

# Hamid A Toliyat

## List of Publications by Citations

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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	Fault-Tolerant Interior-Permanent-Magnet Machines for Hybrid Electric Vehicle Applications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2007</b> , 56, 1546-1552	6.8	201
169	Finite-Element Transient Analysis of Induction Motors Under Mixed Eccentricity Fault. <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 66-74	2	105
168	Sensorless Direct Torque Control of Five-Phase Interior Permanent-Magnet Motor Drives. <i>IEEE Transactions on Industry Applications</i> , <b>2007</b> , 43, 952-959	4.3	102
167	Low Order PWM Inverter Harmonics Contributions to the Inverter-Fed Induction Machine Fault Diagnosis. <i>IEEE Transactions on Industrial Electronics</i> , <b>2008</b> , 55, 610-619	8.9	96
166	Gearing ratios of a magnetic gear for wind turbines <b>2009</b> ,		90
165	Robust Maximum Torque per Ampere (MTPA) Control of PM-Assisted SynRM for Traction Applications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2007</b> , 56, 1538-1545	6.8	87
164	Wide Bandgap Devices in AC Electric Drives: Opportunities and Challenges. <i>IEEE Transactions on Transportation Electrification</i> , <b>2019</b> , 5, 3-20	7.6	86
163	Direct Torque and Indirect Flux Control of Brushless DC Motor. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2011</b> , 16, 351-360	5.5	85
162	Wide Operational Speed Range of Five-Phase Permanent Magnet Machines by Using Different Stator Winding Configurations. <i>IEEE Transactions on Industrial Electronics</i> , <b>2012</b> , 59, 2621-2631	8.9	81
161	A Simple Real-Time Fault Signature Monitoring Tool for Motor-Drive-Embedded Fault Diagnosis Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2011</b> , 58, 1990-2001	8.9	78
160	Comprehensive Eccentricity Fault Diagnosis in Induction Motors Using Finite Element Method. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 1764-1767	2	75
159	Analysis of the Concentric Planetary Magnetic Gear With Strengthened Stator and Interior Permanent Magnet Inner Rotor. <i>IEEE Transactions on Industry Applications</i> , <b>2011</b> , 47, 1652-1660	4.3	74
158	Modeling, Control, and Experimental Investigation of a Five-Phase Series-Connected Two-Motor Drive With Single Inverter Supply. <i>IEEE Industrial Electronics Magazine</i> , <b>2007</b> , 54, 1504-1516	6.2	72
157	Implementation of a Fault-Diagnosis Algorithm for Induction Machines Based on Advanced Digital-Signal-Processing Techniques. <i>IEEE Transactions on Industrial Electronics</i> , <b>2011</b> , 58, 937-948	8.9	70
156	. <i>IEEE Transactions on Industry Applications</i> , <b>2013</b> , 49, 2217-2228	4.3	66
155	Direct Torque Control of Four-Switch Brushless DC Motor With Non-Sinusoidal Back EMF. <i>IEEE Transactions on Power Electronics</i> , <b>2010</b> , 25, 263-271	7.2	64
154	A Low-Cost and Efficient Permanent-Magnet-Assisted Synchronous Reluctance Motor Drive. <i>IEEE Transactions on Industry Applications</i> , <b>2007</b> , 43, 542-550	4.3	63

153	An Approach to Fault-Tolerant Three-Phase Matrix Converter Drives. <i>IEEE Transactions on Energy Conversion</i> , <b>2007</b> , 22, 855-863	5.4	55
152	Single-Stage Multistring PV Inverter With an Isolated High-Frequency Link and Soft-Switching Operation. <i>IEEE Transactions on Power Electronics</i> , <b>2014</b> , 29, 3919-3929	7.2	50
151	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> , <b>2018</b> , 4, 444-463	7.6	45
150	Multilevel Converter Topology Using Two Types of Current-Source Inverters. <i>IEEE Transactions on Industry Applications</i> , <b>2006</b> , 42, 1558-1564	4.3	45
149	Five-Phase Interior Permanent-Magnet Motors With Low Torque Pulsation. <i>IEEE Transactions on Industry Applications</i> , <b>2007</b> , 43, 40-46	4.3	44
148	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 6667-6675	8.9	43
147	Effect of Magnetic Saturation on Static and Mixed Eccentricity Fault Diagnosis in Induction Motor. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 3137-3144	2	42
146	Principles of the Trans-Rotary Magnetic Gear. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 883-889	2	41
145	Partial discharge detection and diagnosis in gas insulated switchgear: State of the art. <i>IEEE Electrical Insulation Magazine</i> , <b>2019</b> , 35, 16-33	2.1	36
144	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> , <b>2018</b> , 54, 3305-3314	4.3	36
143	Passive Suppression of Transient Oscillations in the Concentric Planetary Magnetic Gear. <i>IEEE Transactions on Energy Conversion</i> , <b>2011</b> , 26, 933-939	5.4	35
142	Simultaneous Optimization of Geometry and Firing Angles for In-Wheel Switched Reluctance Motor Drive. <i>IEEE Transactions on Transportation Electrification</i> , <b>2018</b> , 4, 322-329	7.6	33
141	Online Parameter Estimation of Permanent-Magnet Assisted Synchronous Reluctance Motor. <i>IEEE Transactions on Industry Applications</i> , <b>2007</b> , 43, 609-615	4.3	33
140	Design and Analysis of an Axial Flux Magnetically Geared Generator. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 97-105	4.3	32
139	Flying-capacitor boost converter <b>2012</b> ,		32
138	DSP-Based Sensorless Electric Motor Fault-Diagnosis Tools for Electric and Hybrid Electric Vehicle Powertrain Applications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2009</b> , 58, 2679-2688	6.8	32
137	. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 10044-10050	7.2	31
136	Applications of Wide Bandgap (WBG) devices in AC electric drives: A technology status review <b>2017</b>		28

135	Direct Torque Control of Brushless DC Motor with Non-sinusoidal Back-EMF <b>2007</b> ,		28
134	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> , <b>2018</b> , 54, 2237-2245	4.3	27
133	DSP-Based Sensorless Electric Motor Fault Diagnosis Tools for Electric and Hybrid Electric Vehicle Powertrain Applications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2009</b> , 58, 2150-2159	6.8	25
132	Soft switched ac-link AC/AC and AC/DC buck-boost converter. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , <b>2008</b> ,		25
131	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 1254-1263	4.3	24
130	Speed Estimation Based on Rotor Slot Harmonics in Multiphase Induction Machines Under Open-Phase Fault. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 7980-7993	7.2	22
129	Analysis of axial field magnetic gears with Halbach arrays <b>2015</b> ,		22
128	Fault tolerant permanent magnet motor drives for electric vehicles <b>2009</b> ,		22
127	Soft switched ac link buck boost converter. <i>IEEE Applied Power Electronics Conference and Exposition</i> , <b>2008</b> ,		22
126	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> , <b>2018</b> , 33, 784-791	5.4	21
125	Isolated ZVS High-Frequency-Link AC-AC Converter With a Reduced Switch Count. <i>IEEE Transactions on Power Electronics</i> , <b>2014</b> , 29, 4156-4166	7.2	21
124	Soft switched ac-link direct-connect photovoltaic inverter <b>2008</b> ,		21
123	Induction Machine/Syn-Rel Two-Motor Five-Phase Series-Connected Drive. <i>IEEE Transactions on Energy Conversion</i> , <b>2007</b> , 22, 281-289	5.4	19
122	On the Electromagnetic Wave Behavior Due to Partial Discharge in Gas Insulated Switchgears: State-of-Art Review. <i>IEEE Access</i> , <b>2019</b> , 7, 75822-75836	3.5	18
121	Gearing ratios of a magnetic gear for marine applications <b>2009</b> ,		18
120	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 3379-3386	4.3	17
119	Remedial Switching Function Approach to Improve Reliability for AC/AC Converters. <i>IEEE Transactions on Energy Conversion</i> , <b>2007</b> , 22, 541-543	5.4	17
118	Adaptive 100% Injection-Based Generator Stator Ground Fault Protection With Real-Time Fault Location Capability. <i>IEEE Transactions on Power Delivery</i> , <b>2018</b> , 33, 2364-2372	4.3	16

117	Control of an Electric Machine Integrated With the Trans-Rotary Magnetic Gear in a Motor Drive Train. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 106-114	4-3	16
116	Modeling isolation transformer capacitive components in a dual active bridge power conditioner <b>2013</b> ,		16
115	A ZVS single-inductor multi-input multi-output DC-DC converter with the step up/down capability <b>2013</b> ,		15
114	Battery-utility interface using soft switched ac link supporting low voltage ride through <b>2009</b> ,		15
113	High impedance grounding for onboard plug-in hybrid electric vehicle chargers <b>2013</b> ,		14
112	Design and comparison of an optimized permanent magnet-assisted synchronous reluctance motor (PMA-SynRM) with an induction motor with identical NEMA Frame stators <b>2009</b> ,		14
111	Analysis of High Gear Ratio Capabilities for Single-Stage, Series Multistage, and Compound Differential Coaxial Magnetic Gears. <i>IEEE Transactions on Energy Conversion</i> , <b>2019</b> , 34, 665-672	5-4	14
110	. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 9891-9905	7.2	14
109	. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 1518-1525	7.2	14
108	Trans-Rotary Magnetic Gear for Wave Energy applicaion <b>2012</b> ,		13
107	A Fractional Slot Concentrated Winding (FSCW) configuration for outer rotor squirrel cage induction motors <b>2015</b> ,		12
106	An electric machine integrated with trans-rotary magnetic gear <b>2012</b> ,		12
105	Power factor improvement of synchronous reluctance motors (SynRM) using permanent magnets for drive size reduction <b>2012</b> ,		12
104	Performance analysis of a rare earth magnet based NEMA frame Permanent Magnet assisted Synchronous Reluctance Machine with different magnet type and quantity <b>2013</b> ,		12
103	. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 1954-1969	7.2	12
102	A novel vehicular integrated power system realized with multi-port series ac link converter <b>2015</b> ,		11
101	. <i>IEEE Transactions on Energy Conversion</i> , <b>2018</b> , 33, 2250-2259	5-4	11
100	Step-up/down three-phase resonant high-frequency ac-link inverters. <i>IET Power Electronics</i> , <b>2014</b> , 7, 1246-1255	11	11

99	A Soft-Switched Three-Phase AC/AC Converter With a High-Frequency AC Link. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 2637-2647	4.3	11
98	<b>2014</b> ,		11
97	Analysis of the concentric planetary magnetic gear with strengthened stator and interior permanent magnet (IPM) inner rotor <b>2010</b> ,		11
96	Comparison of stator winding connections in multiphase drives under healthy operation and with one open converter leg. <i>IET Electric Power Applications</i> , <b>2020</b> , 14, 584-596	1.8	11
95	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> , <b>2021</b> , 68, 960-971	8.9	11
94	Multifrequency Current Control Including Distortion-Free Saturation and Antiwindup With Enhanced Dynamics. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 7309-7313	7.2	10
93	Studying crawling effect in Line-Start Synchronous Reluctance Motors (LS-SynRM) <b>2016</b> ,		10
92	Design and analysis of an axial flux magnetically geared generator <b>2015</b> ,		10
91	A Compact Error Management Algorithm to Minimize False-Alarm Rate of Motor/Generator Faults in (Hybrid) Electric Vehicles. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2014</b> , 2, 618-626	5.6	10
90	Partial resonant AC link converter: A highly reliable variable frequency drive <b>2012</b> ,		10
89	Sensorless direct torque and indirect flux control of brushless DC motor with non-sinusoidal back-EMF <b>2008</b> ,		10
88	Fault-Tolerant Topologies and Switching Function Algorithms for Three-Phase Matrix Converter based AC Motor Drives Against Open and Short Phase Failures <b>2007</b> ,		10
87	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> , <b>2018</b> , 33, 792-800	5.4	9
86	Performance analysis of a ferrite based fractional horsepower permanent magnet assisted SynRM for fan and pump applications <b>2013</b> ,		9
85	Design of an outer rotor ferrite assisted synchronous reluctance machine (Fa-SynRM) for electric two wheeler application <b>2014</b> ,		9
84	Dynamic modeling of the trans-rotary magnetic gear for the point-absorbing wave energy conversion systems <b>2014</b> ,		9
83	DSP Applications in Electric and Hybrid Electric Vehicles [In the Spotlight]. <i>IEEE Signal Processing Magazine</i> , <b>2012</b> , 29, 136-133	9.4	9
82	Soft switched ac-link wind power converter <b>2008</b> ,		9

81	A Coreless Permanent-Magnet Machine for a Magnetically Levitated Shaft-Less Flywheel. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 4288-4296	4-3	9
80	A Multicell Cascaded High-Frequency Link Inverter With Soft Switching and Isolation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 2518-2528	8,9	8
79	Design aspects of high torque density-low speed permanent magnet motor for electric two wheeler applications <b>2013</b> ,		8
78	A new generation of buck-boost resonant AC-link DC-DC converters <b>2013</b> ,		8
77	Direct torque control of four-switch brushless DC Motor with non-sinusoidal back-EMF. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , <b>2008</b> ,		8
76	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> , <b>2006</b> ,		8
75	Comparison of Surface Permanent Magnet Coaxial and Cycloidal Radial Flux Magnetic Gears <b>2018</b> ,		8
74	On-line fault diagnosis of multi-phase drives using self-recurrent wavelet neural networks with adaptive learning rates <b>2017</b> ,		7
73	A step-up/down three-phase resonant high-frequency AC-link inverter <b>2013</b> ,		7
72	Piecewise linear modeling of snubberless dual active bridge commutation <b>2014</b> ,		7
71	Fault Diagnosis Implementation of Induction Machines based on Advanced Digital Signal Processing Techniques <b>2009</b> ,		7
70	Design aspects of the Trans-Rotary Magnetic Gear <b>2012</b> ,		7
69	PWM Inverter Harmonics Contributions to the Inverter-Fed Induction Machine Bearing Fault Diagnosis. <i>IEEE Applied Power Electronics Conference and Exposition</i> , <b>2007</b> ,		7
68	An analytical approach for determining harmonic cusps and torque dips in line start synchronous reluctance motors <b>2016</b> ,		7
67	Experimental verification of a novel adaptive stator ground fault protection scheme for synchronous generators <b>2016</b> ,		7
66	Performance Analysis of Synchronous Generators Under Stator Windings Ground Faults Near the Star Point - Experimental Verification. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1402-1410	5-4	6
65	A multi-input AC link PV inverter with reduced size and weight <b>2012</b> ,		6
64	Reduction of shaft voltages and bearing currents in five-phase induction motors <b>2012</b> ,		6

63	An analytical model for an N-flux barrier per pole permanent magnet-assisted synchronous reluctance motor <b>2009</b> ,		6
62	Power Factor Correction of Direct Torque Controlled Brushless DC Motor Drive. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , <b>2007</b> ,		6
61	Performance Impacts of Practical Fabrication Tradeoffs for a Radial Flux Coaxial Magnetic Gear with Halbach Arrays and Air Cores <b>2019</b> ,		6
60	A Parameterized Linear Magnetic Equivalent Circuit for Air Core Radial Flux Coaxial Magnetic Gears with Halbach Arrays <b>2018</b> ,		6
59	<b>2015</b> ,		5
58	Real-time fault isolation in multiphase multilevel NPC converters using active semi-supervised fuzzy clustering algorithm with pairwise constraints <b>2017</b> ,		5
57	Bi-directional partial resonant converters with reduced number of switches <b>2012</b> ,		5
56	Optimal design and comparison of stator winding configurations in permanent magnet assisted synchronous reluctance generator <b>2009</b> ,		5
55	Optimal design of PM assisted synchronous reluctance generators using lumped parameter model and Differential Evolution Strategy <b>2009</b> ,		5
54	Analytical model-based analysis of high-speed Flywheel Energy Storage Systems for pulsed power applications <b>2009</b> ,		5
53	Control design of an advanced high-speed FESS for pulsed power applications <b>2008</b> ,		5
52	Coupled Field Analysis Needs in the Design of Submersible Electric Motors <b>2007</b> ,		5
51	On-board Fault Diagnosis of HEV Induction Motor Drive at Start-up and During Idle Mode <b>2007</b> ,		5
50	Design comparison of NdFeB and ferrite radial flux magnetic gears <b>2016</b> ,		5
49	Review and Analysis of Coaxial Magnetic Gear Pole Pair Count Selection Effects. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 1-1	5.6	5
48	. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 2493-2501	5.4	5
47	PD Signal Propagation in GIS: Ultra-High Frequency Detection-Based Modeling. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 9417-9426	4	4
46	Simultaneous optimization of geometry and firing angles of in-wheel switched reluctance motor <b>2017</b> ,		4



45	Design of multiphase exterior rotor switched reluctance motor for traction applications <b>2016,</b>		4
44	A control method for linear permanent magnet electric submersible pumps in a modified integrated drive-motor system <b>2017,</b>		4
43	Insulation design for Wide Bandgap (WBG) device based voltage source converter fed motors <b>2017,</b>		4
42	Electromagnetic-thermal coupled analysis method for interior PMSM <b>2015,</b>		4
41	A new class of PV inverters: Series partial resonant converters <b>2012,</b>		4
40	A single-stage multi-string quasi-resonant inverter for grid-tied photovoltaic systems <b>2013,</b>		4
39	Battery-utility interface using soft switched AC link buck boost converter <b>2009,</b>		4
38	Characterization of Defects Inside the Cable Dielectric With Partial Discharge Modeling. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-11	5.2	4
37	A low-cost soft-switching high step-up flyback converter with stacked output cells <b>2017,</b>		3
36	A novel hysteresis current control switching method for torque ripple minimization in multi-phase motors <b>2014,</b>		3
35	Extending speed range of five-phase PM machines by changing the stator windings connections <b>2011,</b>		3
34	Incipient bearing fault detection for three-phase Brushless DC motor drive using ANFIS <b>2011,</b>		3
33	BLDC Motor Control Algorithm for Low-Cost Industrial Applications. <i>IEEE Applied Power Electronics Conference and Exposition</i> , <b>2007,</b>		3
32	Comparison of Reluctance and Surface Permanent Magnet Coaxial Magnetic Gears <b>2020,</b>		3
31	Stator inter-turn fault detection for seamless fault-tolerant operation of five-phase induction motors <b>2016,</b>		3
30	A Scalable Soft-Switching Photovoltaic Inverter With Full-Range ZVS and Galvanic Isolation. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 3919-3931	4.3	2
29	Comparison of coaxial radial flux magnetic gears independently optimized for volume, cost, and mass <b>2017,</b>		2
28	Standstill position estimation of SPMSM <b>2012,</b>		2

27	Diagnosis and isolation of air-gap eccentricities in closed-loop controlled doubly-fed induction generators <b>2011</b> ,		2
26	A robust sensorless fault diagnosis algorithm for low cost motor drives <b>2010</b> ,		2
25	Damper windings for the magnetic gear <b>2011</b> ,		2
24	Maximum output power control of permanent magnet-assisted synchronous reluctance generator <b>2008</b> ,		2
23	Low Speed Performance Operation of Induction Motors Drives Using Low-Resolution Speed Sensor <b>2006</b> ,		2
22	COMPREHENSIVE METHOD FOR TRANSIENT MODELING OF SINGLE PHASE INDUCTION MOTORS INCLUDING THE SPACE HARMONICS. <i>Electric Power Components and Systems</i> , <b>1998</b> , 26, 221-234		2
21	Field Oriented Control of tubular PM Linear Motor using linear Hall Effect sensors <b>2016</b> ,		2
20	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> , <b>2021</b> , 1-1	5-4	2
19	AC-Link Universal Power Converters: A New Class of Power Converters for Renewable Energy and Transportation <b>2014</b> , 107-135		1
18	Bi-directional sparse parallel partial resonant ac-link inverter <b>2013</b> ,		1
17	Bidirectional series ac-link inverter <b>2013</b> ,		1
16	A simple least squares approach for low speed performance analysis of indirect FOC induction motor drive using low-resolution position sensor <b>2017</b> ,		1
15	A fault monitoring system for a reciprocating pump driven by a linear motor for oil pumping systems <b>2017</b> ,		1
14	Observer-based sensorless speed control of PM-assisted SynRM for direct drive applications <b>2010</b> ,		1
13	A magnetic gear with passive transient suppression capability <b>2011</b> ,		1
12	A PWM Strategy with Reduced Bearing Currents for Five-Phase Motors <b>2007</b> ,		1
11	Direct AC to AC Matrix Converter and Control Method for Two-phase Loads. <i>Electric Power Components and Systems</i> , <b>2007</b> , 35, 461-481	1	1
10	Wavelet Scattering Transform Based Induction Motor Current Signature Analysis <b>2020</b> ,		1

9	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> , <b>2021</b> , 70, 1-13	5-2	1
8	Analysis and Benchmarking of Radial Flux Cycloidal Magnetic Gears with Reduced Permanent Magnet Piece Count Using Consequent Poles <b>2021</b> ,		1
7	Practical Analysis and Design of a 50:1 Cycloidal Magnetic Gear with Balanced Off-Axis Moments and a High Specific Torque for Lunar Robots <b>2021</b> ,		1
6	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> , <b>2021</b> , 1-1	5-4	0
5	Cycloidal Reluctance Magnetic Gears for High Gear Ratio Applications. <i>IEEE Transactions on Magnetics</i> , <b>2022</b> , 1-1	2	0
4	Corrections to Remedial Switching Function Approach to Improve Reliability for AC/AC Converters[Jun 07 541-543]. <i>IEEE Transactions on Energy Conversion</i> , <b>2013</b> , 28, 460-460	5-4	
3			
2	Magnetic Gears and Magnetically Geared Machines: An Alternative Compact and Reliable Solution for High-Torque, Low-Speed Systems <b>2020</b> , 389-420		
1	Quantitative Reliability Evaluation of Silicon Carbide-Based Inverters for Multiphase Electric Drives for Electric Vehicles. <i>Power Electronics and Drives</i> , <b>2022</b> , 7, 29-42	0-5	