-DC front-end converters with unbalanced grid voltage in renewable energy systems. 2015 ,		3
574	A Simple Control Strategy Technique for a Single-phase Bridgeless Active Rectifier with High Power Factor and Voltage Stabilization Using Partial Digital Implementation. 2015 , 17-26		
573	. IEEE Transactions on Industrial Electronics, 2015 , 62, 3021-3032	8.9	235
572	Power Factor Corrected Zeta Converter Based Improved Power Quality Switched Mode Power Supply. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 5422-5433	8.9	46
571	Modified lik converter for high-performance power factor correction applications. 2015 , 8, 2058-2064		4
570	Constant on time controlled zero voltage switching electronic ballast with power quality improvement. 2015 , 8, 1710-1722		4
569	Review of Active Power Decoupling Topologies in Single-Phase Systems. <i>IEEE Transactions on Power Electronics</i> , 2015 , 1-1	7.2	194
568	An adjustable speed PFC bridgeless-SEPIC fed brushless DC motor drive. 2015 ,		10
567	A novel concept of unidirectional bridgeless combined boost-buck converter for EV battery chargers. 2015 ,		2
566	Sparse matrix converter: Modeling and PWM control. 2015,		0
565	Notice of Removal: Power factor correction of boost rectifiers based on 2-layer structure control. 2015 ,		

564	Five-level reduced-switch-count boost PFC rectifier with multicarrier PWM. 2015,		11
563	A Power Factor Corrected SMPS with Improved Power Quality for Welding Applications. 2015 , 16, 181-193		
562	A single-phase, zero-torque, drivetrain integrated on-board charger control method for plug-in hybrid and electric vehicles. 2015 ,		1
561	Performance analysis of Two Switch Buck Boost Converter fed DC motor. 2015 ,		1
560	Input-series and output-parallel connected single stage buck type modular ACDC converters with high-frequency isolation. 2015 , 8, 1295-1304		7
559	Soft-switching single stage isolated AC-DC converter for single-phase high power PFC applications. 2015 ,		5
558	Overview of the requirements and implementations of bidirectional isolated AC-DC converters for automotive battery charging applications. 2015 ,		16
557	A review of different DC/DC converters for power quality improvement in LED lighting load. 2015,		6
556	Reduced sensor configuration of a power factor correction based single-ended primary inductance converter fed brushless DC motor drive. 2015 , 8, 1606-1615		15
555	A unified active damping control for single-phase differential mode buck inverter with LCL-filter. 2015 ,		15
554	Two Switch Buck Boost converter for Power Factor correction. 2015,		5
553	PFC Bridgeless buck-boost converter-fed BLDC motor drive. 2015 ,		2
552	Analysis and Design of a High-Frequency Isolated Dual-Tank \$LCL\$ Resonant ACDC Converter. **IEEE Transactions on Industry Applications, 2015, 1-1** 43	}	2
551	Comparison of PWM and modified One Cycle Control for bridgeless zeta AC-DC converter. 2015,		O
550	Power decoupling method for single phase differential buck converter. 2015,		8
549	Impact analysis of vehicle-to-grid technology and charging strategies of electric vehicles on distribution networks [A review. 2015 , 277, 205-214		271
548	A Single-Phase Current-Source PV Inverter With Power Decoupling Capability Using an Active Buffer. <i>IEEE Transactions on Industry Applications</i> , 2015 , 51, 531-538	,	65
547	PFC Cuk Converter-Fed BLDC Motor Drive. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 871-887 7.2	2	59

(2016-2015)

546	Power Factor Correction With a Modified Sheppard Taylor Topology Operating in Discontinuous Capacitor Voltage Mode and Low Output Voltage. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2015 , 3, 430-439	5.6	5
545	Decoupling of Fluctuating Power in Single-Phase Systems Through a Symmetrical Half-Bridge Circuit. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 1855-1865	7.2	154
544	Design and real time implementation of single phase boost power factor correction converter. 2015 , 55, 267-74		22
543	A novel control method for series hybrid active power filter working under unbalanced supply conditions. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 64, 328-339	5.1	13
542	Improved-Power-Quality Bridgeless-Converter-Based Multiple-Output SMPS. <i>IEEE Transactions on Industry Applications</i> , 2015 , 51, 721-732	4.3	4
541	. IEEE Transactions on Industrial Electronics, 2015 , 62, 193-202	8.9	14
540	Power quality improvements in power factor correction Luo converter fed brushless direct current motor drive. 2015 , 25, 898-919		11
539	Power Factor Correction in Bridgeless-Luo Converter-Fed BLDC Motor Drive. <i>IEEE Transactions on Industry Applications</i> , 2015 , 51, 1179-1188	4.3	38
538	Three-Level Single-Phase Bridgeless PFC Rectifiers. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 2935-2949	7.2	30
537	. IEEE Transactions on Industrial Electronics, 2015 , 62, 172-183	8.9	34
536	Next Generation №olteclCharging System. 2016 ,		6
535	Electric Vehicle to Power Grid Integration Using Three-Phase Three-Level AC/DC Converter and PI-Fuzzy Controller. <i>Energies</i> , 2016 , 9, 532	3.1	34
534	Design and Optimization of an Efflient (96.1%) and Compact (2 kW/dm3) Bidirectional Isolated Single-Phase Dual Active Bridge AC-DC Converter. <i>Energies</i> , 2016 , 9, 799	3.1	7
533	Repetitive control-based single-phase bidirectional rectifier with enhanced performance. 2016 , 9, 1029-	-1036	17
F22	Current sensorless control for half-bridge based AC/DC PFC converter with consideration of		
532	conduction losses. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 2072-2084	2	4
531		2	2
	conduction losses. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 2072-2084	2	

528	Harmonic elimination in single phase supply with non linear loads using shunt active power filter controlled with fuzzy logic controller using simulation approach. 2016 ,	1
527	Non-cascading structure based Flyback-Forward converter with large duty ratio. 2016,	O
526	Improved efficiency coupled inductor-buck AC-DC light emitting diode (LED) driver. 2016 , 13, 20160626-	20160626
525	A single phase input switched SEPIC PFC AC-DC converter. 2016 ,	1
524	PWM techniques for a single-phase PFC bridgeless SEPIC rectifier. 2016 ,	
523	Z-source resonant converter with power factor correction for wireless power transfer applications. 2016 ,	1
522	Non-isolated single stage PFC based LED driver with THD minimization using Ck converter. 2016 ,	5
521	Improved power quality SEPIC converter fed series resonant inverter for induction heater. 2016,	1
520	Input switched single phase SEPIC controlled rectifier with improved performances. 2016,	О
519	A single phase SEPIC AC-DC Converter with improved power factor and input current THD. 2016 ,	О
518	An improved two-stage non-isolated converter for on-board plug-in hybrid EV battery charger. 2016 ,	10
517	Single-phase PFC converter using switched-capacitor for high voltage DC applications. 2016 ,	1
516	Power quality improvement using PFC SEPIC converter for LED bulb adaptable for universal input voltage. 2016 ,	1
515	Reactive power distribution strategy using power factor correction converters for smart home application. 2016 ,	3
514	Comparative analysis of Pulse Width Modulated Voltage Source Inverter fed induction motor drive and Matrix Converter fed induction motor drive. 2016 ,	
513	Bidirectional current source converter: Design, control and performance evaluation. 2016,	1
512	An improved power quality induction heater using zeta converter. 2016,	0
511	SEPIC PFC converter fed LED driver. 2016 ,	2

(2016-2016)

Single-phase/-switch voltage-doubler DCM SEPIC rectifier with high power factor and reduced voltage stress on the semiconductors. **2016**,

509	An EV battery charger based on PFC Sheppard Taylor Converter. 2016 ,		2
508	A review on PFC Cuk converter fed BLDC motor drive using artificial neural network. 2016,		3
507	Two switch three phase lik regulated rectifier. 2016 ,		
506	Comparison of cuk and buck converter fed electronically commuted motor drive. 2016,		1
505	Output regulated one-switch three-phase boost and boost-buck (SEPIC) PFC rectifiers. 2016 ,		1
504	Active power filter with direct output voltage control of single-phase AC to DC converter. 2016,		1
503	Current injection based front-end power quality improved converter for telecom load. 2016,		
502	Dual mode control strategy for BLDC motor drive with Bridgeless Canonical Switching Cell converter. 2016 ,		
501	Model predictive current control of a proposed single-switch three-level active rectifier applied to EV battery chargers. 2016 ,		7
500	Efficiency improvement method for two-stage server power by auto-tuning of bus voltage based upon new on-line switching frequency tracking technique. 2016 ,		
499	Comparisons of Cuk, SEPIC and Zeta converter performance for harmonics mitigation and PFC in BLDC speed control. 2016 ,		2
498	FLC-FPGA based digital controller for boost PFC SMPS without current measurement. 2016,		
497	Sensorless current rebuilding strategy in a single phase bridgeless PFC. 2016 ,		2
496	Hybrid bridgeless DCM SEPIC rectifier integrated with a modified switched capacitor cell. 2016 ,		1
495	DC to single-phase AC Voltage Source Inverter with power decoupling circuit based on flying capacitor topology for PV system. 2016 ,		9
494	. IEEE Transactions on Industry Applications, 2016 , 52, 3461-3471	4.3	35
493	A Novel Multilevel Multioutput Bidirectional Active Buck PFC Rectifier. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 5442-5450	8.9	50

492	. IEEE Transactions on Industrial Electronics, 2016 , 63, 5879-5890	8.9	35
491	Power quality improvement using bridgeless-Landsman converter for LED driver. 2016 , 9, 2591-2601		9
490	Bridgeless single-phase step-down PFC converter. 2016 , 9, 2631-2636		11
489	Solar Powered Variable Speed Power Factor Corrected BLDC Motor drive. 2016 ,		
488	An interleaved PFC converter based welding power supply with improved power quality. 2016,		1
487	Isolated DC-DC zero voltage switching converter for battery charging applications. 2016,		О
486	Three-phase reactive power control using one-cycle controller for wind energy conversion systems. 2016 ,		0
485	Power Quality Improvement in Induction Furnace by Harmonic Reduction Using Dynamic Voltage Restorer. 2016 , 17, 277-285		1
484	Power quality improved single-input dual-output boost converter with reduced components. 2016 ,		14
483	Improved power quality buck-boost converter fed LLC resonant converter for induction heater. 2016 ,		O
482	A comparative study on the performance of interleaved converters for EV battery charging. 2016 ,		5
481	. 2016,		3
480	Interleaved CSC converter-based power factor corrected switched mode power supply for arc welding. 2016 , 9, 2404-2415		10
479	Current-Based Resonant Power Delivery With Multi-Cycle Switching for Extended-Range Inductive Power Transmission. 2016 , 63, 1543-1552		32
478	A high-power wireless charging system development and integration for a Toyota RAV4 electric vehicle. 2016 ,		27
477	High-power-factor dimmable LED driver with low-frequency pulse-width modulation. 2016 , 9, 2139-21	46	9
476	Active power factor correction for rectifier using micro-controller. 2016,		2
475	Bridgeless Ilk converter fed BLDC motor drive for inverter air conditioning applications. 2016 ,		1

474	Non-linear control of a power-factor-correction rectifier with fast dynamic response. 2016 ,		1
473	. 2016,		1
472	Power quality improved SMPS using BL-CSC converter for welding applications. 2016 ,		O
47 ¹	On-chip AC-DC multiple-power-supplies module for transcutaneously powered wearable medical devices. 2016 ,		2
470	Non-cascading converter: Analysis, modeling and control. 2016 ,		
469	Zeta converter for power quality improvement for multi-string LED driver. 2016,		7
468	A novel control scheme for PMBLDC drives. 2016 ,		О
467	Cuk PFC converter for high brightness LED driver with brightness control. 2016 ,		4
466	Active damping of a 6th order 3LC output filter with state-feedback. 2016 ,		О
465	Sepic converter FED BLDC drive with closed loop speed control. 2016,		O
464	Power quality improvement in a vector controlled PMSM drive using non-isolated PFC zeta converter. 2016 ,		О
463	An Isolated Bidirectional Integrated Plug-in Hybrid Electric Vehicle Battery Charger with Resonant Converters. 2016 , 44, 1371-1383		6
462	Power converters modeling in Matlab/Simulink for microgrid simulations. 2016,		4
461	A Power Quality Improved Bridgeless Converter-Based Computer Power Supply. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 4385-4394	4.3	18
460	Active power compensation method for single-phase current source rectifier without extra active switches. 2016 , 9, 1719-1726		8
459	Design of ACDC PFC High-Order Converters With Regulated Output Current for Low-Power Applications. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 2012-2025	7.2	24
458	Combined Phase-Shift and Frequency Modulation of a Dual-Active-Bridge ACDC Converter With PFC. <i>IEEE Transactions on Power Electronics</i> , 2016 , 1-1	7.2	77
457	Electric vehicles charging using photovoltaic: Status and technological review. 2016 , 54, 34-47		115

456	Interleaved Digital Power Factor Correction Based on the Sliding-Mode Approach. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 4641-4653	7.2	49
455	Power Factor Corrected Welding Power Supply Using Modified Zeta Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2016 , 4, 617-625	5.6	18
454	Active Power Decoupling Method for Single-Phase Current-Source Rectifier With No Additional Active Switches. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 5644-5654	7.2	28
453	Current-sensorless control of an SPWM H-Bridge-based PFC rectifier designed considering voltage sag condition. 2016 , 130, 181-191		8
452	High-Efficiency Bidirectional DAB Inverter Using a Novel Hybrid Modulation for Stand-Alone Power Generating System With Low Input Voltage. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 4138-414	7 ^{7.2}	48
451	Behavioral Characterization of Electric Vehicle Charging Loads in a Distribution Power Grid Through Modeling of Battery Chargers. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 483-492	4.3	59
450	Improved Power-Quality-Based Welding Power Supply With Overcurrent Handling Capability. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 2850-2859	7.2	9
449	New ACDC Power Factor Correction Architecture Suitable for High-Frequency Operation. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 2937-2949	7.2	35
448	Multitrack Power Conversion Architecture. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 325-340	7.2	45
447	A Bidirectional Battery Charger With Modular Integrated Charge Equalization Circuit. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 2133-2145	7.2	75
446	Flexible Mode Bridgeless Boost PFC Rectifier With High Efficiency Over a Wide Range of Input Voltage. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 3513-3524	7.2	17
445	Family of Enhanced ZCS Single-Stage Single-Phase Isolated ACDC Converter for High-Power High-Voltage DC Supply. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 3629-3639	8.9	35
444	An Integrated Trap-LCL Filter With Reduced Current Harmonics for Grid-Connected Converters Under Weak Grid Conditions. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 8446-8457	7.2	43
443	Optimum Third Current Harmonic During Nondead Zone and Its Control Implementation to Improve PF for DCM Buck PFC Converter. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 9238-9248	7.2	10
442	Switch-mode rectifier fed switched-reluctance motor drive with dynamic commutation shifting using DC-link current. 2017 , 11, 640-652		7
441	. 2017,		6
440	Diode-bridge enclosed one switch three-phase power factor corrected (PFC) 🛭 k rectifier. 2017 ,		O
439	Three phase one switch modular-boost/vienna power factor corrected (PFC) rectifier. 2017 ,		3

 $438\,$ A novel bi-directional AC/DC converter used for Energy Storage Systems (ESSs). 2017,

437	High-frequency isolated ac-dc converter with stacked architecture. 2017 ,		4
436	Power quality analysis of a three phase ac-to-dc controlled converter. 2017,		2
435	Magnetic energy recovery switchBased power quality AC-DC converters. 2017 , 27, e2350		
434	A Control Method for Bridgeless Cuk/Sepic PFC Rectifier to Achieve Power Decoupling. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 7272-7276	8.9	35
433	An Isolated/Bidirectional PWM Resonant Converter for V2G(H) EV On-Board Charger. 2017 , 66, 7741-77	750	43
432	A Cost-Effective Zero-Voltage Switching Dual-Output LED Driver. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 7941-7953	7.2	9
431	Efficacy of hysteresis current control in the single-phase vienna rectifier topologies for improved power quality. 2017 ,		O
430	The hybrid photovoltaic energy system for electric vehicle battery charger. 2017,		2
429	A new two-stage converter with reduction of DC-link capacitor for plug-in electric vehicle battery charger. 2017 ,		4
428	A reduced component count single-stage electrolytic capacitor-less battery charger with sinusoidal charging. 2017 ,		10
427	A novel single-phase five-level active rectifier for on-board EV battery chargers. 2017 ,		3
426	DSP based current controlled single stage single phase integrated converter with external compensating signal for Class-C & Class-D appliances. 2017 , 4, 1311460		1
425	A novel high voltage gain single-phase AC-DC PFC converter using switched-capacitor. 2017 ,		4
424	On-board bidirectional battery chargers topologies for plug-in hybrid electric vehicles. 2017,		17
423	A novel topology for single phase active PFC circuit. 2017 ,		
422	. IEEE Transactions on Industrial Electronics, 2017 , 64, 866-872	8.9	2
421	High power factor and low total harmonics distortion using critical conduction mode boost converter f ed light-emitting diode driver. 2017 , 27, e2290		2

420	Improved Power Quality Bridgeless Converter-Based SMPS for Arc Welding. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 275-284	8.9	6
419	A Dual-Buck B oost AC/DC Converter for DC Nanogrid With Three Terminal Outputs. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 295-299	8.9	25
418	A Family of Single-Phase Voltage-Doubler High-Power-Factor SEPIC Rectifiers Operating in DCM. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 4279-4290	7.2	18
417	A rapid charging system with bi-directional power flow for plug-in hybrid electric vehicle. 2017 ,		1
416	Design of a transformer for high power density charger Œlectric vehicles application. 2017,		0
415	Improved power quality converter fed BLDC motor drive. 2017,		2
414	Five level ANPC converter applied as a single-phase shunt active power filter with features to limit and optimize the converter power rating. 2017 ,		
413	Single-phase PFC converter using modified multiplier SEPIC converter for high voltage DC applications. 2017 ,		4
412	Design and implementation of PFC Cuk converter fed SRM drive. 2017 , 10, 1539-1549		13
411	Single phase ACDC converter performance improvement with AC power ripple compensation controller. 2017 ,		О
410	One cycle controlled bridge-less SEPIC converter fed BLDC motor drive. 2017,		2
409	Boost PFC converter based on intelligent SM controller. 2017 ,		
408	PFC interleaved buck-boost converter for telecom power application. 2017,		11
407	Single-stage AC/DC converter based on sepic topology operating in continuous conduction mode. 2017 ,		2
406	High efficiency LC resonant boost topology: Analysis and design. 2017,		4
405	High power factor VSI fed induction motor drive. 2017,		
404	. 2017,		5
403	Methods and power converters for charging/formation of VRLA batteries. 2017,		1

402	. 2017,	3
401	High power factor and regulated output voltage for three-phase AC-DC converter using single-switch CUK converter. 2017 ,	O
400	Yehicle-to-grid technology assisted microgrid in Ghana: Opportunities and challenges. 2017,	
399	Grid-connected power converters with distributed virtual power system inertia. 2017,	23
398	. 2017,	2
397	A Comparative Study of Electric Vehicles Concerning Charging Infrastructure and Power Levels. 2017 ,	11
396	Multilayer and multiplex DPI control for a set of boost converters. 2017,	1
395	Modelling and simulation of current fed dc to dc converter for PHEV applications using renewable source. 2017 , 263, 052010	
394	Power quality improvement in front-end hybrid AC-DC converter based on current injection technique. 2017 ,	
393	Vector controlled PMSM drive with power factor correction using zeta converter. 2017,	1
392	Design and analysis of solar photovoltaic array fed modular full-bridge DC-DC converter for 12 kW SMPC. 2017 ,	
391	Third harmonic compensation in a single-phase H-bridge PFC. 2017 ,	1
390	FPGA based novel voltage balancing technique for series input boost pre-regulator. 2017,	
389	Harmonic compensation in ac distribution systems using smart electronic loads with PFC converters. 2017 ,	O
388	A PFC based BLDC motor drive using buck-boost and buck-boost buck converter. 2017 ,	1
387	Improved resettable integrator control for a bridgeless interleaved AC/DC converter. 2017 , 25, 3578-3590	1
386	Solar Photovoltaic Array fed Push-Pull Buck DC-DC Converter for Telecom Load. 2017,	О
385	Power Quality Improved Single-Stage Single-Switch Boost-Boost Power Converter With Wide Conversion Range. 2017 ,	

384	Modeling and development of a bridgeless PFC Boost rectifier. 2017 , 9-21		4
383	Single-phase bidirectional ac/dc converter for plug-in electric vehicles with reduced conduction losses. 2018 , 11, 140-148		18
382	Model based current mode control design and experimental validation for a (3phi) rectifier under unbalanced grid voltage conditions. 2018 , 6, 777-790		2
381	Assessment of electric vehicles concerning impacts, charging infrastructure with unidirectional and bidirectional chargers, and power flow comparisons. 2018 , 42, 3416-3441		36
380	A Multi-Functional Single-Stage Power Electronic Interface for Plug-In Electric Vehicles Application. 2018 , 46, 135-148		10
379	On-Chip ACDC Multiple-Power-Supplies Module for Transcutaneously Powered Wearable Medical Devices. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 1724-1736	4.3	1
378	Industrial Approach to Design a 2-kVa Inverter for Google Little Box Challenge. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 5539-5549	8.9	12
377	A Diode Bridge Rectifier With Improved Power Quality Using the Capacitive Network. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 1563-1572	4.3	2
376	Improved Power Quality Switched Inductor Cuk Converter for Battery Charging Applications. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 9412-9423	7.2	26
375	Predictive Control of a Series-Interleaved Multicell Three-Level Boost Power-Factor-Correction Converter. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 8948-8960	7.2	13
374	Digital Fuzzy Current Mode Controlled Integrated PFC Converter with External Ramp Compensation. <i>Journal of Circuits, Systems and Computers</i> , 2018 , 27, 1850147	0.9	4
373	Three-phase on-board charger with three modules of single-stage interleaved soft-switching AC-DC converter. 2018 ,		5
372	Power factor correction based Hybrid Resonance PWM fed BLDC drive. 2018,		3
371	Reducing the dc-Link Capacitance: A Bridgeless PFC Boost Rectifier That Reduces the Second-Order Power Ripple at the dc Output. 2018 , 24, 23-34		11
370	The Proposal of Isolated Single-Stage AC-DC Converter. 2018 , 204, 40-51		
369	Single-Phase PFC Converter Using Switched Capacitor for High Voltage DC Applications. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 2560-2567	4.3	10
368	Control Method for the Sheppard Taylor PFC Rectifier to Reduce Capacitance Requirements. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 2714-2722	7.2	6
367	Development of DC to Single-Phase AC Voltage Source Inverter With Active Power Decoupling Based on Flying Capacitor DC/DC Converter. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4992-500)4 ^{7.2}	37

(2018-2018)

366	Optimal Design of a Resonance-Based Voltage Boosting Rectifier for Wireless Power Transmission. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 1645-1654	8.9	12
365	An integrated battery charger configuration for SRM drive in electric motorcycles. 2018 , 13, 295-302		1
364	Single-Stage Wireless-Power-Transfer Resonant Converter With Boost Bridgeless Power-Factor-Correction Rectifier. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 2145-2155	8.9	35
363	A Single-Phase PFC Rectifier With Wide Output Voltage and Low-Frequency Ripple Power Decoupling. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 5076-5086	7.2	19
362	Development of a ZVT-PWM Buck Cascaded Buck B oost PFC Converter of 2 kW With the Widest Range of Input Voltage. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 2090-2099	8.9	27
361	Single-Phase Hybrid Switched-Capacitor Voltage-Doubler SEPIC PFC Rectifiers. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 5118-5130	7.2	14
360	A 500-kHz, 3.3-kW Power Factor Correction Circuit With Low-Loss Auxiliary ZVT Circuit. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4783-4795	7.2	13
359	Interleaved Landsman Converter Fed EV Battery Charger with Power Factor Correction. 2018,		4
358	A Comprehensive Review of Integrated Charger for on-Board Battery Charging Applications of Electric Vehicles. 2018 ,		2
357	Investigations on Single-Phasing Effect of Zigzag Autoconfigured Transformer Based 12-Pulse Rectifier. 2018 ,		2
356	Improved Dual Battery Charging System for Grid Connected Bi-directional EV Charger. 2018,		О
355	Power quality improvement in BLDC motor drive using Bridgeless Modified Cuk converter. 2018,		O
354	A Power Quality Improved EV Charger with Bridgeless Cuk Converter. 2018,		2
353	A Flexible Control Scheme for Single-Stage DAB AC/DC Converters. 2018,		3
352	An Improved Control Scheme for Single-Phase Buck-Type Differential Rectifier with Low DC Voltage Ripple and AC Current Distortion. 2018 ,		
351	A Novel Five-Level Semi-Bridgeless Power Factor Correction Topology. 2018,		О
350	Lyapunov Controlled Boost PFC Converter Using D-Q Coordinate Transformation. 2018,		3
349	Experimental Validation of a Buck Converter in Discontinuous Conduction Mode with Power Factor Correction. 2018 ,		О

348 Analysis of Single-Phase High Power Factor SEPIC Rectifiers with Split-Capacitor Output. **2018**,

347	Improved Power Control Strategy of Single-Phase CHFL Converter for V2G Applications. 2018,	
346	Single-Phase AC-DC Buck PFC Converter Based on Flying-Capacitor Topology with Active Power Decoupling Control. 2018 ,	2
345	. 2018,	1
344	A Novel Control Strategy Based on Predictive Control for a Bidirectional Interleaved Three-Phase Converter. 2018 ,	0
343	Grid Connected Renewable Energy Based EV Charger with Bidirectional AC/DC Converter. 2018,	2
342	Optimal Control Scheme for Single-Stage Dual-Active-Bridge AC-DC Converter. 2018,	10
341	Steady State Analysis of High Gain Interleaved Boost Converter at Different Operating Regions. 2018 ,	1
340	A Power Factor Corrected Electric Vehicle Battery Charger Using Boost Converter. 2018,	1
339	An Electric Vehicle Battery Charger with Interleaved PFC Cuk Converter. 2018,	1
338	Power Quality Enhancement in AC-DC Converter Using Voltage Sensorless Control Technique. 2018	
337	A Variable DC Link Voltage in On-board Battery Chargers for Electric Vehicle Charging Application. 2018 ,	2
336	A Novel Double-Line-Frequency Ripple Suppression Method for Single Phase DC-AC Converter Based on Three-Level Topology. 2018 ,	0
335	Notice of Violation of IEEE Publication Principles: Power Factor Correction in Z-Source Resonant Converter for Wireless Power Transfer Applications. 2018 ,	
334	Power-Factor-Correction with Power Decoupling for AC-to-DC Converter. 2018,	0
333	Pfc Based Current Converter Fed Bldc Motor Drive. 2018 ,	
332	Achieving High Input PF for CRM Buck-Buck/Boost PFC Converter. <i>IEEE Access</i> , 2018 , 6, 79082-79093 3.5	4
331	Isolated Single Stage AC-DC Converter Topologies with Regenerative Snubber Circuit for EV Application. 2018 ,	2

330	Modeling and Stability Analysis of Three-Phase PWM Rectifier. 2018,	3
329	Automation of Integrated System for Grain Beverages Processing. 2018,	
328	Design and Analysis of Negative Output Luo Converter for Power Quality Enhancement. 2018,	3
327	A Single-Stage ZVS AC-DC Boost Converter with Interleaving. 2018,	O
326	Novel Sinusoidal Input Current Single-to-Three-Phase Z-Source Buck+Boost AC/AC Converter. 2018,	1
325	. 2018,	5
324	Design and analysis of variable switching frequency controlled integrated switched mode power converter for class C & class D appliances. 2018 , 9, 2849-2858	2
323	A Novel Fixed Switching Frequency Control Strategy Applied to an Improved Five-Level Active Rectifier. 2018 ,	
322	A Novel Single-Phase Bidirectional Nine-Level Converter Employing Four Quadrant Switches. 2018,	0
321	Active Waveshaping Techniques for Power-Quality Improvements in AC Drives. 2018, 151-191	
320	Investigation for Improved Power Quality in Hysteresis Current Controlled Three-Phase Four-Wire Vienna Rectifier Topologies. 2018 ,	1
319	Feasibility Study on Using Electrical Home Appliances for Distributed Reactive Power Support. 2018	2
318	. 2018,	15
317	Minimisation of Torque Ripple and Power Factor Correction of Low Cost BLDC Motor drive. 2018,	O
316	. 2018,	1
315	A design investigation of A 1 MVA SiC medium voltage three phase rectifier based on isolated dual active bridge. 2018 ,	1
314	Power rectifier based on open-end converter with floating capacitor under non-sinusoidal and unbalanced input. 2018 ,	
313	Application of Vienna Converter to a double-driven SRMs under one PFC compensator. 2018,	5

312	Power hardware-in-the-loop test of the energy feedback device in urban rail transportation system. 2018 ,		1
311	Modelling, Analysis and Performance Evaluation of Power Conversion Unit in G2V/V2G Application Review. <i>Energies</i> , 2018 , 11, 1082	3.1	18
310	Fundamentals of Power Electronics Controlled Electric Propulsion. 2018, 1023-1065		11
309	Power Quality Improvement in Utility Interactive Based ACDC Converter Using Harmonic Current Injection Technique. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 5355-5366	4.3	3
308	Modeling and Control of Single-Phase AC/DC Converters. 2018 , 93-115		3
307	A novel two-switch three-level active rectifier for grid-connected electrical appliances in smart grids. 2018 ,		1
306	SiC-MOSFET based single phase AC to DC PWM converter. 2018 ,		
305	. 2018,		1
304	Power factor correction using Boost converter operating in CCM for front-end AC to DC conversion. 2018 ,		2
303	Design and Development of Modified BL Luo Converter for PQ Improvement in EV Charger. 2019 ,		3
302	A Power-Factor-Corrected LLC Resonant Converter for Electric Vehicle Charger Using Cuk Converter. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 6278-6286	4.3	23
301	A Modified Bridgeless Cuk Converter based EV Charger with Improved Power Quality. 2019 ,		2
300	Design and Implementation of 6kW Boost PFC Topology in Discontinuous Current Mode. 2019 ,		О
299	DC-Link Voltage Disturbance Rejection Strategy of PWM Rectifiers Based on Reduced-Order LESO. <i>IEEE Access</i> , 2019 , 7, 103693-103705	3.5	5
298	Mitigating Line Frequency Instability of Boost PFC Converter Under Proportional Outer-Voltage Loop With Additional Third Current-Harmonic Feedforward Compensation. 2019 , 66, 4528-4541		3
297	Experimental evaluation of active power factor correction techniques in a single-phase AC-DC boost converter. <i>International Journal of Circuit Theory and Applications</i> , 2019 , 47, 1529-1553	2	10
296	Intelligent control of high energy efficient two-stage battery charger topology for electric vehicles. 2019 , 186, 115825		10
295	A performance comparison between bridgeless AC-DC Cuk and Sepic converter. 2019,		

294	Sequential Switch Association in an N-Stage Interleaved Boost Converter for High Efficiency AC-DC Conversion. 2019 ,	Ο
293	Single-phase hybrid discontinuous conduction mode SEPIC rectifiers integrated with ladder-type switched-capacitor cells. 2019 , 12, 2832-2842	1
292	Sliding Mode Control of an Innovative Single-Switch Three-Level Active Rectifier. 2019,	О
291	Soft-Start Circuit in Wireless Power Transmission System. 2019 ,	O
290	Analysis of a Modified Interleaved Non-Isolated Cuk Converter with wide range of load Variation and reduced Ripple content. 2019 ,	4
289	Power factor correction and power quality improvement in BLDC motor drive using SEPIC converter. 2019 ,	3
288	Literature Review of 3.3kW On Board Charger Topologies. 2019 ,	2
287	UPF-isolated zeta converter-based battery charger for electric vehicle. 2019 , 9, 103-112	10
286	A critical review on wireless charging for electric vehicles. 2019 , 104, 209-234	95
285	Current-Sensorless Power Factor Correction With Predictive Controllers. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 891-900	9
284	A Power Quality Improved EV Charger With Bridgeless Cuk Converter. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 5190-5203	18
283	Modified dual buckBoost AC/DC converter with self-balanced DC output voltages. 2019 , 12, 1170-1178	4
282	Analysis and Design of an Interleaved Single-Stage ZVS AC-DC Boost Converter. 2019,	
281	Battery Characterization and Dimensioning Approaches for Micro-Grid Systems. <i>Energies</i> , 2019 , 12, 1305 _{3.1}	10
280	An Improved Single-Stage PFC ACDC Power Supply. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 8283-8288	1
279	Robust Control Strategy Design for Single-Phase Grid-Connected Converters Under System Perturbations. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8892-8901	14
278	Near-Unity Power Factor, Voltage Step-Up/Down Conversion Pulse-Width Modulated Switching Rectification for Wireless Power Transfer Receiver. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 10960-10969	5
277	H5+ Converter: A Bidirectional ACDC Converter With DC-Fault-Blocking and Self-Pre-Charge Capabilities. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 10619-10634	3

276	Implementation of zero current switch turn-ON based buck-boost-buck type rectifier for low power applications. 2019 , 106, 1164-1183		2
275	. IEEE Transactions on Power Electronics, 2019 , 34, 10759-10775	7.2	8
274	One-Cycle Controlled Bridgeless SEPIC with Coupled Inductors for PAM Control-Based BLDC Drive. 2019 , 44, 6987-7001		3
273	Comparative Analysis between SEPIC and Cuk Converter for Power Factor Correction. 2019,		О
272	Non Isolated Low Cost Single Stage Buck-Boost AC to DC Converter. 2019,		
271	A CCM/DCM Hybrid Control Scheme for Single Channel Boost PFC Converter to Improve Power Quality. 2019 ,		1
270	A Comparative Study on PFC Bridgeless Flyback and SEPIC AC-DC Rectifiers Operating in DCM and BCM. 2019 ,		2
269	Boost Power Factor Correction Converter fed Domestic Induction Heating System. 2019 ,		
268	CUK Converter Based Power Factor Correction with PI and Fuzzy Logic Controller. 2019,		
267	Source Conditioning of AC-DC Cuk Converter Using PFC Control Technique. 2019,		
266	Power Factor Pre-regulation in Interleaved Luo Converter Fed Electric Vehicle Battery Charger. 2019 ,		2
265	Diode Bridge Rectifier with low THD for Weak Grids. 2019 ,		
264	Design & Development of On-Board DC Fast Chargers for E-Rickshaw. 2019 ,		3
263	Design and development of single phase ACDC discontinuous conduction mode modified bridgeless positive output Luo converter for power quality improvement. 2019 , 12, 2722-2730		12
262	A New Buck-Boost AC/DC Converter with Two-Terminal Output Voltage for DC Nano-Grid. <i>Energies</i> , 2019 , 12, 3808	3.1	1
261	Multi Voltage Magnitude DC Micro Grid System with Renewable Energy Interconnection for Optimal Power Consumption of Loads. 2019 ,		
260	High-Power-Density GaN-Based Single-Phase Online Uninterruptible Power Supply. 2019 ,		1
259	Power Factor Correction in EV Charger with Bridgeless Zeta-SEPIC Converter. 2019 ,		4

258	Low Frequency Finite Set Model Predictive Control for Seven-Level Modified Packed U-Cell Rectifier. 2019 ,		11
257	An Improved SEPIC PFC Converter for Electric Vehicle Battery Charger. 2019,		5
256	An Unidirectional Single-Phase Improved Power Supply Quality with Double Boost Effect Topology. 2019 ,		
255	Modified single-switch bridgeless PFC SEPIC structure by eliminating circulating current and power quality improvement. 2019 , 12, 3792-3801		2
254	A New AC/DC Half-Bridge/String-Inverter Hybrid-Structured Isolated Bi-directional Converter. 2019		1
253	An Universal On-board Battery Charger with Wide Output Voltage Range for Electric Transportation. 2019 ,		4
252	On the Inertia of Future More-Electronics Power Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 2130-2146	5.6	163
251	Predictive ZVS Control With Improved ZVS Time Margin and Limited Variable Frequency Range for a 99% Efficient, 130-W/in3 MHz GaN Totem-Pole PFC Rectifier. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7079-7091	7.2	33
250	An Isolated Power Factor Corrected Power Supply Utilizing the Transformer Leakage Inductance. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 6468-6477	7.2	2
249	Computationally efficient modeling for assessing the energy efficiency of electric drivetrains using convex formulations. 2019 , 32, e2275		O
248	A Coupled-Inductor-Based Buck B oost AC D C Converter With Balanced DC Output Voltages. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 151-159	7.2	11
247	A Highly Efficient Coupled-Inductor SEPIC Topology Based PFC DCDC Converter for Low Power LED Lighting Systems. 2019 , 36, 94-105		1
246	False Load Attack to Smart Meters by Synchronously Switching Power Circuits. 2019 , 10, 2641-2649		8
245	An Efficient Single-Stage Based Power Electronic Interface for Plug-in Electric Vehicles. 2020 , 37, 169-1	79	1
244	Constant Switching Frequency Control for CRM Buck PFC Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 4223-4234	5.6	
243	Improving Dynamic Performance of Boost PFC Converter Using Current-Harmonic Feedforward Compensation in Synchronous Reference Frame. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 4857-4866	8.9	11
242	1-kW Boost-type PFC Using a Low-Voltage Series Pass Module for Input Current Shaping. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 7596-7611	7.2	1
241	. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020 , 8, 567-577	5.6	9

240	Investigations on Open-Circuit Faults of Zigzag Autoconfigured Transformer-Based 12-Pulse Rectifier. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 1599-1608	4.3	1
239	An improved power quality modified DC-DC converter fed PMBLDC motor drive system for household applications. 2020 , 31, e12620		O
238	Implementation and Performance Analysis of 5-Level Multilevel Converter using Arduino. 2020,		
237	Power Quality Improvement in Induction Heating System Using Vienna Rectifier Based on Hysteresis Controller. 2020 , 48, 892-905		1
236	Smart Power Electronics B ased Solutions to Interface Solar-Photovoltaics (PV), Smart Grid, and Electrified Transportation: State-of-the-Art and Future Prospects. 2020 , 10, 4988		2
235	A 1MHz Class-E2 Single-Stage PFC Converter with Frequency Control. 2020 ,		3
234	Single-Phase Active-Clamped Isolated SEPIC PFC Converter with Partial Power Processing Output Stage. 2020 ,		О
233	Time Dependency of Current Harmonics for Switch-Mode Power Supplies. 2020 , 10, 7806		4
232	An Improved Power Quality Charger for Electric Vehicle with Cuk PFC Converter. 2020,		О
231	Overview and Comparative Assessment of Single-Phase Power Converter Topologies of Inductive Wireless Charging Systems. <i>Energies</i> , 2020 , 13, 2150	3.1	6
230	A High Power Factor Battery Charger for Electric Vehicle using Canonical Switching Cell Converter. 2020 ,		
229	A Power Factor Corrected Resonant EV Charger Using Reduced Sensor Based Bridgeless Boost PFC Converter. 2020 ,		2
228	Integration of wind power generation through an enhanced instantaneous power theory. 2020 , 2, 196-	206	13
227	Enhancement of Power Quality Using Luo AC-DC Non Isolated Converter Fed BLDC Motor Drive for Medical Applications. 2020 ,		
226	A Zero-voltage, Zero-current Transition Boost Cascaded-by-Buck PFC Converter for Universal E-Transportation Charging Applications. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 1-1	5.6	2
225	Control of Single-Phase Electrolytic Capacitor-Less Isolated Converter for DC Low Voltage Residential Networks. <i>Electronics (Switzerland)</i> , 2020 , 9, 1401	2.6	2
224	Indirect Vector-Controlled Brushless Doubly-Fed Twin-Stator Induction Generator for Wind Energy Conversion Application. <i>Energies</i> , 2020 , 13, 4174	3.1	О
223	Design and Modelling of a CSC Converter with a variable DC link voltage to drive a Brushless DC Motor Drive. 2020 ,		O

(2021-2020)

222	Review of Positive and Negative Impacts of Electric Vehicles Charging on Electric Power Systems. <i>Energies</i> , 2020 , 13, 4675	3.1	33
221	Analysis and Design of a Single-Stage Bridgeless Isolated AC-DC Resonant Converter for Programmable AC Power Source Applications. <i>IEEE Access</i> , 2020 , 8, 219071-219082	3.5	1
220	A Review on Power Electronics Technologies for Electric Mobility. <i>Energies</i> , 2020 , 13, 6343	3.1	7
219	Study on composite Control of Three-phase three-level Vienna rectifier. 2020 , 558, 052008		
218	Power Quality Improvement of BLDC Motor Drive using Cuk PFC Converter. 2020,		1
217	Interleaved Landsman Converter Fed EV Battery Charger With Power Factor Correction. <i>IEEE Transactions on Industry Applications</i> , 2020 , 1-1	4.3	11
216	Design and Development of Modified BL Luo Converter for PQ Improvement in EV Charger. <i>IEEE Transactions on Industry Applications</i> , 2020 , 1-1	4.3	6
215	Performance analysis of Buck-Boost and Cuk converter-fed brushless DC motor drives. 2020 , 24, 1865-	1873	2
214	Single-Phase Reactive Power Compensation Control for STATCOMs via Unknown System Dynamics Estimation. 2020 , 2020, 1-9		3
213	Improved Power Quality Charger Based on Bridgeless Canonical Switching Cell Converter for a Light Electric Vehicle. 2020 ,		1
212	Improved Modulation Method for Full-Bridge AC-DC HF-Link Converter. 2020,		2
211	A Wide Output Voltage Resonant EV Charger With Power Factor Correction. 2020 ,		O
210	Analysis and design of single-stage, two-mode AC/DC converters for on-board battery charging applications. 2020 , 13, 830-843		4
209	Integration of High Penetrations of Intermittent Renewable Generation in Future Electricity Networks Using Storage. 2020 , 649-668		
208	Deployment of a Bidirectional MW-Level Electric-Vehicle Extreme Fast Charging Station Enabled by High-Voltage SiC and Intelligent Control. <i>Energies</i> , 2020 , 13, 1840	3.1	1
207	Investigation on Operating Characteristics in Three Level Full Bridge ACDC Converter using Different Control Strategies for Telecom. 2020 , 15, 1217-1230		О
206	Control Design and Performance Analysis of a Double-Switched LLC Resonant Rectifier for Unity Power Factor and Soft-Switching. <i>IEEE Access</i> , 2020 , 8, 44511-44521	3.5	12
205	Active Power Decoupling Control for Single-Phase Current Source Rectifier Based on Emulating LC Resonator. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 5460-5465	8.9	8

204	An Improved Single Stage Phase Shifted Control Based ACDC PFC Converter for Wireless Applications. 2021 , 117, 2853-2864		O
203	Estimation of inverter voltage disturbances for induction machine drive using LPV observer with convex optimization. 2021 , 184, 196-209		3
202	Single-Phase to Three-Phase Electrolytic Capacitor-Less Dual Inverter-Fed IPMSM for Suppress Torque Pulsation. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 6537-6546	8.9	2
201	A Comprehensive Review of DC Fast-Charging Stations With Energy Storage: Architectures, Power Converters, and Analysis. 2021 , 7, 345-368		35
200	Unidirectional Asymmetric Hybrid Nine-Leg Rectifier With Floating H-Bridge Capacitors. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 1578-1590	7.2	4
199	Efficiency evaluation of a bridgeless totem-pole power factor correction rectifier using GaN and insulated gate bipolar transistor devices for battery charger. <i>International Journal of Circuit Theory and Applications</i> , 2021 , 49, 1133-1146	2	2
198	Harmonic Reduction Methods at DC Side of Parallel-Connected Multipulse Rectifiers: A Review. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 2768-2782	7.2	13
197	Full Digital Control of an All-Si On-Board Charger Operating in Discontinuous Conduction Mode. <i>Electronics (Switzerland)</i> , 2021 , 10, 203	2.6	5
196	Winding Resistance Measurement in Power Inductors - Understanding the Impact of the Winding Mutual Resistance. <i>IEEE Access</i> , 2021 , 9, 92224-92238	3.5	3
195	Machine Learning Aided Optimization Framework for Design of Medium-Voltage Grid-Connected Solid-State-Transformers. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	8
194	. IEEE Access, 2021 , 9, 46664-46673	3.5	3
193	A High-Efficiency Isolated PFC AC-DC Topology with Reduced Number of Semiconductor Devices. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	1
192	Design and Sizing of Photovoltaic Power Systems. 2021 , 61-113		
191	A Power Factor Corrected Resonant EV Charger Using Reduced Sensor Based Bridgeless Boost PFC Converter. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	1
190	A Novel Circuit for Battery Charging and Motor Control of Electric Vehicle. 2021,		O
189	Toward a holistic approach for energy efficient buildings. 2021 , 129-193		O
188	An Interleaved PFC Boost Converter with Soft Commutations and Voltage Follower Characteristics. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
187	A Review of Bidirectional On-Board Chargers for Electric Vehicles. <i>IEEE Access</i> , 2021 , 9, 51501-51518	3.5	26

186	A Comprehensive Review on Structural Topologies, Power Levels, Energy Storage Systems, and Standards for Electric Vehicle Charging Stations and Their Impacts on Grid. <i>IEEE Access</i> , 2021 , 9, 128069	9-₹2⁄80	94 ⁶
185	A New Discrete Four Quadrant Control Technique for Grid-Connected Full-Bridge ACDC Converters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	1
184	Power Quality Enhancement in Single Stage Non-inverted Output Bridgeless Buck B oost Converter. 2021 , 191-201		
183	Optimal Switching Frequency Variation Range Control for Critical Conduction Mode Boost Power Factor Correction Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 1197-1209	8.9	4
182	Bidirectional integrated on-board chargers for electric vehicles review. 2021, 46, 1		4
181	Power Factor Correction With Single Stage AC-DC Non-Isolated Zeta Converter Fed SRM Drive. 2021 ,		O
180	A High Power EV Charger based on Modified Bridgeless LUO Converter for Electric Vehicle. 2021,		1
179	Performance and Analysis of PI and Fuzzy Controlled Zeta Converter Fed in PMBLDC Motor Drive. 2021 ,		O
178	Electric Vehicle Charger Static and Dynamic Modelling for Power System Studies. <i>Energies</i> , 2021 , 14, 1801	3.1	3
177	Micro-hydro generator fed frequency adaptive sliding mode controlled air conditioning system for remote and hilly areas. 2021 , 15, 1498-1514		
176	Single-Phase Five-Level Bridgeless Rectifier for On-Board Electric Vehicle Chargers. 2021 ,		
175	Enabling Terminal-Side Intelligence for Smart Meters: Design and Applications. 2021,		О
174	Voltage Balancing Control for Four-Switch Three-Phase Active Front-End Rectifier. 2021,		
173	Phase shift control and controller area network assisted proportional resonant control for grid integration of single phase voltage source inverters. 2021 , 14, 1371-1383		1
172	Power Factor Preregulation in Interleaved Luo Converter-Fed Electric Vehicle Battery Charger. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 2870-2882	4.3	8
171	Fast Transient Harmonic Selective Extraction Based on Modulation-CDSC-SDFT. 2021 ,		1
170	A Multiport EV-Fleet Charging Station Based on Modular Multilevel Converter. 2021,		
169	Efficiency Assessment of BLDC type Solar Water Pumping System fed by Photovoltaic and Grid. 2021 ,		О

168	A Novel Hybrid LDC Converter Topology for the Integrated On-Board Charger of Electric Vehicles. <i>Energies</i> , 2021 , 14, 3603	3.1	1
167	. IEEE Transactions on Power Electronics, 2021 , 36, 6572-6585	7.2	3
166	Two-Switch Zeta-Based Single-Phase Rectifier With Inherent Power Decoupling And No Extra Buffer Circuit. 2021 ,		0
165	High-frequency single-switch PFC with frequency-modulation controlled class-E2 converter. 2021 , 14, 1806-1819		1
164	Design and Implementation of Improved High Step-Down DC-DC Converter for Electric Vehicles. <i>Energies</i> , 2021 , 14, 4206	3.1	1
163	Improved Power Quality Transformerless Single-Stage Bridgeless Converter Based Charger for Light Electric Vehicles. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 7716-7724	7.2	5
162	Implementation of BL-PFC Converter Fed BLDC Motor Drive for Application less than 800 W. 2021 , 1166, 012036		
161	A Comprehensive Survey on Different Control Strategies and Applications of Active Power Filters for Power Quality Improvement. <i>Energies</i> , 2021 , 14, 4589	3.1	11
160	PV-based Grid Interactive PMBLDC Electric Vehicle with High Gain Interleaved DC-DC SEPIC Converter. 1-15		1
159	PFC Single-Phase AC/DC Boost Converters: Bridge, Semi-Bridgeless, and Bridgeless Topologies. 2021 , 11, 7651		1
158	Design and Testing of SMPS in Accordance with IEC 61000-4-11 Standard with Measurement Uncertainty. 1		
157	Endpoint Use Efficiency Comparison for AC and DC Power Distribution in Commercial Buildings. <i>Energies</i> , 2021 , 14, 5863	3.1	O
156	Model Predictive Control of a Single-Phase Five-Level VIENNA Rectifier. 2021,		O
155	An Adaptive Method for DC Current Reduction in Totem Pole Power Factor Correction Converters. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 11900-11909	7.2	5
154	Evaluation of Performance Characteristics of a Switched-Capacitor Buck-Boost PFC Converter-Fed Sensorless BLDCM Drive. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 17-29	0.2	
153	Mitigation of Current Distortion for GaN-Based CRM Totem-Pole PFC Rectifier With ZVS Control. 2021 , 2, 290-303		1
152	Analysis of Modulation and Optimal Design Methodology for Half-Bridge Matrix-Based Dual-Active-Bridge (MB-DAB) AC-DC Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	10
151	On-board electric vehicle battery charger with improved power quality and reduced switching stress. 2020 , 13, 2885-2894		4

150	A Review on Impact Analysis of Electric Vehicle Charging on Power Distribution Systems. 2020,	5
149	Modular Power Supply for Micro Resistance Welding. 2017 , 12, 20-26	3
148	Digital Controller for Single-Phase DCM Boost PFC Converter with High Power Factor over Wide Input Voltage and Load Range. 2014 , E97.C, 377-385	2
147	Rapid design and implementation of AC-DC converter-based dsPIC blockset using differential evolution algorithm. 2013 , 59, 239	2
146	Analysis, Design, and Implementation of a Single-Phase Power-Factor Corrected AC-DC Zeta Converter with High Frequency Isolation. 2008 , 3, 243-253	7
145	Direct Single-stage Power Converter with Power Factor Improvement for Switched Mode Power Supply. 2010 , 5, 468-476	9
144	Battery Charging System for PHEV and EV using Single Phase AC/DC PWM Buck Converter. 2012 , 7, 736-744	5
143	A Single-Phase Current-Source Bidirectional Converter for V2G Applications. 2014 , 14, 458-467	9
142	A High-Efficiency Bidirectional AC/DC Topology for V2G Applications. 2014 , 14, 899-907	3
141	On the Minimum DC Link Capacitance in Practical PFC Rectifiers Considering THD Requirements and Load Transients. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	3
140	An Integrated Driving/Charging 4-Phase Switched Reluctance Motor Drive with Reduced Current Sensors for Electric Vehicle Application. <i>IEEE Journal of Emerging and Selected Topics in Power</i> 5.6 Electronics, 2021 , 1-1	0
139	More and Faster Energy Transfer Capability for Battery Chargers of Electric Vehicles. 2021,	1
138	Unidirectional Onboard Battery Charging for Electric Vehicle using Interleaved Luo Converter. 2021	
137	Embedded Controlled Single Switch Parallel Resonant Converter for Induction Heating. 2009 , 2, 27-32	
136	Switched Inductor Z-Source AC-DC Converter. 2012 , 1, 67-76	
135	Effects of Imperfect Sinusoidal Input Currents on the Performance of a Boost PFC Pre-Regulator. 2012 , 12, 689-698	2
134	Development of Buck PFC AC-DC Converter using an Active Buffer. 2013 , 133, 188-195	1
133	Integrating Smart PHEVs in Future Smart Grid. 2014 , 239-258	2

Single Power-conversion AC-DC Converter with High Power Factor. **2014**, 19, 23-30

131	Active Power Factor Correction Using Hysteresis Current Control of Boost Converter. 2014 , 14, 1648-1652	
130	Embedded Based PFC Converter for an Air Conditioner with BLDC Motor. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 631-641	
129	Input Impedance and Current Feedforward Control of Single-Phase Boost PFC Converters. 2015 , 15, 577-586	4
128	A Novel Control Scheme to Reduce Storage Capacitor of Flyback PFC Converter. 2016 , 100-105	
127	Single-Power-Conversion Series-Resonant AC-DC Converter with High Efficiency. 2016 , 21, 224-230	
126	Impedance Networks and Their Matching. 2018 , 37-43	
125	Design and implementation of current fed DC-DC converter for PHEV application using renewable source. 2017 , 263, 052011	
124	Rapid-Charging Solution for 18650 Cylindrical Lithium-Ion Battery Packs for Forklifts. 2018 , 9, 184-194	О
123	Fuzzy and PID Controllers for Buck-Boost Converter Fed Bridgeless BLDC Motor over Cloud. 2019 , 1328-1337	, o
122	Design and Implementation of High Power LED Lighting System for Health Care Applications. 2019 , 14, 31-37	2
121	An Air Conditioning System with Power Quality Improvement. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 1193-1201	O
120	Power Factor Corrected SEPIC and Cuk Converter Comparison. 2020, 299-312	
119	NEGATIVE INFLUENCE MINIMIZATION OF ASYNCHRONOUS MOTORSISTART-UP CURRENTS ON THE MODE PARAMETERS OF THE "WEAK" ELECTRIC NETWORK. 2020 , 2020, 31-39	O
118	Yenilenebilir Enerji Kaynaklar⊞a Dayal⊞ir Sistemde GlKalitesi Analizi, Kontrollve ⊠lemesi.	O
117	Stability of the Equilibrium Position in Pulse Stabilizers with Pulse Width Modulation. 2021 ,	
116	Reduced switch z-source multilevel inverter using constant boost control methods for renewable energy sources. 2020 , 1706, 012104	1
115	Improved Bridgeless Buck-Boost Converter Fed PMBLDC Motor Drive. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 489-498	

114	Comparative Analysis of Power Factor Correction Converters for Different Topologies. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 409-420	0.2	
113	BR FAZLI DGM DORULTUCU N LCL FÜTRE TASARIMI VE AKTE GIKONTROLÜ 2020 , 8, 745-756		
112	Exploiting buckBoost duality in dual active bridge modular multilevel converters to achieve high DC step ratios. 2021 , 6, 495-513		
111	Comparative Analysis of Single phase Bridgeless Buck Rectifier and Single phase Multilevel Buck Rectifier. 2020 ,		O
110	Harmonic Reduction and Performance Improvement of BLDC Motor Using a Selective Harmonic Elimination PWM Based Controller. 2020 ,		О
109	EV Battery Charging with Input Power Factor Correction Using a Buck B oost Converter. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 647-659	0.2	O
108	Average Current-Controlled SEPIC Converter with High Power Factor Correction. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 451-463	0.2	О
107	Output Voltage Regulated CUK and SEPIC Converter with High Input Power Factor. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 785-799	0.2	
106	Power Factor Corrected Cuk Converter with PI and Fuzzy Logic Controller. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 1035-1047	0.2	
105	ANN Based Model-Free Sliding Mode Control for Grid-Connected Compact Multilevel Converters: An Experimental Validation. 2021 ,		
104	On-board power quality charger for electric vehicles with minimized switching stresses. <i>Electrical Engineering</i> , 1	1.5	О
103	Design, Simulation and Analysis of Single Phase AC to DC Cuk Converter Fed Led Applications. 2020 , 49-56		
102	Single Phase AC to DC Isolated ZETA Power Factor Correction Converter fed LED drives. 2020 , 73-80		
101	Fuzzy-Controlled Power Factor Correction Using Single Ended Primary Inductance Converter. 2021 , 589	9-600	
100	Grid-frequency Vienna rectifier and isolated current-source DC-DC converters for efficient off-board charging of electric vehicles. 2020 ,		3
99	Voltage-controlled power factor corrected CSC derived DCDC converter for PMBLDC driven home appliances. 2020 , 13, 3407-3418		3
98	. 2020,		2
97	A Modified-Zeta Converter based Onboard Battery Charging with Improved THD. 2021 ,		

96 About the Distorting Regime Induced by an Electronic Induction Heating System. **2021**,

95	Input AC Voltage Sensorless Control Method for Single-Phase PFC Converter Using Frequency Estimator. 2021 ,		
94	A Novel Closed-Form Analytical Model for Zero-Voltage Switching (ZVS) operation of a Totem Pole PFC with Hysteresis Current Control. 2021 ,		1
93	Unity Power Factor Control using Interleaved Boost Converter for Induction Motor Drive. 2021,		O
92	Continuous Control Set Model Predictive Control of a Bridgeless-Boost Three-Level Active Rectifier. 2021 ,		
91	Input Power Quality Control of Integrated On-Board Charger with Reduced DC-link Capacitance. 2021 ,		O
90	Reinforcement learning-based control of improved hybrid current modulated dual active bridge AC/DC converter. <i>Neural Computing and Applications</i> , 1	4.8	
89	A DSP-based implementation of fuzzy logic and predictive current control for a Sheppard Taylor power factor correction converter. <i>International Journal of Circuit Theory and Applications</i> ,	2	O
88	Electric vehicle attack impact on power grid operation. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 107784	5.1	4
87	Compact and Efficient Way of LSEV Charging. Studies in Infrastructure and Control, 2022, 113-121		
86	Isolated High-Frequency Link PFC Rectifier with High Step-Down Factor and Reduced Energy Circulation. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , 2021 , 1-1	2.6	1
85	Selection of PI+Notch Voltage Controller Coefficients to Attain Desired Steady-State and Transient Performance in PFC Rectifiers. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	2
84	Bridgeless Isolated Positive Output Luo Converter Based High Power Factor Single Stage Charging Solution for Light Electric Vehicles. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	2
83	Improved Modulation for Packed E-Cell Converter. 2020,		
82	Improved Power Quality Charging System Based on High Step Down Gain Bridgeless SEPIC APFC for Light Electric Vehicles. 2020 ,		2
81	Optimal Design of Integrated Planar Inductor for a Hybrid Totem-Pole PFC Converter. 2020 ,		О
80	Design and Implementation of Modified MERS Based PFC Approach Applied to Multi-Port SMPS. 2020 ,		
79	High-Efficiency Single Phase Passive LC3 Component AC-DC Buck-Boost Converter. 2020 ,		

(2021-2020)

78	Renewable Source DCMicrogrid Connected BLDC Water Pumping System with Adaptive Control Techniques. 2020 ,		1
77	A Single-phase Voltage Source Inverter With Lower-Voltage-Rated Capacitor and Ripple Power Decoupling Function. 2020 ,		
76	Multi-Dimension Harmonic Current Feedforward Compensation Control of AC-DC PFC Converter. 2020 ,		1
75	A Cost-Effective Controlled-Type ZVS Technique for GaN-Based Totem-Pole PFC rectifier. 2020 ,		О
74	Dual-Input Single-Stage Isolated Charger for Light Electric Vehicles. 2021 ,		1
73	A New Single-Phase AC-DC lik Converter. 2021 ,		
72	Dual-Inverter Topology for Single-Phase Supplied Drive Systems without Electrolytic Capacitor. 2021 ,		
71	A Dual-Function Power Decoupling Circuit for Single-Stage Grid-Connected PV Inverter. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	О
70	Design and implementation of modified Type-III Bridgeless Cuk LED driver for smart lighting applications. <i>Electrical Engineering</i> , 1	1.5	1
69	Review on State-of-the-Art Unidirectional Non-Isolated Power Factor Correction Converters for Short-/Long-Distance Electric Vehicles. <i>IEEE Access</i> , 2022 , 10, 11308-11340	3.5	4
68	Novel Motor-Kinetic-Energy-Based Power Pulsation Buffer Concept for Single-Phase-Input Electrolytic-Capacitor-Less Motor-Integrated Inverter System. <i>Electronics (Switzerland)</i> , 2022 , 11, 280	2.6	О
67	Current Hysteresis Control of a Single Phase Integrated Battery Charger With Active Power Decoupling. 2022 ,		О
66	An Adaptive Multi-Resonant Current Controller for a Single-Phase Grid-Tied Converter With Grid Disturbance Rejection Capability. <i>IEEE Access</i> , 2022 , 10, 28053-28065	3.5	1
65	Power Electronics for Renewable Energy Systems. 2022 , 327-362		
64	A PFC Scheme for the Inverse Watkins Johnson Converter for Polarity Reversible Buck Boost DC Output Voltage. <i>Journal of Circuits, Systems and Computers</i> ,	0.9	
63	A High-Power-Density High-Efficiency Soft-Switched Single-Phase Universal Input to 28-V Isolated ACDC Converter Module Designed for Paralleled Operation. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 8262-8280	7.2	1
62	Analysis and Implementation of Boost PFC for Aircraft Power Supply. 2021,		
61	Bi-Directional Isolated EV Charger with Reduced Switch Count and DC-link Capacitance. 2021 ,		О

60	A Review on Power Electronics Technologies for Power Quality Improvement. <i>Energies</i> , 2021 , 14, 8585	3.1	6
59	A Quasi-Direct Buck-Boost Fuzzy Controlled Rectifier for Rapid Charging of Electric Vehicle Battery. Lecture Notes in Electrical Engineering, 2022 , 481-492	0.2	
58	A Compact Single-Phase AC-DC Wireless-Power-Transfer Converter with Active Power Factor Correction. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	3
57	Performance Evaluation of Si/SiC Hybrid Switch-Based Three-Level Active Neutral-Point-Clamped Inverter. <i>IEEE Open Journal of Industry Applications</i> , 2022 , 1-1	4.7	O
56	Superior usage of the Bidirectional Isolated Series-Resonant AC/DC Converter. 2021,		
55	A Bidirectional Five-Level Buck PFC Rectifier With Wide Output Range for EV Charging Application. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-17	7.2	3
54	An Overview of Converter Topologies and Their Derivations and Interrelationships. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022 , 1-1	5.6	
53	Application Oriented SEPIC Converter with Improved Voltage Gain for Electric Vehicle Battery Charger. 2022 ,		O
52	T-type Buck-Boost PFC Rectifier in Continuous Conduction Mode. 2022,		
51	T-type Buck-Boost PFC Rectifier in Discontinuous Conduction Mode. 2022,		
51 50	T-type Buck-Boost PFC Rectifier in Discontinuous Conduction Mode. 2022, A Two-Stage Interleaved Bridgeless SEPIC based PFC Converter for Electric Vehicle Charging Application. 2022,		
	A Two-Stage Interleaved Bridgeless SEPIC based PFC Converter for Electric Vehicle Charging		1
50	A Two-Stage Interleaved Bridgeless SEPIC based PFC Converter for Electric Vehicle Charging Application. 2022, Review of Solid-State Transformer Applications on Electric Vehicle DC Ultra-Fast Charging Station.		1 0
50 49	A Two-Stage Interleaved Bridgeless SEPIC based PFC Converter for Electric Vehicle Charging Application. 2022, Review of Solid-State Transformer Applications on Electric Vehicle DC Ultra-Fast Charging Station. 2022, 15, 5602 Overview of Single-Stage High-Frequency Isolated AC-DC Converters and Modulation Strategies.		
50 49 48	A Two-Stage Interleaved Bridgeless SEPIC based PFC Converter for Electric Vehicle Charging Application. 2022, Review of Solid-State Transformer Applications on Electric Vehicle DC Ultra-Fast Charging Station. 2022, 15, 5602 Overview of Single-Stage High-Frequency Isolated AC-DC Converters and Modulation Strategies. 2022, 1-16 A Single-Stage Charger for LEV Application based on Quadratic Buck-Boost Converter Topology.		0
50 49 48 47	A Two-Stage Interleaved Bridgeless SEPIC based PFC Converter for Electric Vehicle Charging Application. 2022, Review of Solid-State Transformer Applications on Electric Vehicle DC Ultra-Fast Charging Station. 2022, 15, 5602 Overview of Single-Stage High-Frequency Isolated AC-DC Converters and Modulation Strategies. 2022, 1-16 A Single-Stage Charger for LEV Application based on Quadratic Buck-Boost Converter Topology. 2022,		0
50 49 48 47 46	A Two-Stage Interleaved Bridgeless SEPIC based PFC Converter for Electric Vehicle Charging Application. 2022, Review of Solid-State Transformer Applications on Electric Vehicle DC Ultra-Fast Charging Station. 2022, 15, 5602 Overview of Single-Stage High-Frequency Isolated AC-DC Converters and Modulation Strategies. 2022, 1-16 A Single-Stage Charger for LEV Application based on Quadratic Buck-Boost Converter Topology. 2022, Comparison of PFC Converter Topology for Electric Vehicle Battery Charger Application. 2022, Implementation of a High Power Quality BLDC Motor Drive Using Bridgeless DC to DC Converter		0 1 0

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