

# Aly F Flores Filho

## List of Publications by Year in descending order

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58  
papers

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citations

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docs citations

59  
times ranked

249  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Performance Evaluation of a Stator Modular Ring Generator for a Shrouded Wind Turbine. Energies, 2021, 14, 67.	3.1	2
3	Development of a Novel Flywheel Energy Storage System Topology. , 2020, , .		0
4	On the Development and Test of a Reluctance-Based Magnetic Lead Screw. , 2020, , .		2
5	Analysis of End Pole Sizing Effects in Linear Permanent Magnet Synchronous Actuators with quasi-Halbach Arrays. , 2019, , .		4
6	Design Aspects of a Reluctance-Based Magnetic Lead Screw. IEEE Transactions on Magnetics, 2019, 55, 1-6.	2.1	26
7	Realizing and Experimentally Testing a Reluctance-Based Magnetic Lead Screw. , 2019, , .		3
8	Parameters evaluation of a permanent magnet synchronous generator with modular stator. IEEE Latin America Transactions, 2019, 17, 1678-1685.	1.6	1
9	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
10	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
11	A Variable Parameter Three-Phase Model for a Linear Induction Machine Operating in Regenerative Brake Mode. , 2018, , .		1
12	Ring-shaped surface-mounted permanent magnet generators with modular stator for small wind turbines. , 2018, , .		2
13	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
14	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
15	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
16	Ironless Machine Design for Wind-Based Microgeneration. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	3
17	Identification of Three-Phase IPM Machine Parameters Using Torque Tests. IEEE Transactions on Industry Applications, 2017, 53, 1883-1891.	4.9	13
18	Development of an Analytical Method to Predict the Behaviour of the Magnetic Field in PM Linear Motors with Halbach Array. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2017, 16, 132-153.	0.7	1

#	ARTICLE	IF	CITATIONS
19	Magnetic Gearing Electromagnetic Concepts. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2017, 16, 108-119.	0.7	7
20	Theoretical and Experimental Analysis of an Induction Planar Actuator with Different Secondaries – A Planar Driver Application for Metallic Surface Inspection. Sensors, 2016, 16, 407.	3.8	3
21	Design Methodology of a Dual-Halbach Array Linear Actuator with Thermal-Electromagnetic Coupling. Sensors, 2016, 16, 360.	3.8	22
22	Determination of dq Model Inductances in PM Generators. , 2016, , .		0
23	A stochastic method for characterization of soft magnetic material with a damped LC circuit. , 2016, , .		0
24	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
25	A Study of the Influence of Quasi-Halbach Arrays on a Torus Machine. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	14
26	Numerical simulation of forces in an ironless planar actuator. , 2015, , .		0
27	Parameter extraction for three phase IPM machines through simple torque tests. , 2015, , .		5
28	A Practical Method for the Characterization of Soft-Magnetic Materials. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	3
29	A regenerative braking system using a Torus machine. , 2015, , .		0
30	An induction planar actuator for surface inspection. , 2015, , .		0
31	A practical method for characterization of magnetic materials. , 2015, , .		1
32	Optimum design of a gearless wind turbine PMSG considering wind speed probability density function. , 2015, , .		2
33	Design of torque-dense induction motors for automotive drive applications. , 2015, , .		3
34	An Induction Planar Actuator for Surface Inspection. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	2
35	Coaxial magnetic gear analysis and optimization. , 2014, , .		1
36	Design of an induction generator with copper squirrel cage rotor and asymmetric slots. , 2014, , .		1

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37	Influence of Segmentation of Ring-Shaped NdFeB Magnets with Parallel Magnetization on Cylindrical Actuators. <i>Sensors</i> , 2014, 14, 13070-13087.	3.8	5
38	Magnetic gear: A review. , 2014, , .		4
39	An analysis on electric and magnetic behaviour on an induction planar actuator. <i>Journal of Microwaves, Optoelectronics and Electromagnetic Applications</i> , 2013, 12, 37-49.	0.7	3
40	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
41	A simple and low cost three-phase sector induction machine. , 2011, , .		1
42	Analysis of a DC XY-actuator. , 2010, , .		0
43	Analysis of an induction planar actuator. , 2010, , .		1
44	Induced currents and planar force in an induction planar actuator. , 2010, , .		0
45	Induction planar actuator: An analytical, numerical and experimental study. , 2010, , .		2
46	A method to determine the capacitance required by the operation of a grid-connected induction generator. , 2010, , .		2
47	A Model of a Permanent Magnet Axial-Flux Machine Based on Lie's Symmetries. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 4321-4324.	2.1	6
48	A differential magnetic flux position transducer: Analysis, simulation, and test results. <i>Journal of Applied Physics</i> , 2006, 99, 08B318.	2.5	1
49	Evaluation of the normal force of a planar actuator. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 4006-4008.	2.1	8
50	An analytical method to predict the static performance of a planar actuator. <i>IEEE Transactions on Magnetics</i> , 2003, 39, 3364-3366.	2.1	16
51	Numerical model of electromagnetic stirring for continuous casting billets. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 3658-3660.	2.1	59
52	Development of a novel planar actuator. , 1999, , .		5
53	Application of Neodymium-Iron-Boron permanent magnets on the assembling of a novel planar actuator. <i>IEEE Transactions on Magnetics</i> , 1999, 35, 4034-4036.	2.1	21
54	Static and Dynamic Characteristics of a Double Armature DC Linear Motor. <i>IEEE Transactions on Industry Applications</i> , 1998, 118, 1050-1055.	0.2	0

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55	Three dimensional computation of force in a novel brushless DC linear motor. IEEE Transactions on Magnetics, 1997, 33, 2030-2032.	2.1	7
56	The design and analysis of a novel brushless dc linear motor. Journal of Magnetism and Magnetic Materials, 1994, 133, 640-643.	2.3	4
57	Investigation of a novel double armature brushless DC linear motor. , 0, , .		2
58	Investigation of the forces produced by a new electromagnetic planar actuator. , 0, , .		2