

Luigi Alberti

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9527417/luigi-alberti-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

92
papers

1,306
citations

20
h-index

33
g-index

106
ext. papers

1,650
ext. citations

4.1
avg, IF

5.06
L-index

#	Paper	IF	Citations
92	Theory and Design of Fractional-Slot Multilayer Windings. <i>IEEE Transactions on Industry Applications</i> , 2013 , 49, 841-849	4.3	117
91	Performance Comparison Between Switching-Flux and IPM Machines With Rare-Earth and Ferrite PMs. <i>IEEE Transactions on Industry Applications</i> , 2014 , 50, 3708-3716	4.3	93
90	Experimental Tests of Dual Three-Phase Induction Motor Under Faulty Operating Condition. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 2041-2048	8.9	91
89	A Coupled Thermal-Electromagnetic Analysis for a Rapid and Accurate Prediction of IM Performance. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 3575-3582	8.9	83
88	Design of a Low-Torque-Ripple Fractional-Slot Interior Permanent-Magnet Motor. <i>IEEE Transactions on Industry Applications</i> , 2014 , 50, 1801-1808	4.3	50
87	MMF Harmonics Effect on the Embedded FE Analytical Computation of PM Motors. <i>IEEE Transactions on Industry Applications</i> , 2010 , 46, 812-820	4.3	47
86	Considerations on Selecting Fractional-Slot Nonoverlapped Coil Windings. <i>IEEE Transactions on Industry Applications</i> , 2013 , 49, 1316-1324	4.3	46
85	A Very Rapid Prediction of IM Performance Combining Analytical and Finite-Element Analysis. <i>IEEE Transactions on Industry Applications</i> , 2008 , 44, 1505-1512	4.3	45
84	Design and Control of an Axial-Flux Machine for a Wide Flux-Weakening Operation Region. <i>IEEE Transactions on Industry Applications</i> , 2009 , 45, 1258-1266	4.3	42
83	Rotor Losses Measurements in an Axial Flux Permanent Magnet Machine. <i>IEEE Transactions on Energy Conversion</i> , 2011 , 26, 639-645	5.4	41
82	Fast Estimation of Line-Start Reluctance Machine Parameters by Finite Element Analysis. <i>IEEE Transactions on Energy Conversion</i> , 2011 , 26, 1-8	5.4	37
81	. <i>IEEE Transactions on Industry Applications</i> , 2011 , 47, 789-797	4.3	36
80	IPM Machine Drive Design and Tests for an Integrated Starter-Alternator Application. <i>IEEE Transactions on Industry Applications</i> , 2010 , 46, 993-1001	4.3	35
79	Core Axial Lengthening as Effective Solution to Improve the Induction Motor Efficiency Classes. <i>IEEE Transactions on Industry Applications</i> , 2014 , 50, 218-225	4.3	30
78	Impact of the Rotor Yoke Geometry on Rotor Losses in Permanent-Magnet Machines. <i>IEEE Transactions on Industry Applications</i> , 2012 , 48, 98-105	4.3	30
77	Performance comparison between switching-flux and IPM machine with rare earth and ferrite PMs 2012 ,		27
76	Design of a low torque ripple fractional-slot interior permanent magnet motor 2012 ,		25

75	Considerations on selecting fractional-slot windings 2010 ,		23
74	. <i>IEEE Transactions on Industry Applications</i> , 2013 , 49, 1523-1530	4-3	21
73	. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 3548-3556	4-3	20
72	Theory and design of fractional-slot multilayer windings 2011 ,		18
71	Finite-Element Analysis of Electrical Machines for Sensorless Drives With High-Frequency Signal Injection. <i>IEEE Transactions on Industry Applications</i> , 2014 , 50, 1871-1879	4-3	17
70	Impact of winding arrangement in dual 3-phase induction motor for fault tolerant applications 2010 ,		14
69	High-Frequency d - q Model of Synchronous Machines for Sensorless Control. <i>IEEE Transactions on Industry Applications</i> , 2015 , 51, 3923-3931	4-3	13
68	Design and Tests of a Four-Layer Fractional-Slot Interior Permanent-Magnet Motor. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 2234-2240	4-3	13
67	Analysis and Tests of the Sensorless Rotor Position Detection of Ringed-Pole Permanent-Magnet Motor. <i>IEEE Transactions on Industry Applications</i> , 2014 , 50, 3278-3284	4-3	10
66	Small-signal finite-element modeling of synchronous machines for sensorless applications 2012 ,		10
65	Design and tests on a fractional-slot induction machine 2012 ,		9
64	Comparison of different synchronous machines for sensorless drives 2013 ,		9
63	Efficient QR Updating Factorization for Sensorless Synchronous Motor Drive Based on High Frequency Voltage Injection. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 10213-10222	8.9	9
62	2018 ,		9
61	Case of Study of the Electrification of a Tractor: Electric Motor Performance Requirements and Design. <i>Energies</i> , 2020 , 13, 2197	3.1	8
60	Electrification of agricultural machinery: a feasibility evaluation 2019 ,		8
59	MMF Harmonics Effect on the Embedded FE-Analytical Computation of PM Motors. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , 2007 ,		8
58	A Fast and Direct Analysis of Three-Phase Induction Motors Using Finite Element 2018 ,		8

57	Finite Element Small-Signal Simulation of Electromagnetic Devices Considering Eddy Currents in the Laminations. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-8	2	7
56	Challenges of the Optimization of a High-Speed Induction Machine for Naval Applications. <i>Energies</i> , 2019 , 12, 2431	3.1	7
55	Induction Motor Analysis Using Magnetostatic Finite Element Simulations Considering Skewing 2019 ,		7
54	Synchronous motors for traction applications 2017 ,		7
53	Analysis and tests of the sensorless rotor position detection of ringed-pole PM motor 2012 ,		7
52	Impact of the rotor yoke geometry on rotor losses in permanent magnet machines 2010 ,		7
51	Thermal analysis of dual three-phase machines under faulty operations 2011 ,		7
50	Field oriented control of induction motor: A direct analysis using finite element 2008 ,		7
49	Computation of Self-Sensing Capabilities of Synchronous Machines for Rotating High Frequency Voltage Injection Sensorless Control. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	7
48	Self-Adaptive High-Frequency Injection Based Sensorless Control for Interior Permanent Magnet Synchronous Motor Drives. <i>Energies</i> , 2019 , 12, 3645	3.1	6
47	Finite-element analysis of electrical machines for sensorless drives with signal injection 2012 ,		6
46	Analysis of asynchronous machines for direct drive wind power generation 2009 ,		6
45	Design of Electric Motors and Power Drive Systems According to Efficiency Standards. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 9287-9296	8.9	6
44	A Feasibility Study for Agriculture Tractors Electrification: Duty Cycles Simulation and Consumption Comparison 2019 ,		5
43	Effect of the generator sizing on a wave energy converter considering different control strategies. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2012 , 32, 233-247	0.7	5
42	Implementation and experimental validation of ultra-high speed PMSM sensor-less control by means of extended Kalman filter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 1-1	5.6	5
41	Induction Motor Mapping Using Rotor Field-Oriented Analysis Technique 2019 ,		5
40	An Effective Ellipse Fitting Technique of the Current Response Locus to Rotating HF Voltage Injection in IPMSM for Sensorless Rotor Position Estimation 2018 ,		5

39	Koil: A Tool to Design the Winding of Rotating Electric Machinery 2018 ,		5
38	Investigation on the self-sensing capability of a fractional-slot inset PM motor 2013 ,		4
37	Notice of Removal: Electrical machine analysis using free software 2017 ,		4
36	2014 ,		4
35	IM rotor parameters analysis with an intentionally created saliency 2010 ,		4
34	Energy efficiency improvement adopting synchronous motors. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2015 , 34, 76-91	0.7	3
33	Energy efficiency improvement adopting synchronous motors 2013 ,		3
32	Self-adaptive high-frequency injection based sensorless control for IPMSM and SynRM 2017 ,		3
31	Computation and measurement of high frequency parameters in a synchronous machine 2015 ,		3
30	Design of small-size generator for variable speed micro-hydroelectric power plants 2014 ,		3
29	Finite element modeling of induction motor for variable speed drives. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2010 , 29, 1245-1256	0.7	3
28	Core axial lengthening as effective solution to improve the induction motor efficiency classes 2011 ,		3
27	A finite-element procedure to compute variable speed induction machine performance 2009 ,		3
26	Thermal assisted finite element analysis of electrical machines 2008 ,		3
25	Effective control of an Integrated Starter-Alternator with an IPM synchronous machine. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , 2008 ,		3
24	A rapid prediction of IM performance using a combined analytical and finite element analysis 2007 ,		3
23	Electrification of Agricultural Machinery: A Review. <i>IEEE Access</i> , 2021 , 9, 164520-164541	3.5	3
22	Electric Drives for Hybrid Electric Agricultural Tractors 2021 ,		3

21	Sensorless control of a super-high speed synchronous motor drive based on a Kalman filter 2016 ,		3
20	Investigation on the frequency effects on iron losses in laminations 2017 ,		2
19	Finite element estimation of induction motor parameters for sensorless applications. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2011 , 31, 191-205	0.7	2
18	A design-oriented model of doubly-fed induction machine 2011 ,		2
17	Finite element modeling of induction motor for variable speed drives 2008 ,		2
16	Lamination Design of a Set of Induction Motors for Elevator Systems 2007 ,		2
15	MMF Harmonics Effect on the Embedded FE-Analytical Computation of PM Motors. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , 2007 ,		2
14	A computational technique for iron losses in electrical machines 2016 ,		2
13	Measures and Simulations of Induction Machines Flux Linkage Characteristics Based on Rotor Field Orientation. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 4686-4693	4.3	2
12	Design and tests of a four-layer fractional-slot Interior Permanent Magnet motor 2015 ,		1
11	Direct Analysis of Three-Phase Induction Motor Considering Rotor Parameters Variation and Stator Belt Harmonics Effect. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 3559-3570	4.3	1
10	Parameters identification of multi-windings induction machines 2016 ,		1
9	Analysis and Test of the Sensorless Capability of Induction Motors With Created Saliency. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 2186-2193	4.3	1
8	High frequency d-q model of synchronous machines for sensorless control 2014 ,		1
7	Interior permanent magnet integrated starter-alternator. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2011 , 30, 117-136	0.7	1
6	Energy supplying of high altitude isolated users 2008 ,		1
5	Online Incremental Inductance Identification for Reluctance Synchronous Motors 2021 ,		1
4	On The Efficiency Requirements For Electrical Motors and Power Electronics in Complete Drive Systems 2019 ,		1

3	Feasibility Evaluation of Hybrid Electric Agricultural Tractors Based on Life Cycle Cost Analysis. <i>IEEE Access</i> , 2022 , 10, 28853-28867	3.5	o
2	Start and stop systems on agricultural tractors as solution for saving fuel and emissions. <i>Biosystems Engineering</i> , 2022 , 216, 108-120	4.8	o
1	Sensorless Drive for Salient Synchronous Motors based on Direct Fitting of Elliptical-Shape High-Frequency Currents. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	o