

Chris Mi

List of Publications by Year in Descending Order

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

297
papers

13,076
citations

60
h-index

107
g-index

318
ext. papers

17,173
ext. citations

5.2
avg, IF

7.24
L-index

#	Paper	IF	Citations
297	Lithium-ion battery capacity estimation based on battery surface temperature change under constant-current charge scenario. <i>Energy</i> , 2022 , 241, 122879	7.9	0
296	Accurate and reliable state of charge estimation of lithium ion batteries using time-delayed recurrent neural networks through the identification of overexcited neurons. <i>Applied Energy</i> , 2022 , 305, 117962	10.7	4
295	Guest Editorial Special Issue on Advanced and Emerging Technologies of High-efficiency and Long-distance Wireless Power Transfer Systems. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	
294	State-of-health Estimation for Lithium-ion Batteries Based on Decoupled Dynamic Characteristic of Constant-voltage Charging Current. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 1-1	7.6	1
293	A Multi-load Capacitive Power Relay System with Load-independent Constant Current Outputs. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	3
292	An NFC-Connected Coupler Using IPT-CPT-Combined Wireless Charging for Metal-Cover Smartphone Applications. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 6323-6338	7.2	8
291	Electric and Hybrid Vehicles. <i>Proceedings of the IEEE</i> , 2021 , 109, 962-966	14.3	1
290	Revolution of Electric Vehicle Charging Technologies Accelerated by Wide Bandgap Devices. <i>Proceedings of the IEEE</i> , 2021 , 109, 985-1003	14.3	17
289	A Two-Layer Real-Time Optimization Control Strategy for Integrated Battery Thermal Management and HVAC System in Connected and Automated HEVs. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 6567-6576	6.8	2
288	Realizing Constant Current and Constant Voltage Outputs and Input Zero Phase Angle of Wireless Power Transfer Systems With Minimum Component Counts. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 600-610	6.1	26
287	An NFC-CPT-Combined Coupler With Series-None Compensation for Metal-Cover Smartphone Applications. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 3758-3769	5.6	3
286	A Power Relay System With Multiple Loads Using Asymmetrical Coil Design. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 1188-1196	8.9	11
285	Case Study of an Electric Vehicle Battery Thermal Runaway and Online Internal Short-Circuit Detection. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 2452-2455	7.2	10
284	A Two-Stage Real-Time Optimized EV Battery Cooling Control Based on Hierarchical and Iterative Dynamic Programming and MPC. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-11	6.1	0
283	Foreign object detection in wireless power transfer systems. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	5
282	A Novel Ultrafast Transient Constant on-Time Buck Converter for Multiphase Operation. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 13096-13106	7.2	1
281	An Electric Roadway System Leveraging Dynamic Capacitive Wireless Charging: Furthering the Continuous Charging of Electric Vehicles. <i>IEEE Electrification Magazine</i> , 2020 , 8, 52-60	2.6	10

280	Long-distance wireless power transfer system powering multiple loads with constant voltage outputs using S-SP compensation. <i>IET Power Electronics</i> , 2020 , 13, 1729-1734	2.2	4
279	A Metal Object Detection System with Multilayer Detection Coil Layouts for Electric Vehicle Wireless Charging. <i>Energies</i> , 2020 , 13, 2960	3.1	6
278	Repeater coil-based wireless power transfer system powering multiple gate drivers of series-connected IGBTs. <i>IET Power Electronics</i> , 2020 , 13, 1722-1728	2.2	4
277	Core Temperature Estimation for Self-Heating Automotive Lithium-Ion Batteries in Cold Climates. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 3366-3375	11.9	13
276	Metal-rim-connected inductive coupler for smartwatch applications. <i>IET Power Electronics</i> , 2020 , 13, 3428-3434	2.2	4
275	A Multiload Inductive Power Transfer Repeater System With Constant Load Current Characteristics. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 3533-3541	5.6	8
274	Three-Coil Wireless Charging System for Metal-Cover Smartphone Applications. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 4847-4858	7.2	18
273	Design of a Double-Sided LCLC Compensated Capacitive Power Transfer System with Predesigned Coupler Plate Voltage Stresses. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 1-1	5.6	6
272	A High-Efficiency and Long-Distance Power-Relay System With Equal Power Distribution. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 1419-1427	5.6	19
271	A Load-Independent Wireless Power Transfer System With Multiple Constant Voltage Outputs. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 3328-3331	7.2	24
270	A Load-Independent LCC-Compensated Wireless Power Transfer System for Multiple Loads With a Compact Coupler Design. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 4507-4515	8.9	39
269	A High-Power Wireless Charging System Using LCL-N Topology to Achieve a Compact and Low-Cost Receiver. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 131-137	7.2	19
268	A Lithium-Ion Battery Balancing Circuit Based on Synchronous Rectification. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 1637-1648	7.2	19
267	Fault-Tolerant Wireless Power Transfer System With a Dual-Coupled LCC-S Topology. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 11838-11846	6.8	26
266	Unified Load-Independent ZPA Analysis and Design in CC and CV Modes of Higher Order Resonant Circuits for WPT Systems. <i>IEEE Transactions on Transportation Electrification</i> , 2019 , 5, 977-987	7.6	32
265	The improved open-circuit voltage characterization test using active polarization voltage reduction method. <i>Applied Energy</i> , 2019 , 237, 682-694	10.7	15
264	Development of a Dielectric-Gas-Based Single-Phase Electrostatic Motor. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 2592-2600	4.3	3
263	A Multi-Load Wireless Power Transfer System With Series-Parallel-Series Compensation. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7126-7130	7.2	38

262	An LCC-P Compensated Wireless Power Transfer System with a Constant Current Output and Reduced Receiver Size. <i>Energies</i> , 2019 , 12, 172	3.1	17
261	A Compact Spatial Free-Positioning Wireless Charging System for Consumer Electronics Using a Three-Dimensional Transmitting Coil. <i>Energies</i> , 2019 , 12, 1409	3.1	4
260	Sensitivity Analysis of Inductive Power Transfer Systems With Voltage-Fed Compensation Topologies. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 4502-4513	6.8	22
259	A Low-Voltage and High-Current Inductive Power Transfer System With Low Harmonics for Automatic Guided Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 3351-3360	6.8	19
258	Modeling and Analysis of a Strongly Coupled Series-Parallel-Compensated Wireless Power Transfer System. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 1364-1370	5.6	8
257	Wide Design Range of Constant Output Current Using Double-Sided LC Compensation Circuits for Inductive-Power-Transfer Applications. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 2364-2374	7.2	32
256	Modeling and Analysis of Series-None Compensation for Wireless Power Transfer Systems With a Strong Coupling. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 1209-1215	7.2	44
255	An Integrated Heater Equalizer for Lithium-Ion Batteries of Electric Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 4398-4405	8.9	31
254	Frequency Optimization of a Loosely Coupled Underwater Wireless Power Transfer System Considering Eddy Current Loss. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 3468-3476	8.9	60
253	A review of foreign object detection (FOD) for inductive power transfer systems. <i>ETransportation</i> , 2019 , 1, 100002	12.7	30
252	Learning of Battery Model Bias for Effective State of Charge Estimation of Lithium-Ion Batteries. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 8613-8628	6.8	30
251	Modelling and analysis of the distortion of strongly-coupled wireless power transfer systems with SS and LCC/CC compensations. <i>IET Power Electronics</i> , 2019 , 12, 1321-1328	2.2	19
250	An LCL-N Compensated Strongly-Coupled Wireless Power Transfer System for High-Power Applications 2019 ,		1
249	A Copula-based battery pack consistency modeling method and its application on the energy utilization efficiency estimation. <i>Energy</i> , 2019 , 189, 116219	7.9	12
248	A novel resistor-inductor network-based equivalent circuit model of lithium-ion batteries under constant-voltage charging condition. <i>Applied Energy</i> , 2019 , 254, 113726	10.7	15
247	Interoperability study of fast wireless charging and normal wireless charging of electric vehicles with a shared receiver. <i>IET Power Electronics</i> , 2019 , 12, 2551-2558	2.2	5
246	A Multi-load Wireless Power Transfer System with Constant Voltage Outputs Using S-LCC Compensation 2019 ,		3
245	Underwater wireless power transfer system with a curly coil structure for AUVs. <i>IET Power Electronics</i> , 2019 , 12, 2559-2565	2.2	12

244	A Wireless Power Transfer System with Multiple Constant Current and Constant Voltage Outputs 2019,		4
243	A Novel Capacitive Coupler Array With Free-Positioning Feature for Mobile Tablet Applications. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 6014-6019	7.2	12
242	A Tightly Coupled Inductive Power Transfer System for Low-Voltage and High-Current Charging of Automatic Guided Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 6867-6875	8.9	31
241	A New Coil Structure to Reduce Eddy Current Loss of WPT Systems for Underwater Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 245-253	6.8	18
240	Load-Independent Wireless Power Transfer System for Multiple Loads Over a Long Distance. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 9279-9288	7.2	63
239	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 1311-1317	5.6	28
238	A Misalignment-Tolerant Series-Hybrid Wireless EV Charging System With Integrated Magnetics. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 1276-1285	7.2	103
237	Online state-of-health estimation for lithium-ion batteries using constant-voltage charging current analysis. <i>Applied Energy</i> , 2018 , 212, 1589-1600	10.7	82
236	Hybrid Energy Storage System of an Electric Scooter Based on Wireless Power Transfer. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 4169-4178	11.9	26
235	An Automotive Onboard AC Heater Without External Power Supplies for Lithium-Ion Batteries at Low Temperatures. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 7759-7769	7.2	32
234	Integrated Coil Design for EV Wireless Charging Systems Using LCC Compensation Topology. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 9231-9241	7.2	50
233	Design and optimization of a dielectric-gas-based single-phase electrostatic motor 2018,		4
232	Ecological Driving System for Connected/Automated Vehicles Using a Two-Stage Control Hierarchy. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 2373-2384	6.1	25
231	A Dual-Coupled LCC-Compensated IPT System With a Compact Magnetic Coupler. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 6391-6402	7.2	69
230	Six-Plate Capacitive Coupler to Reduce Electric Field Emission in Large Air-Gap Capacitive Power Transfer. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 665-675	7.2	82
229	A Double-Sided LC-Compensation Circuit for Loosely Coupled Capacitive Power Transfer. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 1633-1643	7.2	102
228	Design and Analysis of a Three-Phase Wireless Charging System for Lightweight Autonomous Underwater Vehicles. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 6622-6632	7.2	97
227	Model Reference Adaptive Control for Hybrid Electric Vehicle With Dual Clutch Transmission Configurations. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 991-999	6.8	8

226	Robust Predictive Battery Thermal Management Strategy for Connected and Automated Hybrid Electric Vehicles Based on Thermoelectric Parameter Uncertainty. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018 , 6, 1796-1805	5.6	13
225	Hybrid Powertrains 2018 , 389-429		
224	Electric Powertrains 2018 , 333-388		
223	A Real-Time Battery Thermal Management Strategy for Connected and Automated Hybrid Electric Vehicles (CAHEVs) Based on Iterative Dynamic Programming. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 8077-8084	6.8	36
222	A Two-Plate Capacitive Wireless Power Transfer System for Electric Vehicle Charging Applications. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 964-969	7.2	81
221	Eddy Current Loss Analysis of Underwater Wireless Power Transfer System 2018 ,		5
220	A Rotation-Resilient Wireless Charging System for Lightweight Autonomous Underwater Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 6935-6942	6.8	41
219	A reverse-coupled bipolar coil structure for an integrated LCC-compensated inductive power transfer system 2018 ,		2
218	A finite-set model-based predictive battery thermal management in connected and automated hybrid electric vehicles 2018 ,		2
217	A Delta-Structured Switched-Capacitor Equalizer for Series-Connected Battery Strings. <i>IEEE Transactions on Power Electronics</i> , 2018 , 1-1	7.2	35
216	. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 1638-1650	7.2	153
215	Modeling and Analysis of AC Output Power Factor for Wireless Chargers in Electric Vehicles. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 1481-1492	7.2	22
214	. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 1940-1949	6.8	36
213	An Automatic Equalizer Based on ForwardFlyback Converter for Series-Connected Battery Strings. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5380-5391	8.9	83
212	. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 6663-6675	6.8	17
211	An LC-Compensated Electric Field Repeater for Long-Distance Capacitive Power Transfer. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 4914-4922	4.3	22
210	An Inductive and Capacitive Integrated Coupler and Its LCL Compensation Circuit Design for Wireless Power Transfer. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 4903-4913	4.3	28
209	A three-phase wireless charging system for lightweight autonomous underwater vehicles 2017 ,		7

208	Data-based fractional differential models for non-linear dynamic modeling of a lithium-ion battery. <i>Energy</i> , 2017 , 135, 171-181	7.9	23
207	An automatic battery equalizer based on forward and flyback conversion for series-connected battery strings 2017 ,		8
206	A high efficiency and compact inductive power transfer system compatible with both 3.3kW and 7.7kW receivers 2017 ,		6
205	Improved battery modeling approach considering operating scenarios for HEV/EV applications 2017 ,		2
204	A correlation based detection method for internal short circuit in battery packs 2017 ,		1
203	Capacitive Power Transfer for EV Chargers Coupler 2017 , 435-455		3
202	A Modularization Method for Battery Equalizers Using Multiwinding Transformers. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 8710-8722	6.8	36
201	A switched-coupling-capacitor equalizer for series-connected battery strings 2017 ,		11
200	A Switched-Coupling-Capacitor Equalizer for Series-Connected Battery Strings. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 7694-7706	7.2	64
199	Electric Machines and Drives in HEVs 2017 , 261-332		
198	Identification of Fractional Differential Models for Lithium-ion Polymer Battery Dynamics. <i>IFAC-PapersOnLine</i> , 2017 , 50, 405-410	0.7	5
197	HEV Fundamentals 2017 , 45-71		
196	External short circuit fault diagnosis based on supervised statistical learning 2017 ,		2
195	Advanced HEV Architectures and Dynamics of HEV Powertrain 2017 , 73-109		
194	Special Hybrid Vehicles 2017 , 143-174		
193	EV and PHEV Battery Charger Design 2017 , 385-408		
192	Power Electronics in HEVs 2017 , 211-259		
191	Adaptive State-of-Charge Estimation Based on a Split Battery Model for Electric Vehicle Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 10889-10898	6.8	57

190	Investigation of negative permeability metamaterials for wireless power transfer. <i>AIP Advances</i> , 2017 , 7, 115316	1.5	4
189	A correlation based fault detection method for short circuits in battery packs. <i>Journal of Power Sources</i> , 2017 , 337, 1-10	8.9	113
188	A star-structured switched-capacitor equalizer for series-connected battery strings 2017 ,		3
187	Diagnostics, Prognostics, Reliability, EMC, and Other Topics Related to HEVs 2017 , 189-209		
186	A delta-structured switched-capacitor equalizer for series-connected battery strings 2017 ,		4
185	A dual-coupled LCC-compensated IPT system to improve misalignment performance 2017 ,		9
184	Wireless Power Transfer for Electric Vehicle Applications 2017 , 461-520		
183	2017 ,		37
182	Improved Battery Parameter Estimation Method Considering Operating Scenarios for HEV/EV Applications. <i>Energies</i> , 2017 , 10, 5	3.1	19
181	A Review on the Recent Development of Capacitive Wireless Power Transfer Technology. <i>Energies</i> , 2017 , 10, 1752	3.1	114
180	HEV Component Sizing and Design Optimization 2017 , 433-460		
179	2017 ,		62
178	Comparison Study on SS and Double-Sided LCC Compensation Topologies for EV/PHEV Wireless Chargers. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 4429-4439	6.8	161
177	Accurate Lithium-ion battery parameter estimation with continuous-time system identification methods. <i>Applied Energy</i> , 2016 , 179, 426-436	10.7	59
176	A review of wireless power transfer for electric vehicles: Prospects to enhance sustainable mobility. <i>Applied Energy</i> , 2016 , 179, 413-425	10.7	222
175	A CLLC-compensated high power and large air-gap capacitive power transfer system for electric vehicle charging applications 2016 ,		63
174	A large air-gap capacitive power transfer system with a 4-plate capacitive coupler structure for electric vehicle charging applications 2016 ,		7
173	Modern Advances in Wireless Power Transfer Systems for Roadway Powered Electric Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6533-6545	8.9	404

172	A Four-Plate Compact Capacitive Coupler Design and LCL-Compensated Topology for Capacitive Power Transfer in Electric Vehicle Charging Application. <i>IEEE Transactions on Power Electronics</i> , 2016 , 1-1	7.2	127
171	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6546-6556	8.9	115
170	An Inductive and Capacitive Combined Wireless Power Transfer System With LC-Compensated Topology. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 8471-8482	7.2	112
169	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 4779-4789	6.8	32
168	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 4768-4778	6.8	402
167	A loosely coupled capacitive power transfer system with LC compensation circuit topology 2016 ,		18
166	An LC compensated electric field repeater for long distance capacitive power transfer 2016 ,		3
165	An inductive and capacitive integrated coupler and its LCL compensation circuit design for wireless power transfer 2016 ,		4
164	A dynamic capacitive power transfer system with reduced power pulsation 2016 ,		13
163	A fault-tolerant voltage measurement method for series connected battery packs. <i>Journal of Power Sources</i> , 2016 , 308, 83-96	8.9	57
162	A Dynamic Charging System With Reduced Output Power Pulsation for Electric Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6580-6590	8.9	129
161	Dynamic Charging of Electric Vehicles by Wireless Power Transfer. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6530-6532	8.9	30
160	The improved interleaved voltage measurement method for series connected battery packs. <i>Journal of Power Sources</i> , 2016 , 334, 12-22	8.9	29
159	A Double-Sided LCC Compensation Network and Its Tuning Method for Wireless Power Transfer. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 2261-2273	6.8	483
158	Compact and Efficient Bipolar Coupler for Wireless Power Chargers: Design and Analysis. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 6130-6140	7.2	137
157	Guest EditorialSpecial Issue on Wireless Power Transfer. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2015 , 3, 1-3	5.6	1
156	A novel energy management method for series plug-in hybrid electric vehicles. <i>Applied Energy</i> , 2015 , 145, 172-179	10.7	81
155	. <i>IEEE Transactions on Industry Applications</i> , 2015 , 51, 1872-1879	4.3	97

154	A Double-Sided LCLC-Compensated Capacitive Power Transfer System for Electric Vehicle Charging. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 6011-6014	7.2	234
153	Guest Editorial Special Issue on Wireless Power Transfer. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 6015-6016	7.2	3
152	ZVS double-side LCC compensated resonant inverter with magnetic integration for electric vehicle wireless charger 2015 ,		11
151	A novel state-of-charge estimation method for lithium-ion battery pack of electric vehicles 2015 ,		5
150	Integrated $\{LCC\}$ Compensation Topology for Wireless Charger in Electric and Plug-in Electric Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 4215-4225	8.9	181
149	Design of LLC Resonant Converters Based on Operation-Mode Analysis for Level Two PHEV Battery Chargers. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015 , 20, 1595-1606	5.5	43
148	Investigation of path dependence in commercial lithium-ion cells for pure electric bus applications: Aging mechanism identification. <i>Journal of Power Sources</i> , 2015 , 274, 29-40	8.9	61
147	Wireless Power Transfer for Electric Vehicle Applications. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2015 , 3, 4-17	5.6	870
146	Plug-in vs. wireless charging: Life cycle energy and greenhouse gas emissions for an electric bus system. <i>Applied Energy</i> , 2015 , 146, 11-19	10.7	92
145	Loosely Coupled Transformer Structure and Interoperability Study for EV Wireless Charging Systems. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 6356-6367	7.2	119
144	High power capacitive power transfer for electric vehicle charging applications 2015 ,		15
143	Output power and efficiency sensitivity to circuit parameter variations in double-sided LCC-compensated wireless power transfer system 2015 ,		35
142	. <i>IEEE Transactions on Industry Applications</i> , 2015 , 1-1	4.3	2
141	Multiple cell lithium-ion battery system electric fault online diagnostics 2015 ,		11
140	A high efficiency 3.3 kW loosely-coupled wireless power transfer system without magnetic material 2015 ,		33
139	2015 ,		1
138	Loss-Minimization-Based Charging Strategy for Lithium-Ion Battery. <i>IEEE Transactions on Industry Applications</i> , 2015 , 51, 4121-4129	4.3	41
137	Optimal design of line level control resonant converters in plug-in hybrid electric vehicle battery chargers. <i>IET Electrical Systems in Transportation</i> , 2014 , 4, 21-28	2.1	20

136	. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 1581-1592	6.8	188
135	The State of Charge Estimation of Lithium-Ion Batteries Based on a Proportional-Integral Observer. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 1614-1621	6.8	173
134	Energy Management for a Power-Split Plug-in Hybrid Electric Vehicle Based on Dynamic Programming and Neural Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 1567-1580	6.8	203
133	Energy management of a power-split plug-in hybrid electric vehicle based on genetic algorithm and quadratic programming. <i>Journal of Power Sources</i> , 2014 , 248, 416-426	8.9	161
132	A data-driven bias correction method based lithium-ion battery modeling approach for electric vehicles application 2014 ,		2
131	Study of the characteristics of battery packs in electric vehicles with parallel-connected lithium-ion battery cells 2014 ,		11
130	Energy management of power-split plug-in hybrid electric vehicles based on simulated annealing and Pontryagin's minimum principle. <i>Journal of Power Sources</i> , 2014 , 272, 160-168	8.9	76
129	Feasibility study on bipolar pads for efficient wireless power chargers 2014 ,		71
128	Active-charging based powertrain control in series hybrid electric vehicles for efficiency improvement and battery lifetime extension. <i>Journal of Power Sources</i> , 2014 , 245, 292-300	8.9	19
127	. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 2165-2175	8.9	76
126	A control method to improve the efficiency of a soft-switching non-isolated bidirectional DC-DC converter for hybrid and plug-in electric vehicle applications. <i>International Journal of Power Electronics</i> , 2014 , 6, 66	0.2	3
125	Transverse flux permanent magnet motor with double-C stator hoops and flux-concentrated rotor for in-wheel drive electric vehicle 2014 ,		6
124	Loss minimization-based charging strategy for lithium-ion battery 2014 ,		4
123	Torque Control of IPMSM in the Field-Weakening Region With Improved DC-Link Voltage Utilization. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 1-1	8.9	30
122	Evaluation of Model Based State of Charge Estimation Methods for Lithium-Ion Batteries. <i>Energies</i> , 2014 , 7, 5065-5082	3.1	53
121	External short circuit fault diagnosis for lithium-ion batteries 2014 ,		14
120	Development of a high efficiency primary side controlled 7kW wireless power charger 2014 ,		24
119	Design of a high efficiency 22 kW wireless power transfer system for EVs fast contactless charging stations 2014 ,		19

118	Magnetic integration of LCC compensated resonant converter for inductive power transfer applications 2014 ,		21
117	A novel soft-switching bidirectional DC-DC converter with coupled inductors 2013 ,		5
116	A robust state-of-charge estimator for multiple types of lithium-ion batteries using adaptive extended Kalman filter. <i>Journal of Power Sources</i> , 2013 , 243, 805-816	8.9	121
115	. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 4336-4344	6.8	42
114	. <i>IEEE Transactions on Industry Applications</i> , 2013 , 49, 2730-2740	4.3	41
113	LLC resonant converters for PHEV battery chargers 2013 ,		8
112	. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 1493-1504	2	34
111	SOC Based Battery Cell Balancing with a Novel Topology and Reduced Component Count. <i>Energies</i> , 2013 , 6, 2726-2740	3.1	35
110	A Comparison Study of the Model Based SOC Estimation Methods for Lithium-Ion Batteries 2013 ,		14
109	A High-Efficiency Active Battery-Balancing Circuit Using Multiwinding Transformer. <i>IEEE Transactions on Industry Applications</i> , 2013 , 49, 198-207	4.3	164
108	A new method to estimate the state of charge of lithium-ion batteries based on the battery impedance model. <i>Journal of Power Sources</i> , 2013 , 233, 277-284	8.9	187
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