

Aly F Flores Filho

List of Publications by Year in descending order

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58
papers

319
citations

1163117

8
h-index

940533

16
g-index

59
all docs

59
docs citations

59
times ranked

249
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical model of electromagnetic stirring for continuous casting billets. IEEE Transactions on Magnetics, 2002, 38, 3658-3660.	2.1	59
2	Dual Quasi-Halbach Linear Tubular Actuator With Coreless Moving-Coil for Semiactive and Active Suspension. IEEE Transactions on Industrial Electronics, 2018, 65, 9873-9883.	7.9	32
3	Design Aspects of a Reluctance-Based Magnetic Lead Screw. IEEE Transactions on Magnetics, 2019, 55, 1-6.	2.1	26
4	Design Methodology of a Dual-Halbach Array Linear Actuator with Thermal-Electromagnetic Coupling. Sensors, 2016, 16, 360.	3.8	22
5	Application of Neodymium-Iron-Boron permanent magnets on the assembling of a novel planar actuator. IEEE Transactions on Magnetics, 1999, 35, 4034-4036.	2.1	21
6	An analytical method to predict the static performance of a planar actuator. IEEE Transactions on Magnetics, 2003, 39, 3364-3366.	2.1	16
7	A Study of the Influence of Quasi-Halbach Arrays on a Torus Machine. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	14
8	Identification of Three-Phase IPM Machine Parameters Using Torque Tests. IEEE Transactions on Industry Applications, 2017, 53, 1883-1891.	4.9	13
9	Evaluation of the normal force of a planar actuator. IEEE Transactions on Magnetics, 2005, 41, 4006-4008.	2.1	8
10	Three dimensional computation of force in a novel brushless DC linear motor. IEEE Transactions on Magnetics, 1997, 33, 2030-2032.	2.1	7
11	Magnetic Gearing Electromagnetic Concepts. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2017, 16, 108-119.	0.7	7
12	A Model of a Permanent Magnet Axial-Flux Machine Based on Lie's Symmetries. IEEE Transactions on Magnetics, 2008, 44, 4321-4324.	2.1	6
13	Development of a novel planar actuator. , 1999, , .		5
14	Influence of Segmentation of Ring-Shaped NdFeB Magnets with Parallel Magnetization on Cylindrical Actuators. Sensors, 2014, 14, 13070-13087.	3.8	5
15	Parameter extraction for three phase IPM machines through simple torque tests. , 2015, , .		5
16	Dynamic Modeling of Linear Permanent Magnet Synchronous Motors: Determination of Parameters and Numerical Co-simulation. Journal of Control, Automation and Electrical Systems, 2021, 32, 1782-1794.	2.0	5
17	The design and analysis of a novel brushless dc linear motor. Journal of Magnetism and Magnetic Materials, 1994, 133, 640-643.	2.3	4
18	Magnetic gear: A review. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
19	Analysis of a magnetic gear integrated Halbach generator. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2016, 35, 1925-1936.	0.9	4
20	Analysis of End Pole Sizing Effects in Linear Permanent Magnet Synchronous Actuators with quasi-Halbach Arrays. , 2019, , .		4
21	A Practical Method for the Characterization of Soft-Magnetic Materials. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	3
22	Design of torque-dense induction motors for automotive drive applications. , 2015, , .		3
23	Theoretical and Experimental Analysis of an Induction Planar Actuator with Different Secondariesâ€”A Planar Driver Application for Metallic Surface Inspection. Sensors, 2016, 16, 407.	3.8	3
24	Ironless Machine Design for Wind-Based Microgeneration. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	3
25	Tubular linear permanent magnet synchronous machine applied to semi-active suspension systems. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2018, 37, 1781-1794.	0.9	3
26	Realizing and Experimentally Testing a Reluctance-Based Magnetic Lead Screw. , 2019, , .		3
27	An analysis on electric and magnetic behaviour on an induction planar actuator. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2013, 12, 37-49.	0.7	3
28	Investigation of a novel double armature brushless DC linear motor. , 0, , .		2
29	Investigation of the forces produced by a new electromagnetic planar actuator. , 0, , .		2
30	Induction planar actuator: An analytical, numerical and experimental study. , 2010, , .		2
31	A method to determine the capacitance required by the operation of a grid-connected induction generator. , 2010, , .		2
32	Optimum design of a gearless wind turbine PMSG considering wind speed probability density function. , 2015, , .		2
33	An Induction Planar Actuator for Surface Inspection. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	2
34	Comparison of traditional, quasi-Halbach array and interior permanent magnet configurations for outer rotor brushless AC machines. International Journal of Applied Electromagnetics and Mechanics, 2018, 57, 217-225.	0.6	2
35	Ring-shaped surface-mounted permanent magnet generators with modular stator for small wind turbines. , 2018, , .		2
36	Pseudo direct drive simulation and analysis. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2018, 37, 1722-1731.	0.9	2

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37	Performance Evaluation of a Stator Modular Ring Generator for a Shrouded Wind Turbine. <i>Energies</i> , 2021, 14, 67.	3.1	2
38	On the Development and Test of a Reluctance-Based Magnetic Lead Screw. , 2020, , .		2
39	A differential magnetic flux position transducer: Analysis, simulation, and test results. <i>Journal of Applied Physics</i> , 2006, 99, 08B318.	2.5	1
40	Analysis of an induction planar actuator. , 2010, , .		1
41	A simple and low cost three-phase sector induction machine. , 2011, , .		1
42	Coaxial magnetic gear analysis and optimization. , 2014, , .		1
43	Design of an induction generator with copper squirrel cage rotor and asymmetric slots. , 2014, , .		1
44	A practical method for characterization of magnetic materials. , 2015, , .		1
45	Development of an Analytical Method to Predict the Behaviour of the Magnetic Field in PM Linear Motors with Halbach Array. <i>Journal of Microwaves, Optoelectronics and Electromagnetic Applications</i> , 2017, 16, 132-153.	0.7	1
46	A Variable Parameter Three-Phase Model for a Linear Induction Machine Operating in Regenerative Brake Mode. , 2018, , .		1
47	Parameters evaluation of a permanent magnet synchronous generator with modular stator. <i>IEEE Latin America Transactions</i> , 2019, 17, 1678-1685.	1.6	1
48	Static and Dynamic Characteristics of a Double Armature DC Linear Motor. <i>IEEJ Transactions on Industry Applications</i> , 1998, 118, 1050-1055.	0.2	0
49	Analysis of a DC XY-actuator. , 2010, , .		0
50	Induced currents and planar force in an induction planar actuator. , 2010, , .		0
51	An Alternative System to Characterize Permanent Magnets with Strong Magneto-Crystalline Anisotropy Without Irreversible Demagnetization. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 3331-3334.	2.1	0
52	Numerical simulation of forces in an ironless planar actuator. , 2015, , .		0
53	A regenerative braking system using a Torus machine. , 2015, , .		0
54	An induction planar actuator for surface inspection. , 2015, , .		0

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55	Determination of dq Model Inductances in PM Generators. , 2016, , .		0
56	A stochastic method for characterization of soft magnetic material with a damped LC circuit. , 2016, , .		0
57	Static Characterization of the Driving, Normal and Stall Forces of a Double-Sided Moving-Permanent Magnet-Type Planar Actuator Based on Orthogonal Planar Windings. Sensors, 2018, 18, 3526.	3.8	0
58	Development of a Novel Flywheel Energy Storage System Topology. , 2020, , .		0