

Ka Wai Eric Cheng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8433394/publications.pdf>

Version: 2024-02-01

174
papers

4,725
citations

147566

31
h-index

110170

64
g-index

174
all docs

174
docs citations

174
times ranked

3205
citing authors

#	ARTICLE	IF	CITATIONS
1	Battery-Management System (BMS) and SOC Development for Electrical Vehicles. IEEE Transactions on Vehicular Technology, 2011, 60, 76-88.	3.9	478
2	A Step-Up Switched-Capacitor Multilevel Inverter With Self-Voltage Balancing. IEEE Transactions on Industrial Electronics, 2014, 61, 6672-6680.	5.2	354
3	Zero-Current Switching Switched-Capacitor Zero-Voltage-Gap Automatic Equalization System for Series Battery String. IEEE Transactions on Power Electronics, 2012, 27, 3234-3242.	5.4	330
4	Optimization and Evaluation of Torque-Sharing Functions for Torque Ripple Minimization in Switched Reluctance Motor Drives. IEEE Transactions on Power Electronics, 2009, 24, 2076-2090.	5.4	287
5	Multi-Objective Optimization Design of In-Wheel Switched Reluctance Motors in Electric Vehicles. IEEE Transactions on Industrial Electronics, 2010, 57, 2980-2987.	5.2	253
6	A Cascaded Multilevel Inverter Based on Switched-Capacitor for High-Frequency AC Power Distribution System. IEEE Transactions on Power Electronics, 2014, 29, 4219-4230.	5.4	233
7	Quadratic boost converter with low buffer capacitor stress. IET Power Electronics, 2014, 7, 1162-1170.	1.5	153
8	Optimal Control Method of Motoring Operation for SRM Drives in Electric Vehicles. IEEE Transactions on Vehicular Technology, 2010, 59, 1191-1204.	3.9	106
9	Multi-Input Switched-Capacitor Multilevel Inverter for High-Frequency AC Power Distribution. IEEE Transactions on Power Electronics, 2018, 33, 5937-5948.	5.4	90
10	A High Step-up PWM DC-DC Converter With Coupled-Inductor and Resonant Switched-Capacitor. IEEE Transactions on Power Electronics, 2017, 32, 7739-7749.	5.4	89
11	Self-Balanced 13-Level Inverter Based on Switched Capacitor and Hybrid PWM Algorithm. IEEE Transactions on Industrial Electronics, 2021, 68, 4827-4837.	5.2	73
12	Systematic Approach to High-Power and Energy-Efficient Industrial Induction Cooker System: Circuit Design, Control Strategy, and Prototype Evaluation. IEEE Transactions on Power Electronics, 2011, 26, 3754-3765.	5.4	70
13	A survey of distributed power system — AC versus DC distributed power system. , 2011, , .		69
14	Multi-Input voltage-summation converter based on switched-capacitor. IET Power Electronics, 2013, 6, 1909-1916.	1.5	67
15	Design of a New Enhanced Torque In-Wheel Switched Reluctance Motor With Divided Teeth for Electric Vehicles. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	65
16	Analysis and Design of Zero-Current Switching Switched-Capacitor Cell Balancing Circuit for Series-Connected Battery/Supercapacitor. IEEE Transactions on Vehicular Technology, 2018, 67, 948-955.	3.9	63
17	A Family of Single-Stage Switched-Capacitor-Inductor PWM Converters. IEEE Transactions on Power Electronics, 2013, 28, 5196-5205.	5.4	58
18	Family of Multiport Switched-Capacitor Multilevel Inverters for High-Frequency AC Power Distribution. IEEE Transactions on Power Electronics, 2019, 34, 4407-4422.	5.4	52

#	ARTICLE	IF	CITATIONS
19	A Family of Dual-Phase-Combined Zero-Current Switching Switched-Capacitor Converters. IEEE Transactions on Power Electronics, 2014, 29, 4209-4218.	5.4	47
20	Self-Balanced Switched-Capacitor Thirteen-Level Inverters With Reduced Capacitors Count. IEEE Transactions on Industrial Electronics, 2022, 69, 1070-1076.	5.2	46
21	Active Suspension System Based on Linear Switched Reluctance Actuator and Control Schemes. IEEE Transactions on Vehicular Technology, 2013, 62, 562-572.	3.9	45
22	Deformation and Noise Mitigation for the Linear Switched Reluctance Motor With Skewed Teeth Structure. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	45
23	Design and Analysis of a New Enhanced Torque Hybrid Switched Reluctance Motor. IEEE Transactions on Energy Conversion, 2018, 33, 1965-1977.	3.7	43
24	Switched Reluctance Generators with Hybrid Magnetic Paths for Wind Power Generation. IEEE Transactions on Magnetics, 2012, 48, 3863-3866.	1.2	42
25	Level-Shifting Multiple-Input Switched-Capacitor Voltage Copier. IEEE Transactions on Power Electronics, 2012, 27, 828-837.	5.4	42
26	An Automatic Switched-Capacitor Cell Balancing Circuit for Series-Connected Battery Strings. Energies, 2016, 9, 138.	1.6	42
27	Generalized Topology of a Hybrid Switched-Capacitor Multilevel Inverter for High-Frequency AC Power Distribution. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 2886-2897.	3.7	41
28	Longitudinal and Transversal End-Effects Analysis of Linear Switched Reluctance Motor. IEEE Transactions on Magnetics, 2011, 47, 3979-3982.	1.2	40
29	Static performance and parasitic analysis of tapped-inductor converters. IET Power Electronics, 2014, 7, 366-375.	1.5	37
30	Distribution System Planning Considering Stochastic EV Penetration and V2G Behavior. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 149-158.	4.7	36
31	A Flexible Load-Independent Multi-Output Wireless Power Transfer System Based on Cascaded Double T-Resonant Circuits: Analysis, Design and Experimental Verification. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 2803-2812.	3.5	35
32	Duality approach to the study of switched-inductor power converters and its higher-order variations. IET Power Electronics, 2015, 8, 489-496.	1.5	34
33	A Unified Phase-Shift Modulation for Optimized Synchronization of Parallel Resonant Inverters in High Frequency Power System. IEEE Transactions on Industrial Electronics, 2014, 61, 3232-3247.	5.2	33
34	Calculations of Eddy Current, Fluid, and Thermal Fields in an Air Insulated Bus Duct System. IEEE Transactions on Magnetics, 2007, 43, 1433-1436.	1.2	31
35	Trigonometry-Based Numerical Method to Compute Nonlinear Magnetic Characteristics in Switched Reluctance Motors. IEEE Transactions on Magnetics, 2007, 43, 1845-1848.	1.2	31
36	Analysis and Optimization of Switched Capacitor Power Conversion Circuits With Parasitic Resistances and Inductances. IEEE Transactions on Power Electronics, 2017, 32, 2018-2028.	5.4	31

#	ARTICLE	IF	CITATIONS
37	Series-Parallel Switched-Capacitor Balancing Circuit for Hybrid Source Package. IEEE Access, 2018, 6, 34254-34261.	2.6	30
38	Implementation of a Voltage Multiplier Integrated HID Ballast Circuit With Dimming Control for Automotive Application. IEEE Transactions on Industrial Electronics, 2009, 56, 2479-2492.	5.2	28
39	Sensorless position estimation of switched reluctance motor at startup using quadratic polynomial regression. IET Electric Power Applications, 2013, 7, 618-626.	1.1	28
40	Single-switch single-inductor multi-output pulse width modulation converters based on optimised switched-capacitor. IET Power Electronics, 2015, 8, 2168-2175.	1.5	28
41	Review of charge equalization schemes for Li-ion battery and super-capacitor energy storage systems. , 2014, , .		27
42	Model, Analysis, and Application of Tubular Linear Switched Reluctance Actuator for Linear Compressors. IEEE Transactions on Industrial Electronics, 2018, 65, 9863-9872.	5.2	27
43	Adaptive sliding mode technique-based electromagnetic suspension system with linear switched reluctance actuator. IET Electric Power Applications, 2015, 9, 50-59.	1.1	26
44	Design and Control of a Decoupled Rotary-Linear Switched Reluctance Motor. IEEE Transactions on Energy Conversion, 2018, 33, 1363-1371.	3.7	25
45	Direct Voltage Control for Grid Synchronization of Doubly-fed Induction Generators. Electric Power Components and Systems, 2008, 36, 960-976.	1.0	24
46	Predictive Control of Power Electronics Converters in Renewable Energy Systems. Energies, 2017, 10, 515.	1.6	23
47	Control and Integrated Half Bridge to Winding Circuit Development for Switched Reluctance Motors. IEEE Transactions on Industrial Informatics, 2014, 10, 109-116.	7.2	22
48	Cost-Effective and Compact Multistring LED Driver Based on a Three-Coil Wireless Power Transfer System. IEEE Transactions on Power Electronics, 2019, 34, 7156-7160.	5.4	22
49	Single-Switch Multichannel Current-Balancing LED Drive Circuits Based on Optimized SC Techniques. IEEE Transactions on Industrial Electronics, 2015, 62, 4761-4768.	5.2	21
50	Online and Offline Rotary Regression Analysis of Torque Estimator for Switched Reluctance Motor Drives. IEEE Transactions on Energy Conversion, 2007, 22, 810-818.	3.7	20
51	Fuzzy Sliding Mode Wheel Slip Ratio Control for Smart Vehicle Anti-Lock Braking System. Energies, 2019, 12, 2501.	1.6	20
52	Multicoils Design for Induction Cookers With Applying Switched Exciting Method. IEEE Transactions on Magnetics, 2012, 48, 4503-4506.	1.2	19
53	Direct Instantaneous Force Control With Improved Efficiency for Four-Quadrant Operation of Linear Switched Reluctance Actuator in Active Suspension System. IEEE Transactions on Vehicular Technology, 2012, 61, 1567-1576.	3.9	19
54	Study of art of automotive active suspensions. , 2011, , .		18

#	ARTICLE	IF	CITATIONS
55	<i>α</i> -based robust controller design of LCLC resonant inverter for high-frequency power distribution system. IET Power Electronics, 2013, 6, 652-662.	1.5	18
56	Floating solar cell power generation, power flow design and its connection and distribution. , 2017, , .		18
57	A Special Magnetic Coupler Structure for Three-Coil Wireless Power Transfer: Analysis, Design, and Experimental Verification. IEEE Transactions on Magnetics, 2021, 57, 1-8.	1.2	18
58	Study on Magnetic Materials Used in Power Transformer and Inductor. , 2006, , .		17
59	A Position Stepping Method for Predicting Performances of Switched Reluctance Motor Drives. IEEE Transactions on Energy Conversion, 2007, 22, 839-847.	3.7	17
60	Research on a novel switched reluctance generator for wind power generation. , 2011, , .		17
61	Multi-Area Self-Adaptive Pricing Control in Smart City With EV User Participation. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2156-2164.	4.7	17
62	Hybrid Energy Storage System with Vehicle Body Integrated Super-Capacitor and Li-Ion Battery: Model, Design and Implementation, for Distributed Energy Storage. Energies, 2021, 14, 6553.	1.6	17
63	Analysis, Design, and Validation of a Decoupled Double-Receiver Wireless Power Transfer System With Constant Voltage Outputs for Industrial Power Supplies. IEEE Transactions on Industrial Informatics, 2023, 19, 362-370.	7.2	17
64	Temperature and Safety Profiles of Needle-Warming Techniques in Acupuncture and Moxibustion. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-6.	0.5	16
65	A hybrid multilevel inverter employing series-parallel switched-capacitor unit. , 2017, , .		16
66	Thermal Impacts of Electromagnetic Proximity Effects in Induction Cooking System With Distributed Planar Multicoils. IEEE Transactions on Magnetics, 2011, 47, 3212-3215.	1.2	15
67	A Modular Concept Development for Resonant Soft-Charging Step-Up Switched-Capacitor Multilevel Inverter for High-Frequency AC Distribution and Applications. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5975-5985.	3.7	15
68	Zero emission solar-powered boat development. , 2017, , .		14
69	Modeling of basic DC-DC converters. , 2017, , .		14
70	Non-Equal Voltage Cell Balancing for Battery and Super-Capacitor Source Package Management System Using Tapped Inductor Techniques. Energies, 2018, 11, 1037.	1.6	14
71	A Series of New Control Methods for Single-Phase Z-Source Inverters and the Optimized Operation. IEEE Access, 2019, 7, 113786-113800.	2.6	14
72	Stability Improvement and Overshoot Damping of SS-Compensated EV Wireless Charging Systems With User-End Buck Converters. IEEE Transactions on Vehicular Technology, 2022, 71, 8354-8366.	3.9	14

#	ARTICLE	IF	CITATIONS
73	Simulation of Switched Reluctance Motor Based on a Combination of Circuit-oriented and Signal-oriented Approaches Using Matlab/SimPowerSystems. Electric Power Components and Systems, 2007, 35, 205-219.	1.0	13
74	Direct Torque Control of a Doubly-fed Induction Generator with Space Vector Modulation. Electric Power Components and Systems, 2008, 36, 1337-1350.	1.0	13
75	A Novel Approach to the Analysis of the Axial-Flux Permanent-Magnet Generator With Coreless Stator Supplying a Rectifier Load. IEEE Transactions on Magnetics, 2011, 47, 2391-2394.	1.2	13
76	A seven level switched capacitor multilevel inverter with asymmetric input sources for microgrids. , 2017, , .		12
77	Wireless power transfer technology for electric iron based on multi-coils induction heating design. IET Power Electronics, 2019, 12, 2566-2577.	1.5	12
78	An Improved and Integrated Design of Segmented Dynamic Wireless Power Transfer for Electric Vehicles. Energies, 2021, 14, 1975.	1.6	12
79	An Efficient Tabu Search Algorithm for Robust Solutions of Electromagnetic Design Problems. IEEE Transactions on Magnetics, 2008, 44, 1042-1045.	1.2	11
80	New power sharing scheme with correlation control for input-parallel-output-series-based interleaved resonant inverters. IET Power Electronics, 2014, 7, 1266-1277.	1.5	11
81	A novel switched-capacitor multilevel inverter offering modularity in design. , 2018, , .		11
82	Investigation of multiple output operation for switched-capacitor resonant converters. International Journal of Circuit Theory and Applications, 2002, 30, 411-423.	1.3	10
83	Improvement of Power Factor in Switched Reluctance Motor Drives Through Optimizing the Switching Angles. Electric Power Components and Systems, 2004, 32, 1225-1238.	1.0	10
84	Design and application of intelligent control system for greenhouse environment. , 2017, , .		10
85	Multi-Port Zero-Current Switching Switched-Capacitor Converters for Battery Management Applications. Energies, 2018, 11, 1934.	1.6	10
86	Stability Improvement of Dynamic EV Wireless Charging System with Receiver-Side Control Considering Coupling Disturbance. Electronics (Switzerland), 2021, 10, 1639.	1.8	10
87	A Dual-Receiver Inductive Charging System for Automated Guided Vehicles. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	10
88	Analysis and design of a cost effective converter for switched reluctance motor drives using component sharing. , 2011, , .		9
89	Design of a contactless power charger for a functional jacket. International Journal of Circuit Theory and Applications, 2013, 41, 669-681.	1.3	8
90	Centralized Regulation Scheme for a Parallel-Mode Switched-Capacitor Converter System With Simple Unit Commitment. IEEE Transactions on Industrial Electronics, 2017, 64, 6149-6158.	5.2	8

#	ARTICLE	IF	CITATIONS
91	Remote Hardware Controlled Experiment Virtual Laboratory for Undergraduate Teaching in Power Electronics. Education Sciences, 2019, 9, 222.	1.4	8
92	A Current Allocation Strategy Based Balancing Technique of Voltage Source String in Switch-Ladder Inverter and Its Switched-Capacitor Variety. IEEE Transactions on Energy Conversion, 2021, 36, 1081-1089.	3.7	8
93	Four-Wheel Anti-Lock Braking System With Robust Adaptation Under Complex Road Conditions. IEEE Transactions on Vehicular Technology, 2021, 70, 292-302.	3.9	8
94	A Fast Self-Positioning-Based Optimal Frequency Control for Inductive Wireless Power Transfer Systems Without Communication. IEEE Transactions on Industrial Electronics, 2023, 70, 334-343.	5.2	8
95	Hybrid energy storage system and associated converters examination for DC distribution. , 2013, , .		7
96	The study on the busbar system and its fault analysis. , 2013, , .		7
97	A Valley-Fill Driver With Current Balancing for Parallel LED Strings Used for High-Frequency AC Power Distribution of Vehicle. IEEE Transactions on Transportation Electrification, 2017, 3, 180-190.	5.3	7
98	Polymer-bonded NiZn ferrite magnetic cores mixed with titanium (IV) isopropoxide (C ₁₂ H ₂₈ O ₄ Ti). Journal of Applied Physics, 2011, 109, 07A514.	1.1	6
99	Study on the performance and control of linear compressor for household refrigerators. , 2013, , .		6
100	Forecast of urban EV charging load and smart control concerning uncertainties. , 2016, , .		6
101	Performance prediction of light electric vehicles powered by body-integrated super-capacitors. , 2016, , .		6
102	Loss analysis of hybrid battery-supercapacitor energy storage system in EVs. , 2017, , .		6
103	The Thermoelectric Analysis of Different Heat Flux Conduction Materials for Power Generation Board. Energies, 2017, 10, 1781.	1.6	6
104	Design and Optimization of a Homopolar Permanent-Magnet Linear Tubular Motor Equipped With the E-Core Stator. IEEE Access, 2019, 7, 134514-134524.	2.6	6
105	An Energy-Saving Scheme of Variable Voltage Control for Three-Phase Induction Motor Drive Systems. , 2006, , .		5
106	Examination of T8-T5 Electronic Ballast Adaptor. , 2006, , .		5
107	Design consideration of C-core switched reluctance generators for wind energy. , 2011, , .		5
108	A Polymer-Bonded Magnetic Core for High-Frequency Converters. IEEE Transactions on Magnetics, 2012, 48, 4328-4331.	1.2	5

#	ARTICLE	IF	CITATIONS
109	Estimation of Inductance Derivative for Force Control of Linear Switched Reluctance Actuator. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	5
110	Optimization of Ferrites Structure by Using a New Core-Less Design Algorithm for Electric Vehicle Wireless Power Transfer. Energies, 2021, 14, 2590.	1.6	5
111	Quasi-Z-Source-Fed Switched-Capacitor Multilevel Inverters Without Inrush Charging Current. IEEE Transactions on Industrial Electronics, 2023, 70, 1115-1125.	5.2	5
112	Energy management system using ultra-capacitor as energy buffer. , 2011, , .		4
113	Formulation of buffer energy and experimental results of energy factor of DC-DC converters. International Journal of Circuit Theory and Applications, 2013, 41, 779-791.	1.3	4
114	Bidirectional tapped-inductor-based buck-boost convertor and its circuit application. , 2013, , .		4
115	A Vertical Flux-Switching Permanent Magnet Based Oscillating Wave Power Generator with Energy Storage. Energies, 2017, 10, 887.	1.6	4
116	Circuit Topology Analysis for LED Lighting and its Formulation Development. Energies, 2019, 12, 4203.	1.6	4
117	Design, Analysis and Application of Single-Wheel Test Bench for All-Electric Antilock Braking System in Electric Vehicles. Energies, 2021, 14, 1294.	1.6	4
118	Modeling of solenoidal transformer for the calculation of leakage inductance using eddy-current reaction field. IEEE Transactions on Magnetics, 2005, 41, 1996-1999.	1.2	3
119	Design and analysis of an electronic ballast with a secondary DC output. International Journal of Circuit Theory and Applications, 2008, 36, 883-898.	1.3	3
120	A review of international charging coupler standards and its availability in Hong Kong. , 2011, , .		3
121	A controller for linear compressors propelled by linear switched reluctance actuators. , 2013, , .		3
122	A Switched Capacitor Based AC/DC Resonant Converter for High Frequency AC Power Generation. Energies, 2015, 8, 10842-10860.	1.6	3
123	Indirect Adaptive and Interconnection and Damping Assignment Passivity-Based Controller for Constant Power Control in Steady-State of Automotive HID Headlight Electronic Ballast. Journal of Circuits, Systems and Computers, 2015, 24, 1550030.	1.0	3
124	Energy management system for mobility and smart city. , 2016, , .		3
125	Experimental study on the electrical characteristic of a GaN hybrid drain-embedded gate injection transistor (HD-CIT). , 2017, , .		3
126	A switched-capacitor step-up inverter for bidirectional wireless charging applications in electric microcar. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
127	A Supercapacitor-Based Method to Mitigate Overvoltage and Recycle the Energy of Pantograph Arcing in the High Speed Railway. <i>Energies</i> , 2019, 12, 1214.	1.6	3
128	Core Stress Analysis of Amorphous Alloy Transformer for Rail Transit under Different Working Conditions. <i>Energies</i> , 2021, 14, 164.	1.6	3
129	An Intermediate-Coil and Ferrite-Based Coupling Structure With Load-Independent Constant Outputs for Inductive Power Transfer. , 2021, , .		3
130	Adaptive Passivity-Based Control of Extended-Period Quasi-Resonant Converters. , 2006, , .		2
131	LED medical lighting for improved illumination. , 2011, , .		2
132	ABS Control of Electric Vehicle on Various Road Conditions. , 2011, , .		2
133	A Topology of Step-Down Resonant Switched-Capacitor-Based AC-DC Converter for High-Frequency AC Distribution. <i>Journal of Circuits, Systems and Computers</i> , 2015, 24, 1550154.	1.0	2
134	Characterization and modeling of copper foil conductor for high frequency power distribution. , 2015, , .		2
135	Design of flat magnetic core for inductively coupled coils in high efficiency wireless power transfer application. , 2017, , .		2
136	Comparison study of rare-earth-free motors with permanent magnet motors in EV applications. , 2017, , .		2
137	Zero Current Switching Switched-Capacitors Balancing Circuit for Energy Storage Cell Equalization and Its Associated Hybrid Circuit with Classical Buck-Boost. <i>Energies</i> , 2019, 12, 2726.	1.6	2
138	Current-source mode switched-capacitor power converters with improved current gain capability. <i>IET Power Electronics</i> , 2020, 13, 116-126.	1.5	2
139	Current Source Mode Bidirectional DC/DC Converter With Multiple-Level Output Conversion Ratios Based on the Hybrid PWM Control of the Switched-Capacitor Structure. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022, 10, 604-616.	3.7	2
140	Simulation Research of the Matrix Converter Based on Direct Torque Control. , 2006, , .		1
141	Direct Torque Control of Doubly Fed Induction Generators Connected to Grids with Unbalanced Voltage. <i>Electric Power Components and Systems</i> , 2009, 37, 894-913.	1.0	1
142	Business opportunities of charging system and electric vehicle. , 2011, , .		1
143	Investigation on parameters of automotive electromagnetic active suspensions. , 2011, , .		1
144	Adaptive fuzzy tracking control for linear motor driven compressor. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
145	Experimental study of automotive interleaved boost converter for PV systems. , 2013, , .		1
146	Prediction of charging and discharging performances of supercapacitor modules. , 2013, , .		1
147	Design optimization of a multi-modular linear switched reluctance actuator. , 2013, , .		1
148	Theoretical modelling of the storage energy envelope of high frequency AC reactive components to predict chaos boundary. IET Power Electronics, 2015, 8, 938-946.	1.5	1
149	New magnetic composite based on Ni-Zn for magnetic screenings and power conversion with its recyclable and formulable features. , 2017, , .		1
150	Conceptual design and simulation for a double-rotor switched reluctance motor using parallel series windings. , 2017, , .		1
151	Design and Control of a Permanent Magnet RotLin Motor for New Foldable Photovoltaic Units. Energies, 2019, 12, 1983.	1.6	1
152	Design, Analysis and Implementation of the Tapped-Inductor Boost Current Converter on Current Based System. Energies, 2021, 14, 888.	1.6	1
153	A Study on Influencing Factors of Low Frequency Sound Wave Fire Extinguisher. , 2020, , .		1
154	Topology and Formation of Current Source Step Down Resonant Switched Inductor Converters. Energies, 2022, 15, 1697.	1.6	1
155	An Integrated Design of Cost-effective Bipolar Hexagonal Coil and Active Disturbance Rejection Control for Wireless Power Transfer. , 2022, , .		1
156	Modeling and Examination of Class-E DC-DC Converter using Piezoelectric Transformer for Automotive Applications. , 0, , .		0
157	Development of HID Electronic Ballast for Automotive Systems. , 0, , .		0
158	One-dimensional field computation for leakage impedance of induction wok system with radical windings. , 2010, , .		0
159	Compound coordinates-based analytical solution for eddy-current problem in induction heating system with distributed planar spiral multi-coils. , 2010, , .		0
160	A website design in green energy teaching. , 2011, , .		0
161	Understanding the conducting states of active and passive switches in an inverter circuit used for power system applications. , 2011, , .		0
162	Latest technology development of concentrator photovoltaic system. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
163	Study of AC-DC converters with isolated transformers applied to high frequency AC-DC power conversion. , 2015, , .		0
164	Optimization of spring stiffness in automotive and rail active suspension systems. , 2016, , .		0
165	A polymer bonded gridded box EMI shielding method based on FEM for high speed railway. , 2016, , .		0
166	The low frequency conductive and radiative EMI and EMC analysis in high speed railway. , 2016, , .		0
167	Electric vehicle performance and design index. , 2017, , .		0
168	An investigation of coils used in dynamic wireless charging for electric vehicles. , 2017, , .		0
169	Investigation on advanced control of a linear switched reluctance motor. , 2017, , .		0
170	Human impedance characteristic investigation by low voltage square wave excitation. , 2017, , .		0
171	Arcing and high frequency conductor issues for HSR traction system and its associated EMI implication. , 2017, , .		0
172	Bidirectional DC/DC converter based on the Model Predictive Control method: Application to the Battery. , 2020, , .		0
173	Force and Velocity Ripple Reduction of the New Linear Motor. IEEE Access, 2021, , 1-1.	2.6	0
174	Topology and Analysis of An Electromechanical Brake for Electric Vehicles. , 2020, , .		0