Kwok Tong Chau

List of Publications by Year
in descending order

452	16,981	18887 64	27587 110
papers	citations	h-index	g-index

478	478	478	7725
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wireless Power and Drive Transfer Using Orthogonal Bipolar Couplers and Separately Excited Modulation. IEEE Transactions on Industrial Electronics, 2022, 69, 3492-3502.	5.2	7
2	An Integrated Wireless Motor System Using Laminated Magnetic Coupler and Commutative-Resonant Control. IEEE Transactions on Industrial Electronics, 2022, 69, 4342-4352.	5.2	17
3	A Dual-Resonant Topology-Reconfigurable Inverter for All-Metal Induction Heating. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 3818-3829.	3.7	15
4	Compact Wireless Motor Drive Using Orthogonal Bipolar Coils for Coordinated Operation of Robotic Arms. IEEE Transactions on Magnetics, 2022, 58, 1-8.	1.2	12
5	Output-Controllable Efficiency-Optimized Wireless Power Transfer Using Hybrid Modulation. IEEE Transactions on Industrial Electronics, 2022, 69, 4627-4636.	5.2	19
6	Decoupled-Double D Coils Based Dual-Resonating-Frequency Compensation Topology for Wireless Power Transfer. IEEE Transactions on Magnetics, 2022, 58, 1-7.	1.2	9
7	Wireless Power and Drive Transfer for Piping Network. IEEE Transactions on Industrial Electronics, 2022, 69, 2345-2356.	5.2	30
8	Analysis of Split-Tooth Stator-Slot Permanent-Magnet Machines With Different PM Arrangements. IEEE Transactions on Magnetics, 2022, 58, 1-6.	1.2	1
9	Wireless Energy Trading in Traffic Internet. IEEE Transactions on Power Electronics, 2022, 37, 4831-4841.	5.4	19
10	Power Adaption Design for Multifrequency Wireless Power Transfer System. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	4
11	A Novel Quasi-3D Analytical Model for Axial Flux Motors Considering Magnetic Saturation. IEEE Transactions on Energy Conversion, 2022, 37, 1358-1368.	3.7	14
12	Design and Analysis of Demand-Customized Selective Wireless Power Transfer System. IEEE Transactions on Industrial Electronics, 2022, 69, 13451-13461.	5.2	4
13	Multi-Resonating-Compensation for Multi-Channel Multi-Pickup Wireless Power Transfer. IEEE Transactions on Magnetics, 2022, 58, 1-6.	1.2	4
14	Pulse Frequency Modulation for Parity-Time-Symmetric Wireless Power Transfer System. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	12
15	Overview of batteries and battery management for electric vehicles. Energy Reports, 2022, 8, 4058-4084.	2.5	184
16	Maximum Power Tracking for Magnetic Field Editing-Based Omnidirectional Wireless Power Transfer. IEEE Transactions on Power Electronics, 2022, 37, 12901-12912.	5.4	14
17	Design and Analysis of Optimal Current Vector for HTS-Based Multi-Input Wireless Power Transfer Systems. Energies, 2022, 15, 4337.	1.6	0
18	Hybrid Frequency Pacing for High-Order Transformed Wireless Power Transfer. IEEE Transactions on Power Electronics, 2021, 36, 1157-1170.	5.4	23

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19	Low-Frequency-Switching High-Frequency-Resonating Wireless Power Transfer. IEEE Transactions on Magnetics, 2021, 57, 1-8.	1.2	2
20	Design and Analysis of Double-Layer Electromagnetic Field Limiter for Wireless Rechargeable Medical Implants. IEEE Transactions on Magnetics, 2021, 57, 1-6.	1.2	16
21	Design, Analysis, and Implementation of Wireless Shaded-Pole Induction Motors. IEEE Transactions on Industrial Electronics, 2021, 68, 6493-6503.	5.2	34
22	Selective Wireless Power Transfer Using Magnetic Field Editing. IEEE Transactions on Power Electronics, 2021, 36, 2710-2719.	5.4	16
23	S-CLC Compensated Wireless Power Transfer With Pulse-Frequency-Modulation Control for Dimmable Low-Pressure Sodium Lamps. IEEE Transactions on Magnetics, 2021, 57, 1-7.	1.2	5
24	Analysis of Air-Gap Field Modulation in Parallel-Hybrid-Excited Harmonic-Shift Machines. IEEE Transactions on Magnetics, 2021, 57, 1-6.	1.2	4
25	Frequency-Modulated Wireless Direct-Drive Motor Control. IEEE Transactions on Magnetics, 2021, 57, 1-7.	1.2	3
26	Analysis of Multi-Coil Omnidirectional Energy Harvester. IEEE Transactions on Magnetics, 2021, 57, 1-6.	1.2	11
27	Modern electric machines and drives for wind power generation: A review of opportunities and challenges. IET Renewable Power Generation, 2021, 15, 1864-1887.	1.7	46
28	A Double-Rotor Flux-Switching Permanent-Magnet Motor for Electric Vehicles With Magnetic Differential. IEEE Transactions on Industrial Electronics, 2021, 68, 1004-1015.	5.2	30
29	A Critical Review of Advanced Electric Machines and Control Strategies for Electric Vehicles. Proceedings of the IEEE, 2021, 109, 1004-1028.	16.4	124
30	Low-Frequency Medium Power Capacitor-Free Self-Resonant Wireless Power Transfer. IEEE Transactions on Industrial Electronics, 2021, 68, 10521-10533.	5.2	9
31	Wireless Shaded-Pole Induction Motor With Half-Bridge Inverter and Dual-Frequency Resonant Network. IEEE Transactions on Power Electronics, 2021, 36, 13536-13545.	5.4	18
32	Nonlinear Varying-Network Magnetic Circuit Analysis of Consequent-Pole Permanent-Magnet Motor for Electric Vehicles. World Electric Vehicle Journal, 2021, 12, 254.	1.6	3
33	A Magnetic-Differential Double-Rotor Flux-Reversal Permanent-Magnet Motor for Electric Vehicles. , 2021, , .		3
34	Design and Analysis of a New Parallel-Hybrid-Excited Machine With Harmonic-Shift Structure. IEEE Transactions on Industrial Electronics, 2020, 67, 1759-1770.	5.2	17
35	Full-Range Soft-Switching Pulse Frequency Modulated Wireless Power Transfer. IEEE Transactions on Power Electronics, 2020, 35, 6533-6547.	5.4	42
36	Design and Analysis of Wireless Direct-Drive High-Intensity Discharge Lamp. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3558-3568.	3.7	4

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37	A Wireless Dimmable Lighting System Using Variable-Power Variable-Frequency Control. IEEE Transactions on Industrial Electronics, 2020, 67, 8392-8404.	5.2	30
38	A New Parallel-Hybrid-Excited Permanent-Magnet Machine With Harmonic-Differential Effect for Electric Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 12734-12750.	3.9	11
39	High-Order Compensated Wireless Power Transfer for Dimmable Metal Halide Lamps. IEEE Transactions on Power Electronics, 2020, 35, 6269-6279.	5.4	22
40	Wireless Energy-On-Demand Using Magnetic Quasi-Resonant Coupling. IEEE Transactions on Power Electronics, 2020, 35, 9057-9069.	5.4	21
41	An Effective Sandwiched Wireless Power Transfer System for Charging Implantable Cardiac Pacemaker. IEEE Transactions on Industrial Electronics, 2019, 66, 4108-4117.	5.2	117
42	All-utensil domestic induction heating system. Energy Conversion and Management, 2019, 195, 1035-1043.	4.4	18
43	An LCC-Compensated Multiple-Frequency Wireless Motor System. IEEE Transactions on Industrial Informatics, 2019, 15, 6023-6034.	7.2	51
44	All-In-One Induction Heating Using Dual Magnetic Couplings. Energies, 2019, 12, 1772.	1.6	5
45	Multi-Frequency Multi-Power One-to-Many Wireless Power Transfer System. IEEE Transactions on Magnetics, 2019, 55, 1-9.	1.2	51
46	A Wireless Servo Motor Drive With Bidirectional Motion Capability. IEEE Transactions on Power Electronics, 2019, 34, 12001-12010.	5.4	43
47	Design and Analysis of Quasi-Omnidirectional Dynamic Wireless Power Transfer for Fly-and-Charge. IEEE Transactions on Magnetics, 2019, 55, 1-9.	1.2	49
48	Continuously Variable-Frequency Energy-Encrypted Wireless Power Transfer. Energies, 2019, 12, 1286.	1.6	4
49	Wireless Secondary-Converterless Bipolar Drive for AC Application. , 2019, , .		1
50	Design and Analysis of Wireless Ballastless Fluorescent Lighting. IEEE Transactions on Industrial Electronics, 2019, 66, 4065-4074.	5.2	40
51	Design and Analysis of Wireless Switched Reluctance Motor Drives. IEEE Transactions on Industrial Electronics, 2019, 66, 245-254.	5.2	75
52	A Superconducting Vernier Motor for Electric Ship Propulsion. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.1	19
53	A Phase-Decoupled Flux-Reversal Linear Generator for Low-Speed Oscillatory Energy Conversion Using Impedance Matching Strategy. IEEE Transactions on Industrial Electronics, 2018, 65, 7590-7599.	5.2	8
54	Guest Editorial Emerging Electric Machines and Drives for Smart Energy Conversion. IEEE Transactions on Energy Conversion, 2018, 33, 1931-1933.	3.7	4

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55	Design and Analysis of Partitioned-Stator Switched-Flux Dual-Excitation Machine for Hybrid Electric Vehicles. World Electric Vehicle Journal, 2018, 9, 40.	1.6	1
56	Overview of magnetless brushless machines. IET Electric Power Applications, 2018, 12, 1117-1125.	1.1	31
57	Move-and-Charge System for Automatic Guided Vehicles. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	33
58	Quantitative Comparison of Novel Dual-PM Linear Motors for Ropeless Elevator System. IEEE Transactions on Magnetics, 2018, 54, 1-6.	1.2	22
59	All-Metal Domestic Induction Heating Using Single-Frequency Double-Layer Coils. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	16
60	Accurate Position Detection in Wireless Power Transfer Using Magnetoresistive Sensors for Implant Applications. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	25
61	A Switched-Capacitorless Energy-Encrypted Transmitter for Roadway-Charging Electric Vehicles. IEEE Transactions on Magnetics, 2018, 54, 1-6.	1.2	20
62	Design and Analysis of a New Bipolar-Flux DSPM Linear Machine. IEEE Transactions on Energy Conversion, 2018, 33, 2081-2090.	3.7	21
63	Development of a Singly Fed Mechanical-Offset Machine for Electric Vehicles. IEEE Transactions on Energy Conversion, 2018, 33, 516-525.	3.7	4
64	Comparison of Induction Heating for Pans and Woks Using Planar Cooktops. , 2018, , .		2
65	Pulse-Width-Modulation-Based Electromagnetic Interference Mitigation of Bidirectional Grid-Connected Converters for Electric Vehicles. IEEE Transactions on Smart Grid, 2017, 8, 2803-2812.	6.2	26
66	A New High-Temperature Superconducting Vernier Permanent-Magnet Machine for Wind Turbines. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	15
67	A New Linear Vernier Permanent-Magnet Machine Using High-Temperature Superconducting DC Field Excitation. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	5
68	Time-Division Multiplexing Wireless Power Transfer for Separately Excited DC Motor Drives. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	66
69	Doubly Salient Dual-PM Linear Machines for Regenerative Shock Absorbers. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	11
70	Development of Reliable Gearless Motors for Electric Vehicles. IEEE Transactions on Magnetics, 2017, 53, 1-8.	1.2	9
71	Design and Analysis of Electromagnetic Gears With Variable Gear Ratios. IEEE Transactions on Magnetics, 2017, 53, 1-6.	1.2	8
72	A Hybrid-Excited Vernier Permanent Magnet Machine Using Homopolar Topology. IEEE Transactions on Magnetics, 2017, 53, 1-7.	1.2	25

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73	A new linear magnetic gear with adjustable gear ratios and its application for direct-drive wave energy extraction. Renewable Energy, 2017, 105, 199-208.	4.3	14
74	Design and analysis of a new parallel-hybrid-excited linear vernier machine for oceanic wave power generation. Applied Energy, 2017, 208, 878-888.	5.1	18
75	Development of reliable gearless motors for electric vehicles. , 2017, , .		4
76	Development of partitioned stator flux-switching machines for electric vehicles. Journal of International Council on Electrical Engineering, 2017, 7, 276-281.	0.4	1
77	Single-Source Multiple-Coil Homogeneous Induction Heating. IEEE Transactions on Magnetics, 2017, 53, 1-6.	1.2	25
78	Flexible Induction Heating Using Magnetic Resonant Coupling. IEEE Transactions on Industrial Electronics, 2017, 64, 1982-1992.	5.2	81
79	An Overview of Resonant Circuits for Wireless Power Transfer. Energies, 2017, 10, 894.	1.6	127
80	Wireless DC Motor Drives with Selectability and Controllability. Energies, 2017, 10, 49.	1.6	30
81	Overview of Electric Vehicle Machines - From Tesla to Tesla, and Beyond. , 2016, , .		10
82	Modeling of a Field-Modulated Permanent-Magnet Machine. Energies, 2016, 9, 1078.	1.6	9
83	Design and Analysis of an Electronic-Geared Magnetless Machine for Electric Vehicles. IEEE Transactions on Industrial Electronics, 2016, 63, 6705-6714.	5.2	35
84	Dynamic Performance Evaluation of a Nine-Phase Flux-Switching Permanent-Magnet Motor Drive With Model Predictive Control. IEEE Transactions on Industrial Electronics, 2016, 63, 4539-4549.	5.2	68
85	Design of a new nonâ€rareâ€earth magnetic variable gear for hybrid vehicular propulsion system. IET Electrical Systems in Transportation, 2016, 6, 153-162.	1.5	13
86	A new parallel-hybrid-excitation linear vernier permanent-magnet machine: Improved solution for direct-driven power generation. , 2016, , .		5
87	Controllability and Performance of a Nine-Phase FSPM Motor Under Severe Five Open-Phase Fault Conditions. IEEE Transactions on Energy Conversion, 2016, 31, 323-332.	3.7	52
88	Research on a Single Phase-Loss Fault-Tolerant Control Strategy for a New Flux-Modulated Permanent-Magnet Compact In-Wheel Motor. IEEE Transactions on Energy Conversion, 2016, 31, 658-666.	3.7	29
89	Pole-Changing Flux-Weakening DC-Excited Dual-Memory Machines for Electric Vehicles. IEEE Transactions on Energy Conversion, 2016, 31, 27-36.	3.7	22
90	Power Factor Improvement of a Linear Vernier Permanent-Magnet Machine Using Auxiliary DC Field Excitation. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	67

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91	Comparison of Flux-Switching PM Motors With Different Winding Configurations Using Magnetic Gearing Principle. IEEE Transactions on Magnetics, 2016, 52, 1-8.	1.2	68
92	Field-Oriented Control and Direct Torque Control for Paralleled VSIs Fed PMSM Drives With Variable Switching Frequencies. IEEE Transactions on Power Electronics, 2016, 31, 2417-2428.	5.4	173
93	Overview of energy systems for electric and hybrid vehicles. , 2016, , 1-30.		0
94	A new fault-tolerant flux-reversal doubly-salient magnetless motor drive with four-phase topology. , 2015, , .		2
95	Maximum power point tracking control of a linear magnetic-geared generator for direct-drive wave energy conversion. , 2015, , .		1
96	Comparison of flux-switching machines with and without permanent magnets. Chinese Journal of Electrical Engineering, 2015, 1, 78-84.	2.3	6
97	Control and Performance Evaluation of Multiphase FSPM Motor in Low-Speed Region for Hybrid Electric Vehicles. Energies, 2015, 8, 10335-10353.	1.6	9
98	Analysis, design and experimental verification of a fieldâ€modulated permanentâ€magnet machine for directâ€drive wind turbines. IET Electric Power Applications, 2015, 9, 150-159.	1.1	54
99	Fault tolerant control of triple star-winding flux switching permanent magnet motor drive due to open phase. , 2015, , .		4
100	Complex-conjugate control of a linear magnetic-geared permanent-magnet machine for Archimedes wave swing based power generation. , 2015, , .		2
101	Electromagnetic design of a new hybrid-excited flux-switching machine for fault-tolerant operations. , 2015, , .		0
102	Fault signature of a flux-switching DC-field generator. , 2015, , .		3
103	Comparison of winding arrangements of a linear stator permanent magnet vernier machine. , 2015, , .		0
104	A six-phase transverse-flux-reversal linear machine for low-speed reciprocating power generation. , 2015, , .		1
105	A New Hybrid-Structure Machine With Multimode Fault-Tolerant Operation for Mars Rover. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	12
106	Design and analysis of a dualâ€mode fluxâ€switching doubly salient DCâ€field magnetless machine for wind power harvesting. IET Renewable Power Generation, 2015, 9, 908-915.	1.7	13
107	Quantitative comparison of permanent magnet linear machines for ropeless elevator. , 2015, , .		2
108	Quantitative comparison of permanent magnet linear machines for ropeless elevator. , 2015, , .		0

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109	Performance Analysis of a Flux-Concentrating Field-Modulated Permanent-Magnet Machine for Direct-Drive Applications. IEEE Transactions on Magnetics, 2015, 51, 1-11.	1.2	29
110	A New Magnetless Flux-Reversal HTS Machine for Direct-Drive Application. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	31
111	Design and Analysis of a New HTS Axial-Field Flux-Switching Machine. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	22
112	Linear primary permanent magnet vernier machine for wave energy conversion. IET Electric Power Applications, 2015, 9, 203-212.	1.1	47
113	Design and Analysis of a Cost-Effective Magnetless Multiphase Flux-Reversal DC-Field Machine for Wind Power Generation. IEEE Transactions on Energy Conversion, 2015, 30, 1565-1573.	3.7	45
114	Sensorless SVPWM-FADTC of a New Flux-Modulated Permanent-Magnet Wheel Motor Based on a Wide-Speed Sliding Mode Observer. IEEE Transactions on Industrial Electronics, 2015, 62, 3143-3151.	5.2	109
115	Comparative Analysis and Experimental Verification of an Effective Permanent-Magnet Vernier Machine. IEEE Transactions on Magnetics, 2015, 51, 1-9.	1.2	14
116	Homogeneous Wireless Power Transfer for Move-and-Charge. IEEE Transactions on Power Electronics, 2015, 30, 6213-6220.	5.4	107
117	Design and analysis of an advanced magnetic variable gear for hybrid electric vehicles. , 2015, , .		4
118	A positioning-tolerant wireless charging system for roadway-powered electric vehicles. Journal of Applied Physics, 2015, 117, .	1.1	16
119	Modular inductive power transmission system for high misalignment electric vehicle application. Journal of Applied Physics, 2015, 117, .	1.1	29
120	Multiple-receptor wireless power transfer for magnetic sensors charging on Mars via magnetic resonant coupling. Journal of Applied Physics, 2015, 117, .	1.1	21
121	Wireless power transfer and fault diagnosis of high-voltage power line via robotic bird. Journal of Applied Physics, 2015, 117, .	1.1	18
122	A new permanent-magnet vernier direct-drive in-wheel motor for electric vehicles. , 2015, , .		1
123	A new hybrid-structure machine with multi-mode fault-tolerant operation for Mars Rover. , 2015, , .		0
124	Electromagnetic design of a new hybrid-excited flux-switching machine for fault-tolerant operation. , 2015, , .		0
125	Fault Signature of a Flux-Switching DC-Field Generator. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	5
126	Energy-security-based contactless battery charging system for roadway-powered electric vehicles. , 2015, , .		6

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127	Energy Encryption for Wireless Power Transfer. IEEE Transactions on Power Electronics, 2015, 30, 5237-5246.	5.4	111
128	Overview of Wireless Charging Technologies for Electric Vehicles. Journal of Asian Electric Vehicles, 2014, 12, 1679-1685.	0.4	52
129	Design of a High-speed Superconducting Bearingless Machine for Flywheel Energy Storage Systems. IEEE Transactions on Applied Superconductivity, 2014, , 1-1.	1.1	15
130	Comparison of Linear Primary Permanent Magnet Vernier Machine and Linear Vernier Hybrid Machine. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	45
131	Chaotic modulation for vehicle-to-grid power interface. , 2014, , .		1
132	A feasibility study on a new brushless and gearless contra-rotating permanent magnet wind power generator. Journal of Applied Physics, 2014, 115, .	1.1	5
133	Electromagnetic Design of a New Electrically Controlled Magnetic Variable-Speed Gearing Machine. Energies, 2014, 7, 1539-1554.	1.6	23
134	A Magnetless Axial-Flux Machine for Range-Extended Electric Vehicles. Energies, 2014, 7, 1483-1499.	1.6	31
135	Fault tolerant control of harmonic injected nine-phase flux switching permanent magnet motor drive system. , 2014, , .		10
136	Performance comparisons of emerging move-and-charge technologies for electric vehicles. , 2014, , .		0
137	Quantitative comparison of dynamic flux distribution of magnetic couplers for roadway electric vehicle wireless charging system. Journal of Applied Physics, 2014, 115, .	1.1	18
138	Magnetic Vibration Analysis of a New DC-Excited Multitoothed Switched Reluctance Machine. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	19
139	Design and loss analysis of a new self-decelerating PM in-wheel motor. , 2014, , .		0
140	Design and Analysis of a Magnetless Flux-Switching DC-Excited Machine for Wind Power Generation. Journal of International Council on Electrical Engineering, 2014, 4, 80-87.	0.4	7
141	An efficient offshore wind-wave hybrid generation system using direct-drive multitoothed rotating and linear machines. , 2014, , .		2
142	Mechanical Offset for Torque Ripple Reduction for Magnetless Double-Stator Doubly Salient Machine. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	20
143	A High-Torque Magnetless Axial-Flux Doubly Salient Machine for In-Wheel Direct Drive Applications. IEEE Transactions on Magnetics, 2014, 50, 1-5.	1.2	26
144	Quantitative Analysis of Mutual Inductance for Optimal Wireless Power Transfer via Magnetic Resonant Coupling. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	42

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145	Comparison and Analysis of Flux-Switching Permanent-Magnet Double-Rotor Machine With 4QT Used for HEV. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	30
146	New Approach for Pole-Changing With Dual-Memory Machine. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.1	8
147	Design and Analysis of a Flux-Controllable Linear Variable Reluctance Machine. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.1	10
148	Investigation of energy harvesting for magnetic sensor arrays on Mars by wireless power transmission. Journal of Applied Physics, 2014, 115, .	1.1	18
149	Design and Analysis of a New Magnetic-Geared Memory Machine. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	8
150	Overview of electric machines for electric and hybrid vehicles. International Journal of Vehicle Design, 2014, 64, 46.	0.1	58
151	Design and Analysis of a New Magnetic Gear With Multiple Gear Ratios. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.1	15
152	Design and Analysis of a New Multitoothed Magnetless Doubly Salient Machine. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.1	16
153	An efficient wireless power transfer system with security considerations for electric vehicle applications. Journal of Applied Physics, 2014, 115, .	1.1	47
154	Pure electric vehicles. , 2014, , 655-684.		22
155	Integrated Energy Management of Plug-in Electric Vehicles in Power Grid With Renewables. IEEE Transactions on Vehicular Technology, 2014, 63, 3019-3027.	3.9	156
156	Cost-Effectiveness Comparison of Coaxial Magnetic Gears With Different Magnet Materials. IEEE Transactions on Magnetics, 2014, 50, 821-824.	1.2	42
157	Opportunities and Challenges of Vehicle-to-Home, Vehicle-to-Vehicle, and Vehicle-to-Grid Technologies. Proceedings of the IEEE, 2013, 101, 2409-2427.	16.4	612
158	Analysis of Tooth-Tip Flux Leakage in Surface-Mounted Permanent Magnet Linear Vernier Machines. IEEE Transactions on Magnetics, 2013, 49, 3949-3952.	1.2	53
159	Quantitative Comparison and Analysis of Magnetless Machines With Reluctance Topologies. IEEE Transactions on Magnetics, 2013, 49, 3969-3972.	1.2	32
160	Design and Analysis of a HTS Flux-Switching Machine for Wind Energy Conversion. IEEE Transactions on Applied Superconductivity, 2013, 23, 5000904-5000904.	1.1	23
161	Design and analysis of a DC field multitooth switched reluctance machine by using soft-magnetic-composite material. , 2013, , .		1
162	Overview of wireless power transfer for electric vehicle charging. , 2013, , .		80

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163	Simulation of the Linear Primary Permanent Magnet Vernier machine system for wave energy conversion. , 2013, , .		2
164	Remedial Injected-Harmonic-Current Operation of Redundant Flux-Switching Permanent-Magnet Motor Drives. IEEE Transactions on Industrial Electronics, 2013, 60, 151-159.	5.2	127
165	Analysis and Stabilization of Chaos in the Electric-Vehicle Steering System. IEEE Transactions on Vehicular Technology, 2013, 62, 118-126.	3.9	22
166	A Linear Stator Permanent Magnet Vernier Machine Using Variable Halbach Arrays. Applied Mechanics and Materials, 2013, 416-417, 305-310.	0.2	3
167	Development of Dual-memory Motor Drives for Electric Vehicles. Journal of International Council on Electrical Engineering, 2013, 3, 192-198.	0.4	4
168	A new coaxial magnetic gear using stationary permanent magnet ring. , 2013, , .		1
169	Fault Diagnosis of Power Components in Electric Vehicles. Journal of Asian Electric Vehicles, 2013, 11, 1659-1666.	0.4	18
170	Design and Analysis of Magnet Proportioning for Dual-Memory Machines. IEEE Transactions on Applied Superconductivity, 2012, 22, 4905404-4905404.	1.1	13
171	Control and operation of fault-tolerant flux-switching permanent-magnet motor drive with second harmonic current injection. IET Electric Power Applications, 2012, 6, 707.	1.1	44
172	Chaotic Speed Synchronization Control of Multiple Induction Motors Using Stator Flux Regulation. IEEE Transactions on Magnetics, 2012, 48, 4487-4490.	1.2	46
173	Design Principles of Permanent Magnet Dual-Memory Machines. IEEE Transactions on Magnetics, 2012, 48, 3234-3237.	1.2	18
174	Novel Design of Double-Stator Single-Rotor Magnetic-Geared Machines. IEEE Transactions on Magnetics, 2012, 48, 4180-4183.	1.2	72
175	Power Compensation and Power Quality Improvement Based on Multiple-Channel Current Source Converter Fed HT SMES. IEEE Transactions on Applied Superconductivity, 2012, 22, 5701204-5701204.	1.1	13
176	Transient Stability Analysis of SMES for Smart Grid With Vehicle-to-Grid Operation. IEEE Transactions on Applied Superconductivity, 2012, 22, 5701105-5701105.	1.1	32
177	Quantitative Comparison of Double-Stator Permanent Magnet Vernier Machines With and Without HTS Bulks. IEEE Transactions on Applied Superconductivity, 2012, 22, 5202405-5202405.	1.1	25
178	Performance and Cost Comparison of Permanent-Magnet Vernier Machines. IEEE Transactions on Applied Superconductivity, 2012, 22, 5202304-5202304.	1.1	26
179	Analysis of Chaos in Josephson Junctions With External Magnetic Field for High-Precision Voltage Measurement in Electric Vehicles. IEEE Transactions on Applied Superconductivity, 2012, 22, 4904704-4904704.	1.1	2
180	Optimal design and implementation of a permanent magnet linear vernier machine for direct-drive wave energy extraction. , 2012, , .		4

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181	SMES Control for Power Grid Integrating Renewable Generation and Electric Vehicles. IEEE Transactions on Applied Superconductivity, 2012, 22, 5701804-5701804.	1.1	20
182	A Linear Stator Permanent Magnet Vernier HTS Machine for Wave Energy Conversion. IEEE Transactions on Applied Superconductivity, 2012, 22, 5202505-5202505.	1.1	33
183	Genetic Algorithm Based Cost-emission Optimization of Unit Commitment Integrating with Gridable Vehicles. Journal of Asian Electric Vehicles, 2012, 10, 1567-1573.	0.4	6
184	Development of Non-rare-earth Magnetic Gears for Electric Vehicles. Journal of Asian Electric Vehicles, 2012, 10, 1607-1613.	0.4	13
185	Analysis and control of chaos for lateral dynamics of electric vehicles. , 2011, , .		0
186	Analytical Method for Magnetic Field Calculation in a Low-Speed Permanent-Magnet Harmonic Machine. IEEE Transactions on Energy Conversion, 2011, 26, 862-870.	3.7	79
187	Simulation of a linear permanent magnet vernier machine for direct-drive wave power generation. , 2011, , .		6
188	Theory and comparison of the linear stator permanent magnet vernier machine. , 2011, , .		6
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