

Hamid A Toliyat

List of Publications by Year in Descending Order

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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.

170
papers

3,311
citations

32
h-index

50
g-index

185
ext. papers

4,249
ext. citations

4.9
avg, IF

5.88
L-index

#	Paper	IF	Citations
170	Quantitative Reliability Evaluation of Silicon Carbide-Based Inverters for Multiphase Electric Drives for Electric Vehicles. <i>Power Electronics and Drives</i> , 2022 , 7, 29-42	0.5	
169	Cycloidal Reluctance Magnetic Gears for High Gear Ratio Applications. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	0
168	PD Signal Attenuation in 550-kV GIS: Impact of Different Barriers on the Propagation of Electromagnetic Waves. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-13	5.2	1
167	Analysis and Benchmarking of Radial Flux Cycloidal Magnetic Gears with Reduced Permanent Magnet Piece Count Using Consequent Poles 2021 ,		1
166	Practical Analysis and Design of a 50:1 Cycloidal Magnetic Gear with Balanced Off-Axis Moments and a High Specific Torque for Lunar Robots 2021 ,		1
165	Improvement in DC-Link Utilization With Reduced Current and Torque Deterioration for Five-Phase Drives by Combination of Circulating-Current Filters and Simple Carrier-Based PWM Based on Closed-Form Expressions. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 960-971	8.9	11
164	Characterization of Defects Inside the Cable Dielectric With Partial Discharge Modeling. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	4
163	. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 1954-1969	7.2	12
162	A Parameterized Linear 3D Magnetic Equivalent Circuit for Analysis and Design of Radial Flux Magnetic GearsPart II: Evaluation. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	0
161	Review and Analysis of Coaxial Magnetic Gear Pole Pair Count Selection Effects. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	5
160	. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 36, 2493-2501	5.4	5
159	A Parameterized Linear 3D Magnetic Equivalent Circuit for Analysis and Design of Radial Flux Magnetic GearsPart I: Implementation. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	2
158	PD Signal Propagation in GIS: Ultra-High Frequency Detection-Based Modeling. <i>IEEE Sensors Journal</i> , 2020 , 20, 9417-9426	4	4
157	Performance Analysis of Synchronous Generators Under Stator Windings Ground Faults Near the Star Point - Experimental Verification. <i>IEEE Transactions on Energy Conversion</i> , 2020 , 35, 1402-1410	5.4	6
156	A Scalable Soft-Switching Photovoltaic Inverter With Full-Range ZVS and Galvanic Isolation. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 3919-3931	4.3	2
155	Wavelet Scattering Transform Based Induction Motor Current Signature Analysis 2020 ,		1
154	Comparison of Reluctance and Surface Permanent Magnet Coaxial Magnetic Gears 2020 ,		3

153	Magnetic Gears and Magnetically Geared Machines: An Alternative Compact and Reliable Solution for High-Torque, Low-Speed Systems 2020 , 389-420		
152	Comparison of stator winding connections in multiphase drives under healthy operation and with one open converter leg. <i>IET Electric Power Applications</i> , 2020 , 14, 584-596	1.8	11
151	Partial discharge detection and diagnosis in gas insulated switchgear: State of the art. <i>IEEE Electrical Insulation Magazine</i> , 2019 , 35, 16-33	2.1	36
150	On the Electromagnetic Wave Behavior Due to Partial Discharge in Gas Insulated Switchgears: State-of-Art Review. <i>IEEE Access</i> , 2019 , 7, 75822-75836	3.5	18
149	A Multicell Cascaded High-Frequency Link Inverter With Soft Switching and Isolation. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 2518-2528	8.9	8
148	Performance Impacts of Practical Fabrication Tradeoffs for a Radial Flux Coaxial Magnetic Gear with Halbach Arrays and Air Cores 2019 ,		6
147	Analysis of High Gear Ratio Capabilities for Single-Stage, Series Multistage, and Compound Differential Coaxial Magnetic Gears. <i>IEEE Transactions on Energy Conversion</i> , 2019 , 34, 665-672	5.4	14
146	Wide Bandgap Devices in AC Electric Drives: Opportunities and Challenges. <i>IEEE Transactions on Transportation Electrification</i> , 2019 , 5, 3-20	7.6	86
145	. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 9891-9905	7.2	14
144	. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 1518-1525	7.2	14
143	Multifrequency Current Control Including Distortion-Free Saturation and Antiwindup With Enhanced Dynamics. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 7309-7313	7.2	10
142	Comparison of Surface Mounted Permanent Magnet Coaxial Radial Flux Magnetic Gears Independently Optimized for Volume, Cost, and Mass. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 2237-2245	4.3	27
141	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 6667-6675	8.9	43
140	A Parameterized Linear Magnetic Equivalent Circuit for Analysis and Design of Radial Flux Magnetic Gears Part I: Implementation. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 784-791	5.4	21
139	Adaptive 100% Injection-Based Generator Stator Ground Fault Protection With Real-Time Fault Location Capability. <i>IEEE Transactions on Power Delivery</i> , 2018 , 33, 2364-2372	4.3	16
138	. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 1254-1263	4.3	24
137	A Parameterized Linear Magnetic Equivalent Circuit for Analysis and Design of Radial Flux Magnetic Gears Part II: Evaluation. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 792-800	5.4	9
136	. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 10044-10050	7.2	31

135	Design, Construction, and Analysis of a Large-Scale Inner Stator Radial Flux Magnetically Geared Generator for Wave Energy Conversion. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 3305-3314	4-3	36
134	Speed Estimation Based on Rotor Slot Harmonics in Multiphase Induction Machines Under Open-Phase Fault. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 7980-7993	7-2	22
133	Fault Diagnosis Techniques for Permanent Magnet AC Machine and Drives: A Review of Current State of the Art. <i>IEEE Transactions on Transportation Electrification</i> , 2018 , 4, 444-463	7-6	45
132	Simultaneous Optimization of Geometry and Firing Angles for In-Wheel Switched Reluctance Motor Drive. <i>IEEE Transactions on Transportation Electrification</i> , 2018 , 4, 322-329	7-6	33
131	. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 2250-2259	5-4	11
130	Comparison of Surface Permanent Magnet Coaxial and Cycloidal Radial Flux Magnetic Gears 2018 ,		8
129	A Parameterized Linear Magnetic Equivalent Circuit for Air Core Radial Flux Coaxial Magnetic Gears with Halbach Arrays 2018 ,		6
128	A Coreless Permanent-Magnet Machine for a Magnetically Levitated Shaft-Less Flywheel. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 4288-4296	4-3	9
127	On-line fault diagnosis of multi-phase drives using self-recurrent wavelet neural networks with adaptive learning rates 2017 ,		7
126	A low-cost soft-switching high step-up flyback converter with stacked output cells 2017 ,		3
125	. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 3379-3386	4-3	17
124	Simultaneous optimization of geometry and firing angles of in-wheel switched reluctance motor 2017 ,		4
123	Comparison of coaxial radial flux magnetic gears independently optimized for volume, cost, and mass 2017 ,		2
122	A simple least squares approach for low speed performance analysis of indirect FOC induction motor drive using low-resolution position sensor 2017 ,		1
121	Applications of Wide Bandgap (WBG) devices in AC electric drives: A technology status review 2017 ,		28
120	Design and Analysis of an Axial Flux Magnetically Geared Generator. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 97-105	4-3	32
119	Control of an Electric Machine Integrated With the Trans-Rotary Magnetic Gear in a Motor Drive Train. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 106-114	4-3	16
118	A fault monitoring system for a reciprocating pump driven by a linear motor for oil pumping systems 2017 ,		1

117	Real-time fault isolation in multiphase multilevel NPC converters using active semi-supervised fuzzy clustering algorithm with pairwise constraints 2017,		5
116	A control method for linear permanent magnet electric submersible pumps in a modified integrated drive-motor system 2017,		4
115	Insulation design for Wide Bandgap (WBG) device based voltage source converter fed motors 2017,		4
114	Studying crawling effect in Line-Start Synchronous Reluctance Motors (LS-SynRM) 2016,		10
113	Design of multiphase exterior rotor switched reluctance motor for traction applications 2016,		4
112	Stator inter-turn fault detection for seamless fault-tolerant operation of five-phase induction motors 2016,		3
111	An analytical approach for determining harmonic cusps and torque dips in line start synchronous reluctance motors 2016,		7
110	Design comparison of NdFeB and ferrite radial flux magnetic gears 2016,		5
109	Experimental verification of a novel adaptive stator ground fault protection scheme for synchronous generators 2016,		7
108	Field Oriented Control of tubular PM Linear Motor using linear Hall Effect sensors 2016,		2
107	A novel vehicular integrated power system realized with multi-port series ac link converter 2015,		11
106	2015,		5
105	Analysis of axial field magnetic gears with Halbach arrays 2015,		22
104	Design and analysis of an axial flux magnetically geared generator 2015,		10
103	A Fractional Slot Concentrated Winding (FSCW) configuration for outer rotor squirrel cage induction motors 2015,		12
102	Electromagnetic-thermal coupled analysis method for interior PMSM 2015,		4
101	Single-Stage Multistring PV Inverter With an Isolated High-Frequency Link and Soft-Switching Operation. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 3919-3929	7.2	50
100	Isolated ZVS High-Frequency-Link AC-AC Converter With a Reduced Switch Count. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 4156-4166	7.2	21

- 99 Step-up/down three-phase resonant high-frequency ac-link inverters. *IET Power Electronics*, **2014**, 7, 1246-1255
- 98 A Soft-Switched Three-Phase AC/AC Converter With a High-Frequency AC Link. *IEEE Transactions on Industry Applications*, **2014**, 50, 2637-2647 4-3 11
- 97 AC-Link Universal Power Converters: A New Class of Power Converters for Renewable Energy and Transportation **2014**, 107-135 1
- 96 **2014**, 11
- 95 A novel hysteresis current control switching method for torque ripple minimization in multi-phase motors **2014**, 3
- 94 Piecewise linear modeling of snubberless dual active bridge commutation **2014**, 7
- 93 Design of an outer rotor ferrite assisted synchronous reluctance machine (Fa-SynRM) for electric two wheeler application **2014**, 9
- 92 Dynamic modeling of the trans-rotary magnetic gear for the point-absorbing wave energy conversion systems **2014**, 9
- 91 A Compact Error Management Algorithm to Minimize False-Alarm Rate of Motor/Generator Faults in (Hybrid) Electric Vehicles. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2014**, 2, 618-626 5-6 10
- 90 Performance analysis of a ferrite based fractional horsepower permanent magnet assisted SynRM for fan and pump applications **2013**, 9
- 89 . *IEEE Transactions on Industry Applications*, **2013**, 49, 2217-2228 4-3 66
- 88 Bi-directional sparse parallel partial resonant ac-link inverter **2013**, 1
- 87 Bidirectional series ac-link inverter **2013**, 1
- 86 A ZVS single-inductor multi-input multi-output DC-DC converter with the step up/down capability **2013**, 15
- 85 A step-up/down three-phase resonant high-frequency AC-link inverter **2013**, 7
- 84 Corrections to Remedial Switching Function Approach to Improve Reliability for AC/AC Converters [Jun 07 541-543]. *IEEE Transactions on Energy Conversion*, **2013**, 28, 460-460 5-4
- 83 High impedance grounding for onboard plug-in hybrid electric vehicle chargers **2013**, 14
- 82 Principles of the Trans-Rotary Magnetic Gear. *IEEE Transactions on Magnetics*, **2013**, 49, 883-889 2 41

81	A single-stage multi-string quasi-resonant inverter for grid-tied photovoltaic systems 2013 ,		4
80	Design aspects of high torque density-low speed permanent magnet motor for electric two wheeler applications 2013 ,		8
79	Modeling isolation transformer capacitive components in a dual active bridge power conditioner 2013 ,		16
78	A new generation of buck-boost resonant AC-link DC-DC converters 2013 ,		8
77	Performance analysis of a rare earth magnet based NEMA frame Permanent Magnet assisted Synchronous Reluctance Machine with different magnet type and quantity 2013 ,		12
76	DSP Applications in Electric and Hybrid Electric Vehicles [In the Spotlight]. <i>IEEE Signal Processing Magazine</i> , 2012 , 29, 136-133	9-4	9
75	Wide Operational Speed Range of Five-Phase Permanent Magnet Machines by Using Different Stator Winding Configurations. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 2621-2631	8.9	81
74	Trans-Rotary Magnetic Gear for Wave Energy applicaion 2012 ,		13
73	An electric machine integrated with trans-rotary magnetic gear 2012 ,		12
72	Power factor improvement of synchronous reluctance motors (SynRM) using permanent magnets for drive size reduction 2012 ,		12
71	Standstill position estimation of SPMSM 2012 ,		2
70	A multi-input AC link PV inverter with reduced size and weight 2012 ,		6
69	Reduction of shaft voltages and bearing currents in five-phase induction motors 2012 ,		6
68	Partial resonant AC link converter: A highly reliable variable frequency drive 2012 ,		10
67	Flying-capacitor boost converter 2012 ,		32
66	A new class of PV inverters: Series partial resonant converters 2012 ,		4
65	Design aspects of the Trans-Rotary Magnetic Gear 2012 ,		7
64	Bi-directional partial resonant converters with reduced number of switches 2012 ,		5

63	Extending speed range of five-phase PM machines by changing the stator windings connections 2011 ,		3
62	Passive Suppression of Transient Oscillations in the Concentric Planetary Magnetic Gear. <i>IEEE Transactions on Energy Conversion</i> , 2011 , 26, 933-939	5-4	35
61	Analysis of the Concentric Planetary Magnetic Gear With Strengthened Stator and Interior Permanent Magnet Inner Rotor. <i>IEEE Transactions on Industry Applications</i> , 2011 , 47, 1652-1660	4-3	74
60	Implementation of a Fault-Diagnosis Algorithm for Induction Machines Based on Advanced Digital-Signal-Processing Techniques. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 937-948	8-9	70
59	Diagnosis and isolation of air-gap eccentricities in closed-loop controlled doubly-fed induction generators 2011 ,		2
58	A Simple Real-Time Fault Signature Monitoring Tool for Motor-Drive-Embedded Fault Diagnosis Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 1990-2001	8-9	78
57	Direct Torque and Indirect Flux Control of Brushless DC Motor. <i>IEEE/ASME Transactions on Mechatronics</i> , 2011 , 16, 351-360	5-5	85
56	Damper windings for the magnetic gear 2011 ,		2
55	Incipient bearing fault detection for three-phase Brushless DC motor drive using ANFIS 2011 ,		3
54	A magnetic gear with passive transient suppression capability 2011 ,		1
53	Observer-based sensorless speed control of PM-assisted SynRM for direct drive applications 2010 ,		1
52	A robust sensorless fault diagnosis algorithm for low cost motor drives 2010 ,		2
51	Analysis of the concentric planetary magnetic gear with strengthened stator and interior permanent magnet (IPM) inner rotor 2010 ,		11
50	Direct Torque Control of Four-Switch Brushless DC Motor With Non-Sinusoidal Back EMF. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 263-271	7-2	64
49	Fault Diagnosis Implementation of Induction Machines based on Advanced Digital Signal Processing Techniques 2009 ,		7
48	Comprehensive Eccentricity Fault Diagnosis in Induction Motors Using Finite Element Method. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 1764-1767	2	75
47	Effect of Magnetic Saturation on Static and Mixed Eccentricity Fault Diagnosis in Induction Motor. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 3137-3144	2	42
46	DSP-Based Sensorless Electric Motor Fault Diagnosis Tools for Electric and Hybrid Electric Vehicle Powertrain Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 2150-2159	6-8	25

45	DSP-Based Sensorless Electric Motor Fault-Diagnosis Tools for Electric and Hybrid Electric Vehicle Powertrain Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 2679-2688	6.8	32
44	Battery-utility interface using soft switched AC link buck boost converter 2009 ,		4
43	An analytical model for an N-flux barrier per pole permanent magnet-assisted synchronous reluctance motor 2009 ,		6
42	Optimal design and comparison of stator winding configurations in permanent magnet assisted synchronous reluctance generator 2009 ,		5
41	Optimal design of PM assisted synchronous reluctance generators using lumped parameter model and Differential Evolution Strategy 2009 ,		5
40	Design and comparison of an optimized permanent magnet-assisted synchronous reluctance motor (PMa-SynRM) with an induction motor with identical NEMA Frame stators 2009 ,		14
39	Analytical model-based analysis of high-speed Flywheel Energy Storage Systems for pulsed power applications 2009 ,		5
38	Fault tolerant permanent magnet motor drives for electric vehicles 2009 ,		22
37	Gearing ratios of a magnetic gear for wind turbines 2009 ,		90
36	Gearing ratios of a magnetic gear for marine applications 2009 ,		18
35	Battery-utility interface using soft switched ac link supporting low voltage ride through 2009 ,		15
34	Soft switched ac-link wind power converter 2008 ,		9
33	Low Order PWM Inverter Harmonics Contributions to the Inverter-Fed Induction Machine Fault Diagnosis. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 610-619	8.9	96
32	Soft switched ac-link direct-connect photovoltaic inverter 2008 ,		21
31	Sensorless direct torque and indirect flux control of brushless DC motor with non-sinusoidal back-EMF 2008 ,		10
30	Finite-Element Transient Analysis of Induction Motors Under Mixed Eccentricity Fault. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 66-74	2	105
29	Maximum output power control of permanent magnet-assisted synchronous reluctance generator 2008 ,		2
28	Soft switched ac link buck boost converter. <i>IEEE Applied Power Electronics Conference and Exposition</i> , 2008 ,		22

27	Soft switched ac-link AC/AC and AC/DC buck-boost converter. <i>Power Electronics Specialist Conference (PESC), IEEE, 2008,</i>		25
26	Direct torque control of four-switch brushless DC Motor with non-sinusoidal back-EMF. <i>Power Electronics Specialist Conference (PESC), IEEE, 2008,</i>		8
25	Control design of an advanced high-speed FESS for pulsed power applications 2008,		5
24	PWM Inverter Harmonics Contributions to the Inverter-Fed Induction Machine Bearing Fault Diagnosis. <i>IEEE Applied Power Electronics Conference and Exposition, 2007,</i>		7
23	Coupled Field Analysis Needs in the Design of Submersible Electric Motors 2007,		5
22	Induction Machine/Syn-Rel Two-Motor Five-Phase Series-Connected Drive. <i>IEEE Transactions on Energy Conversion, 2007, 22, 281-289</i>	5-4	19
21	A PWM Strategy with Reduced Bearing Currents for Five-Phase Motors 2007,		1
20	Direct AC to AC Matrix Converter and Control Method for Two-phase Loads. <i>Electric Power Components and Systems, 2007, 35, 461-481</i>	1	1
19	BLDC Motor Control Algorithm for Low-Cost Industrial Applications. <i>IEEE Applied Power Electronics Conference and Exposition, 2007,</i>		3
18	Direct Torque Control of Brushless DC Motor with Non-sinusoidal Back-EMF 2007,		28
17	Fault-Tolerant Topologies and Switching Function Algorithms for Three-Phase Matrix Converter based AC Motor Drives Against Open and Short Phase Failures 2007,		10
16	Five-Phase Interior Permanent-Magnet Motors With Low Torque Pulsation. <i>IEEE Transactions on Industry Applications, 2007, 43, 40-46</i>	4-3	44
15	Online Parameter Estimation of Permanent-Magnet Assisted Synchronous Reluctance Motor. <i>IEEE Transactions on Industry Applications, 2007, 43, 609-615</i>	4-3	33
14	A Low-Cost and Efficient Permanent-Magnet-Assisted Synchronous Reluctance Motor Drive. <i>IEEE Transactions on Industry Applications, 2007, 43, 542-550</i>	4-3	63
13	Sensorless Direct Torque Control of Five-Phase Interior Permanent-Magnet Motor Drives. <i>IEEE Transactions on Industry Applications, 2007, 43, 952-959</i>	4-3	102
12	Fault-Tolerant Interior-Permanent-Magnet Machines for Hybrid Electric Vehicle Applications. <i>IEEE Transactions on Vehicular Technology, 2007, 56, 1546-1552</i>	6.8	201
11	On-board Fault Diagnosis of HEV Induction Motor Drive at Start-up and During Idle Mode 2007,		5
10	Modeling, Control, and Experimental Investigation of a Five-Phase Series-Connected Two-Motor Drive With Single Inverter Supply. <i>IEEE Industrial Electronics Magazine, 2007, 54, 1504-1516</i>	6.2	72

9	Robust Maximum Torque per Ampere (MTPA) Control of PM-Assisted SynRM for Traction Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 1538-1545	6.8	87
8	Power Factor Correction of Direct Torque Controlled Brushless DC Motor Drive. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , 2007 ,		6
7	Remedial Switching Function Approach to Improve Reliability for AC/AC Converters. <i>IEEE Transactions on Energy Conversion</i> , 2007 , 22, 541-543	5.4	17
6	An Approach to Fault-Tolerant Three-Phase Matrix Converter Drives. <i>IEEE Transactions on Energy Conversion</i> , 2007 , 22, 855-863	5.4	55
5	Steady State Modeling of Series-Connected Five-Phase and Six-Phase Two-Motor Drives. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , 2006 ,		8
4	Multilevel Converter Topology Using Two Types of Current-Source Inverters. <i>IEEE Transactions on Industry Applications</i> , 2006 , 42, 1558-1564	4.3	45
3	Low Speed Performance Operation of Induction Motors Drives Using Low-Resolution Speed Sensor 2006 ,		2
2	COMPREHENSIVE METHOD FOR TRANSIENT MODELING OF SINGLE PHASE INDUCTION MOTORS INCLUDING THE SPACE HARMONICS. <i>Electric Power Components and Systems</i> , 1998 , 26, 221-234		2
1			