

Emil Levi

List of Publications by Year in descending order

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191
papers

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3549
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#	ARTICLE	IF	CITATIONS
1	Near-Complete Suppression of Harmonic Currents in SPMSMs Caused by Back EMF and Dead Time. IEEE Transactions on Industrial Electronics, 2023, 70, 4472-4484.	7.9	2
2	Outstanding Paper Awards and Distinguished Reviewers. IEEE Transactions on Industrial Electronics, 2022, 69, 5385-5385.	7.9	0
3	Optimal Third-Harmonic Current Injection for Asymmetrical Multiphase Permanent Magnet Synchronous Machines. IEEE Transactions on Industrial Electronics, 2021, 68, 2772-2783.	7.9	38
4	General Torque Enhancement Approach for a Nine-Phase Surface PMSM With Built-In Fault Tolerance. IEEE Transactions on Industrial Electronics, 2021, 68, 6412-6423.	7.9	26
5	Modular Vector Control of Multi-Three-Phase Permanent Magnet Synchronous Motors. IEEE Transactions on Industrial Electronics, 2021, 68, 9136-9147.	7.9	39
6	Best Papers and Distinguished Reviewers. IEEE Transactions on Industrial Electronics, 2021, 68, 4564-4564.	7.9	0
7	A Novel Matrix Transformation for Decoupled Control of Modular Multiphase PMSM Drives. IEEE Transactions on Power Electronics, 2021, 36, 8088-8101.	7.9	27
8	Regenerative Test for Multiple Three-Phase Machines With Even Number of Neutral Points. IEEE Transactions on Industrial Electronics, 2020, 67, 1684-1694.	7.9	13
9	Optimal Multi-Harmonic Current Injection Strategy for an Asymmetrical Nine-Phase PMSM. , 2020, , .		2
10	Best Papers and Distinguished Reviewers. IEEE Transactions on Industrial Electronics, 2020, 67, 4269-4269.	7.9	0
11	Optimal Selection of Rotor Bar Number in Multiphase Cage Induction Motors. IEEE Access, 2020, 8, 135558-135568.	4.2	12
12	Symmetrical/Asymmetrical Winding Reconfiguration in Multiphase Machines. IEEE Access, 2020, 8, 12835-12844.	4.2	28
13	Optimal Selection of Rotor Bar Number for Minimizing Torque and Current Pulsations Due to Rotor Slot Harmonics in Three-Phase Cage Induction Motors. IEEE Access, 2020, 8, 228572-228585.	4.2	13
14	Saturated VSD model of a six-phase induction machine. IET Electric Power Applications, 2020, 14, 2762-2771.	1.8	1
15	A Novel Synthetic Loading Method for Multiple Three-Phase Winding Electric Machines. IEEE Transactions on Energy Conversion, 2019, 34, 70-78.	5.2	23
16	Constrained Model Predictive Control in Nine-Phase Induction Motor Drives. IEEE Transactions on Energy Conversion, 2019, 34, 1881-1889.	5.2	35
17	Direct Torque and Predictive Control Strategies in Nine-Phase Electric Drives Using Virtual Voltage Vectors. IEEE Transactions on Power Electronics, 2019, 34, 12106-12119.	7.9	48
18	Active and Reactive Power Sharing Between Three-Phase Winding Sets of a Multiphase Induction Machine. IEEE Transactions on Energy Conversion, 2019, 34, 1401-1410.	5.2	14

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19	Dc-link voltage stability analysis technique for hybrid five-phase open winding drives. IET Electric Power Applications, 2019, 13, 1708-1716.	1.8	0
20	Optimal Third-Harmonic Current Injection for an Asymmetrical Nine-phase PMSM with Non-Sinusoidal back-EMF. , 2019, , .		3
21	Arbitrary i_d current sharing in three-phase winding sets of multi-phase machines. Journal of Engineering, 2019, 2019, 4173-4177.	1.1	9
22	Control of a Symmetrical Nine-phase PMSM with Highly Non-Sinusoidal Back-Electromotive Force Using Third harmonic Current Injection. , 2019, , .		8
23	Sensorless Control of a Nine-phase Surface Mounted Permanent Magnet Synchronous Machine with Highly Non-Sinusoidal Back-EMF. , 2019, , .		7
24	Introduction to the Special Section on Intelligent Fault Monitoring and Fault-Tolerant Control in Power Electronics, Drives and Renewable Energy Systems. Power Electronics and Drives, 2019, 4, 163-165.	0.9	0
25	Performance improvement in six-phase symmetrical induction motor by using synthetic voltage vector based direct torque control. IET Electric Power Applications, 2019, 13, 1638-1646.	1.8	6
26	Interplane cross-saturation in multiphase machines. IET Electric Power Applications, 2019, 13, 1812-1822.	1.8	10
27	Digital Current Controller With Error-Free Feedback Acquisition and Active Resistance. IEEE Transactions on Industrial Electronics, 2018, 65, 1980-1990.	7.9	45
28	Arbitrary Power Sharing Among Three-Phase Winding Sets of Multiphase Machines. IEEE Transactions on Industrial Electronics, 2018, 65, 1128-1139.	7.9	102
29	Analysis of a Symmetrical Nine-phase Machine with Highly Non-Sinusoidal Back-Electromotive Force. , 2018, , .		10
30	Vector Control of Multiple Three-Phase Permanent Magnet Motor Drives. , 2018, , .		12
31	Synthetic Loading for Symmetrical and Asymmetrical Nine-Phase Machines. , 2018, , .		4
32	Decoupled PWM Control of a Dual-Inverter Four-Level Five-Phase Drive. IEEE Transactions on Power Electronics, 2017, 32, 3719-3730.	7.9	27
33	Parameter Estimation of Asymmetrical Six-Phase Induction Machines Using Modified Standard Tests. IEEE Transactions on Industrial Electronics, 2017, 64, 6075-6085.	7.9	74
34	Techniques for power sharing between winding sets of multiple three-phase machines. , 2017, , .		9
35	A Simple Braking Method for Six-Phase Induction Motor Drives With Unidirectional Power Flow in the Base-Speed Region. IEEE Transactions on Industrial Electronics, 2017, 64, 6032-6041.	7.9	28
36	Integration of Six-Phase EV Drivetrains Into Battery Charging Process With Direct Grid Connection. IEEE Transactions on Energy Conversion, 2017, 32, 1012-1022.	5.2	68

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37	Direct Torque Control Scheme for a Six-Phase Induction Motor With Reduced Torque Ripple. IEEE Transactions on Power Electronics, 2017, 32, 7118-7129.	7.9	118
38	A Three-Phase Digital Current Controller With Improved Performance Indices. IEEE Transactions on Energy Conversion, 2017, 32, 184-193.	5.2	19
39	Efficiency Evaluation of Fully Integrated On-Board EV Battery Chargers With Nine-Phase Machines. IEEE Transactions on Energy Conversion, 2017, 32, 257-266.	5.2	68
40	Vector space decomposition algorithm for asymmetrical multiphase machines. , 2017, , .		31
41	Space vector PWM technique for a three-level asymmetrical six-phase drive. , 2017, , .		5
42	Voltage balancing control of a symmetrical nine-phase machine with series-connected DC links. , 2017, , .		8
43	Performance comparison of symmetrical and asymmetrical six-phase open-end winding drives with carrier-based PWM. , 2017, , .		6
44	Dual three-phase PM generator parameter identification using experimental and simulated system responses. , 2017, , .		5
45	Phase voltage harmonic imbalance in asymmetrical multiphase machines with single neutral point. , 2016, , .		2
46	Modelling approaches for triple three-phase permanent magnet machines. , 2016, , .		11
47	An EV Drive-Train With Integrated Fast Charging Capability. IEEE Transactions on Power Electronics, 2016, 31, 1461-1471.	7.9	95
48	Advances in Converter Control and Innovative Exploitation of Additional Degrees of Freedom for Multiphase Machines. IEEE Transactions on Industrial Electronics, 2016, 63, 433-448.	7.9	506
49	Overview of fast on-board integrated battery chargers for electric vehicles based on multiphase machines and power electronics. IET Electric Power Applications, 2016, 10, 217-229.	1.8	111
50	Single-Phase On-Board Integrated Battery Chargers for EVs Based on Multiphase Machines. IEEE Transactions on Power Electronics, 2016, 31, 6511-6523.	7.9	115
51	Multiphase machines and drives - Revisited. IEEE Transactions on Industrial Electronics, 2016, 63, 429-432.	7.9	210
52	Fault-Tolerant Operation of Six-Phase Energy Conversion Systems With Parallel Machine-Side Converters. IEEE Transactions on Power Electronics, 2016, 31, 3068-3079.	7.9	69
53	AC Current Controller with Error-Free Feedback Acquisition System. IEEE Transactions on Energy Conversion, 2016, 31, 381-391.	5.2	46
54	Isolated Chargers for EVs Incorporating Six-Phase Machines. IEEE Transactions on Industrial Electronics, 2016, 63, 653-664.	7.9	94

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55	A simple braking method for six-phase induction motor drives with diode front-end rectifier. , 2015, , .		9
56	A multilevel five-phase open-end winding drive with unequal DC-link voltages. , 2015, , .		2
57	Space vector pulse-width modulation technique for an eleven-phase voltage source inverter with sinusoidal output voltage generation. IET Power Electronics, 2015, 8, 1000-1008.	2.1	11
58	A review of single-phase on-board integrated battery charging topologies for electric vehicles. , 2015, , .		56
59	Onboard Integrated Battery Charger for EVs Using an Asymmetrical Nine-Phase Machine. IEEE Transactions on Industrial Electronics, 2015, 62, 3285-3295.	7.9	134
60	Analytical Formulas for Phase Voltage RMS Squared and THD in PWM Multiphase Systems. IEEE Transactions on Power Electronics, 2015, 30, 1645-1656.	7.9	37
61	Decoupled modulation techniques for a four-level five-phase open-end winding drive. , 2014, , .		8
62	A fast on-board integrated battery charger for four-motor EVs. , 2014, , .		10
63	A Fast On-Board Integrated Battery Charger for EVs Using an Asymmetrical Six-Phase Machine. , 2014, , .		15
64	Current Control Methods for an Asymmetrical Six-Phase Induction Motor Drive. IEEE Transactions on Power Electronics, 2014, 29, 407-417.	7.9	219
65	A Space Vector PWM With Common-Mode Voltage Elimination for Open-End Winding Five-Phase Drives With a Single DC Supply. IEEE Transactions on Industrial Electronics, 2014, 61, 2197-2207.	7.9	126
66	Operation of a Six-Phase Induction Machine Using Series-Connected Machine-Side Converters. IEEE Transactions on Industrial Electronics, 2014, 61, 164-176.	7.9	137
67	A Fault-Tolerant Two-Motor Drive With FCS-MP-Based Flux and Torque Control. IEEE Transactions on Industrial Electronics, 2014, 61, 6603-6614.	7.9	51
68	A Comparative Study of Synchronous Current Control Schemes Based on FCS-MPC and PI-PWM for a Two-Motor Three-Phase Drive. IEEE Transactions on Industrial Electronics, 2014, 61, 3867-3878.	7.9	115
69	Postfault Operation of an Asymmetrical Six-Phase Induction Machine With Single and Two Isolated Neutral Points. IEEE Transactions on Power Electronics, 2014, 29, 5406-5416.	7.9	303
70	FCS-MPC-Based Current Control of a Five-Phase Induction Motor and its Comparison with PI-PWM Control. IEEE Transactions on Industrial Electronics, 2014, 61, 149-163.	7.9	233
71	Carrier-based pulse-width modulation techniques for asymmetrical six-phase open-end winding drives. IET Electric Power Applications, 2013, 7, 441-452.	1.8	34
72	Multiphase integrated on-board battery chargers for electrical vehicles. , 2013, , .		14

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73	On-board integrated battery chargers for electric vehicles using nine-phase machines. , 2013, , .		24
74	An improved two-motor three-phase drive using FCS-MPC based flux and torque control with voltage constraint consideration. , 2013, , .		9
75	Recent advances in power electronic converter control for multiphase drive systems. , 2013, , .		34
76	Investigation of Carrier-Based PWM Techniques for a Five-Phase Open-End Winding Drive Topology. IEEE Transactions on Industrial Electronics, 2013, 60, 2054-2065.	7.9	95
77	Variable-Speed Five-Phase Induction Motor Drive Based on Predictive Torque Control. IEEE Transactions on Industrial Electronics, 2013, 60, 2957-2968.	7.9	144
78	Model Predictive Control of a Two-Motor Drive With Five-Leg-Inverter Supply. IEEE Transactions on Industrial Electronics, 2013, 60, 54-65.	7.9	99
79	A Vector Space Decomposition Based Space Vector PWM Algorithm for a Three-Level Seven-Phase Voltage Source Inverter. IEEE Transactions on Power Electronics, 2013, 28, 637-649.	7.9	71
80	Experimental magnetizing inductance identification in five-phase induction machines. , 2013, , .		5
81	Sensitivity to electrical parameter variations of Predictive Current Control in multiphase drives. , 2013, , .		26
82	Four-level five-phase open-end winding drive with unequal DC-link voltages. , 2013, , .		11
83	A Dual Five-Phase Space-Vector Modulation Algorithm Based on the Decomposition Method. IEEE Transactions on Industry Applications, 2012, 48, 2110-2120.	4.9	31
84	Parameter Identification of Multiphase Induction Machines With Distributed Windingsâ€”Part 1: Sinusoidal Excitation Methods. IEEE Transactions on Energy Conversion, 2012, 27, 1056-1066.	5.2	138
85	A Space-Vector Modulation Scheme for Multilevel Open-End Winding Five-Phase Drives. IEEE Transactions on Energy Conversion, 2012, 27, 1-10.	5.2	227
86	Parameter Identification of Multiphase Induction Machines With Distributed Windingsâ€”Part 2: Time-Domain Techniques. IEEE Transactions on Energy Conversion, 2012, 27, 1067-1077.	5.2	108
87	Model predictive current control of a five-phase induction motor. , 2011, , .		14
88	Output current ripple analysis for asymmetrical six-phase drives using double zero-sequence injection PWM. , 2011, , .		20
89	Multidimensional Two-Level Multiphase Space Vector PWM Algorithm and Its Comparison With Multifrequency Space Vector PWM Method. IEEE Transactions on Industrial Electronics, 2011, 58, 465-475.	7.9	55
90	Switching Ripple Characteristics of Space Vector PWM Schemes for Five-Phase Two-Level Voltage Source Invertersâ€”Part 2: Current Ripple. IEEE Transactions on Industrial Electronics, 2011, 58, 2799-2808.	7.9	62

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91	An Enhanced Predictive Current Control Method for Asymmetrical Six-Phase Motor Drives. IEEE Transactions on Industrial Electronics, 2011, 58, 3242-3252.	7.9	128
92	Comparative Analysis of Discontinuous and Continuous PWM Techniques in VSI-Fed Five-Phase Induction Motor. IEEE Transactions on Industrial Electronics, 2011, 58, 5324-5335.	7.9	104
93	Switching Ripple Characteristics of Space Vector PWM Schemes for Five-Phase Two-Level Voltage Source Inverters—Part 1: Flux Harmonic Distortion Factors. IEEE Transactions on Industrial Electronics, 2011, 58, 2789-2798.	7.9	73
94	Carrier-based modulation techniques for five-phase open-end winding drive topology. , 2011, , .		9
95	Multi-level space-vector PWM algorithm for seven-phase open-end winding drives. , 2011, , .		18
96	A three-level five-phase space-vector modulation algorithm based on the decomposition method. , 2011, , .		4
97	A five-phase multilevel space-vector PWM algorithm for a dual-inverter supplied drive. , 2010, , .		11
98	A multiphase dual-inverter supplied drive structure for electric and hybrid electric vehicles. , 2010, , .		23
99	A modified continuous PWM technique for asymmetrical six-phase induction machines. , 2010, , .		10
100	A four-motor drive supplied from a triple three-phase voltage source inverter. , 2010, , .		5
101	Current ripple in inverter-fed five-phase drives with space-vector PWM. , 2010, , .		2
102	Predictive Torque Control for five-phase induction motor drives. , 2010, , .		15
103	Dc bus utilisation in multiphase VSI supplied drives with a composite stator phase number. , 2010, , .		16
104	Analysis of Output Current-Ripple RMS in Multiphase Drives Using Polygon Approach. IEEE Transactions on Power Electronics, 2010, 25, 1838-1849.	7.9	58
105	DC-bus utilisation in series-connected multi-phase machines supplied from a VSI with a composite phase number. , 2010, , .		3
106	Harmonic losses of multi-phase PWM inverter-fed drives. , 2009, , .		3
107	A Modified Sector Based Space Vector PWM Technique for Five-Phase Drives. IEEJ Transactions on Electrical and Electronic Engineering, 2009, 4, 453-464.	1.4	5
108	The Impact of inverter dead time on performance of n-motor drives supplied from (2n+1)-leg VSI. , 2009, , .		3

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109	Analysis of Output Current Ripple rms in Multiphase Drives Using Space Vector Approach. IEEE Transactions on Power Electronics, 2009, 24, 1926-1938.	7.9	104
110	A Dual Seven-Level Inverter Supply for an Open-End Winding Induction Motor Drive. IEEE Transactions on Industrial Electronics, 2009, 56, 1665-1673.	7.9	94
111	A General PWM Method for a $(2n + 1)$ -Leg Inverter Supplying n Three-Phase Machines. IEEE Transactions on Industrial Electronics, 2009, 56, 4107-4118.	7.9	59
112	Parallel-Connected Multiphase Multidrive Systems With Single Inverter Supply. IEEE Transactions on Industrial Electronics, 2009, 56, 2047-2057.	7.9	76
113	An improved PWM method for a five-leg inverter supplying two three-phase motors. , 2008, , .		22
114	A performance comparison of PWM techniques for five-leg VSIs supplying two-motor drives. , 2008, , .		35
115	Multiphase Electric Machines for Variable-Speed Applications. IEEE Transactions on Industrial Electronics, 2008, 55, 1893-1909.	7.9	1,738
116	A Space Vector PWM Scheme for Multifrequency Output Voltage Generation With Multiphase Voltage-Source Inverters. IEEE Transactions on Industrial Electronics, 2008, 55, 1943-1955.	7.9	106
117	General Modulation Strategy for Seven-Phase Inverters With Independent Control of Multiple Voltage Space Vectors. IEEE Transactions on Industrial Electronics, 2008, 55, 1921-1932.	7.9	69
118	Analytical Determination of DC-Bus Utilization Limits in Multiphase VSI Supplied AC Drives. IEEE Transactions on Energy Conversion, 2008, 23, 433-443.	5.2	106
119	Current control issues in rotor flux oriented multiphase induction motor drives. , 2008, , .		1
120	A two-motor centre-driven winder drive with a reduced switch count. , 2008, , .		10
121	A PWM method for seven-leg inverters supplying three three-phase motors. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	4
122	A Novel Five-leg Inverter PWM Technique for Two-Motor Centre-Driven Winders. , 2007, , .		6
123	A Space Vector PWM Technique for Symmetrical Six-Phase Voltage Source Inverters. EPE Journal (European Power Electronics and Drives Journal), 2007, 17, 24-32.	0.7	25
124	A five-level inverter scheme with common-mode voltage elimination by cascading conventional two-level and three-level NPC inverters for an induction motor drive. , 2007, , .		11
125	A Reduced-Switch-Count Five-Level Inverter With Common-Mode Voltage Elimination for an Open-End Winding Induction Motor Drive. IEEE Transactions on Industrial Electronics, 2007, 54, 2344-2351.	7.9	114
126	Modeling, Control, and Experimental Investigation of a Five-Phase Series-Connected Two-Motor Drive With Single Inverter Supply. IEEE Industrial Electronics Magazine, 2007, 54, 1504-1516.	2.6	89

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127	Multi-dimensional space vector pulse width modulation for disturbance-free operation of a five-phase AC motor drive. , 2007, , .		7
128	A Five-Phase Two-Motor Centre-Driven Winder with Series-Connected Motors. , 2007, , .		2
129	Real-Time Implementation of Multi-Dimensional Five-Phase Space Vector PWM Using Look-Up Table Techniques. , 2007, , .		7
130	Space Vector PWM for Nine-Phase VSI with Sinusoidal Output Voltage Generation: Analysis and Implementation. , 2007, , .		16
131	A two-motor centre-driven winder drive fed by a five-leg voltage source inverter. , 2007, , .		14
132	Continuous Carrier-Based vs. Space Vector PWM for Five-Phase VSI. , 2007, , .		28
133	Multi-Dimensional Space Vector Pulse Width Modulation Scheme for Five-Phase Series-Connected Two-Motor Drives. , 2007, , .		9
134	Induction Machine/Syn-Rel Two-Motor Five-Phase Series-Connected Drive. IEEE Transactions on Energy Conversion, 2007, 22, 281-289.	5.2	25
135	Continuous PWM Techniques for Sinusoidal Voltage Generation with Seven-Phase Voltage Source Inverters. , 2007, , .		32
136	Multiphase induction motor drives " a technology status review. IET Electric Power Applications, 2007, 1, 489.	1.8	1,332
137	A Series-Connected Two-Motor Six-Phase Drive With Induction and Permanent Magnet Machines. IEEE Transactions on Energy Conversion, 2006, 21, 121-129.	5.2	37
138	Space Vector PWM for a Five-Phase VSI Supplying Two Five-Phase Series-Connected Machines. , 2006, , .		23
139	Steady State Modeling of Series-Connected Five-Phase and Six-Phase Two-Motor Drives. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	11
140	A PWM Scheme for a Five-Phase VSI Supplying a Five-Phase Two-Motor Drive. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	31
141	Independent Control of Two Five-Phase Induction Machines Connected in Parallel to a Single Inverter Supply. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	14
142	Multi-Dimensional Approach to Multi-Phase Space Vector Pulse Width Modulation. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	32
143	Encoderless direct torque controller for limited speed range applications of brushless doubly fed reluctance motors. IEEE Transactions on Industry Applications, 2006, 42, 712-722.	4.9	80
144	Space Vector PWM Techniques for Sinusoidal Output Voltage Generation with a Five-Phase Voltage Source Inverter. Electric Power Components and Systems, 2006, 34, 119-140.	1.8	104

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145	Impact of Stray Load Losses on Vector Control Accuracy in Current-Fed Induction Motor Drives. IEEE Transactions on Energy Conversion, 2006, 21, 442-450.	5.2	42
146	A Six-Phase Series-Connected Two-Motor Drive With Decoupled Dynamic Control. IEEE Transactions on Industry Applications, 2005, 41, 1056-1066.	4.9	58
147	Independent vector control of asymmetrical nine-phase machines by means of series connection. , 2005, , .		19
148	Multi-machine modelling of two series connected 5-phase synchronous machines: effect of harmonics on control. , 2005, , .		20
149	Experimental performance evaluation of six-phase series-connected two-motor drive systems. , 2005, , .		1
150	Space vector modulation schemes for a five-phase voltage source inverter. , 2005, , .		151
151	Rotor-Flux-Oriented Control of Induction Machines Considering the Stray Load Losses. , 2005, , .		3
152	A novel power inverter for switched reluctance motor drives. Facta Universitatis - Series Electronics and Energetics, 2005, 18, 453-465.	0.9	13
153	Operating Principles of a Novel Multiphase Multimotor Vector-Controlled Drive. IEEE Transactions on Energy Conversion, 2004, 19, 508-517.	5.2	71
154	A Novel Concept of a Multiphase, Multimotor Vector Controlled Drive System Supplied From a Single Voltage Source Inverter. IEEE Transactions on Power Electronics, 2004, 19, 320-335.	7.9	223
155	A Five-Phase Two-Machine Vector Controlled Induction Moto Drive Supplied from a Single Inverter. EPE Journal (European Power Electronics and Drives Journal), 2004, 14, 38-48.	0.7	41
156	A review of RFO induction motor parameter estimation techniques. IEEE Transactions on Energy Conversion, 2003, 18, 271-283.	5.2	318
157	Online identification of the mutual inductance for vector controlled induction motor drives. IEEE Transactions on Energy Conversion, 2003, 18, 299-305.	5.2	31
158	Robust DSP-based efficiency optimization of a variable speed induction motor drive. IEEE Transactions on Industrial Electronics, 2003, 50, 560-570.	7.9	69
159	A stator resistance estimation scheme for speed sensorless rotor flux oriented induction motor drives. IEEE Transactions on Energy Conversion, 2003, 18, 476-483.	5.2	151
160	A method for transient torque response improvement in optimum efficiency induction motor drives. IEEE Transactions on Energy Conversion, 2003, 18, 484-493.	5.2	35
161	A comparative analysis of fuzzy logic and PI speed control in high-performance AC drives using experimental approach. IEEE Transactions on Industry Applications, 2002, 38, 1210-1218.	4.9	122
162	A speed estimator for high performance sensorless control of induction motors in the field weakening region. IEEE Transactions on Power Electronics, 2002, 17, 365-378.	7.9	63

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163	A method for magnetizing curve identification in rotor flux oriented induction machines. IEEE Transactions on Energy Conversion, 2000, 15, 157-162.	5.2	70
164	A Novel Induction Machine Model and its Application in the Development of an Advanced Vector Control Scheme. International Journal of Electrical Engineering and Education, 2000, 37, 233-248.	0.8	17
165	Impact of dynamic cross-saturation on accuracy of saturated synchronous machine models. IEEE Transactions on Energy Conversion, 2000, 15, 224-230.	5.2	97
166	Modelling of magnetic saturation in smooth air-gap synchronous machines. IEEE Transactions on Energy Conversion, 1997, 12, 151-156.	5.2	18
167	Main flux saturation modelling in double-cage and deep-bar induction machines. IEEE Transactions on Energy Conversion, 1996, 11, 305-311.	5.2	36
168	Impact of iron loss on behavior of vector controlled induction machines. IEEE Transactions on Industry Applications, 1995, 31, 1287-1296.	4.9	185
169	ROTOR FLUX COMPUTATION IN SATURATED FIELD-ORIENTED INDUCTION MACHINES. Electric Power Components and Systems, 1993, 21, 741-754.	0.1	13
170	FIELD-ORIENTED CONTROL OF INDUCTION MACHINES IN THE PRESENCE OF MAGNETIC SATURATION. Electric Power Components and Systems, 1989, 16, 133-147.	0.1	57
171	Representation and compensation of iron loss in rotor flux oriented induction machines. , 0, , .		8
172	Iron losses in current-controlled PWM inverter fed induction machines. , 0, , .		2
173	Impact of iron loss on speed estimation in sensorless vector controlled induction machines. , 0, , .		5
174	Artificial intelligence based gain scheduling of PI speed controller in DC motor drives. , 0, , .		2
175	A speed estimator for sensorless vector control of induction machines in the field weakening region. , 0, , .		3
176	A comparative analysis of fuzzy logic and PI speed control in high performance AC drives using experimental approach. , 0, , .		7
177	Artificial neural network as a gain scheduler for PI speed controller in DC motor drives. , 0, , .		4
178	Aspects of vector and scalar control of brushless doubly fed reluctance machines. , 0, , .		9
179	Core loss in direct torque controlled induction motor drives: detuning and compensation. , 0, , .		10
180	A doubly-fed reluctance motor drive with sensorless direct torque control. , 0, , .		16

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181	Independent vector control of a seven-phase three-motor drive system supplied from a single voltage source inverter. , 0, , .		7
182	Modeling and control of a five-phase series-connected two-motor drive. , 0, , .		23
183	Simulation studies of current regulated PWM VSI fed multi-phase AC machine drives. , 0, , .		2
184	A novel nine-phase four-motor drive system with completely decoupled dynamic control. , 0, , .		3
185	A direct torque controller for limited speed range applications of brushless doubly-fed reluctance motors. , 0, , .		1
186	A novel six-phase series-connected two-motor drive with decoupled dynamic control. , 0, , .		5
187	A five-phase series-connected two-motor drive with current control in the rotating frame. , 0, , .		2
188	Dynamics of a series-connected two-motor five-phase drive system with a single-inverter supply. , 0, , .		31
189	Combining Induction and Permanent Magnet Synchronous Machines in a Series-Connected Six-Phase Vector-Controlled Two-Motor Drive. , 0, , .		3
190	Detuned operation of vector controlled induction machines due to stray load losses. , 0, , .		8
191	Generalised Sinusoidal PWM with Harmonic Injection for Multi-Phase VSIs. , 0, , .		98