

Peter Omand Rasmussen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7670690/publications.pdf>

Version: 2024-02-01

38
papers

983
citations

840776

11
h-index

888059

17
g-index

38
all docs

38
docs citations

38
times ranked

903
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Battery/Ultracapacitor Energy-Storage Sizing on Battery Lifetime in a Fuel Cell Hybrid Electric Vehicle. IEEE Transactions on Vehicular Technology, 2009, 58, 3882-3891.	6.3	331
2	The Cycloid Permanent Magnetic Gear. IEEE Transactions on Industry Applications, 2008, 44, 1659-1665.	4.9	119
3	Design of a Magnetic Lead Screw for Wave Energy Conversion. IEEE Transactions on Industry Applications, 2013, 49, 2699-2708.	4.9	82
4	A New Low-Cost Hybrid Switched Reluctance Motor for Adjustable-Speed Pump Applications. IEEE Transactions on Industry Applications, 2011, 47, 314-321.	4.9	60
5	Investigation of Flux-Linkage Profile Measurement Methods for Switched-Reluctance Motors and Permanent-Magnet Motors. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3191-3198.	4.7	44
6	Non-inverting buck-boost converter for fuel cell applications. , 2008, , .		40
7	Experimental Evaluation of a Motor-Integrated Permanent-Magnet Gear. IEEE Transactions on Industry Applications, 2013, 49, 850-859.	4.9	40
8	Sensorless Control of Low-Cost Single-Phase Hybrid Switched Reluctance Motor Drive. IEEE Transactions on Industry Applications, 2015, 51, 2381-2387.	4.9	35
9	Single-Phase Hybrid Switched Reluctance Motor for Low-Power Low-Cost Applications. IEEE Transactions on Magnetics, 2011, 47, 3288-3291.	2.1	30
10	Improved Closed-Loop Flux Observer Based Sensorless Control Against System Oscillation for Synchronous Reluctance Machine Drives. IEEE Transactions on Power Electronics, 2019, 34, 4593-4602.	7.9	24
11	Design of a magnetic lead screw for wave energy conversion. , 2012, , .		17
12	Design and Comparison of Power Systems for a Fuel Cell Hybrid Electric Vehicle. , 2008, , .		15
13	Robust Sensorless Control Against Thermally Degraded Speed Performance in an IM Drive Based Electric Vehicle. IEEE Transactions on Energy Conversion, 2020, 35, 896-907.	5.2	15
14	Evaluation of a Novel BEV Concept Based on Fixed and Swappable Li-Ion Battery Packs. IEEE Transactions on Industry Applications, 2016, 52, 5073-5085.	4.9	14
15	Design and test of a reluctance based magnetic lead screw PTO system for a wave energy converter. , 2017, , .		13
16	Theoretical and experimental loss and efficiency studies of a magnetic lead screw. , 2013, , .		11
17	Design and Manufacture of a Linear Actuator Based on Magnetic Screw Transmission. IEEE Transactions on Industrial Electronics, 2021, 68, 1095-1107.	7.9	11
18	A new application and experimental validation of moulding technology for ferrite magnet assisted synchronous reluctance machine. , 2016, , .		9

#	ARTICLE	IF	CITATIONS
19	Comparative study of low-pass filter and phase-locked loop type speed filters for sensorless control of AC drives. CES Transactions on Electrical Machines and Systems, 2017, 1, 207-215.	3.5	9
20	Design of propulsion system for a fuel cell vehicle. , 2007, , .		8
21	Asymmetric Carrier Random PWM. , 2010, , .		8
22	Sensor-fault tolerant control of PMSM in flux-weakening operation using LKF observer. , 2012, , .		6
23	High-Frequency Signal Injection Method Based on Duty Cycle Shifting Without Maximum Fundamental Voltage Magnitude Loss. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1225-1236.	5.4	5
24	Shaping the spectra of the line-to-line voltage using signal injection in the common mode voltage. , 2009, , .		4
25	Three-phase electric drive with modified electronic smoothing inductor. , 2010, , .		4
26	Modeling and control of three phase rectifier with electronic smoothing inductor. , 2011, , .		4
27	Weighted Index of Recycling and Energy (WIRE) Cost for Motors in Electric Vehicles. , 2018, , .		4
28	Unified analytical equation for theoretical determination of the harmonic components of modern PWM strategies. , 2011, , .		3
29	Theoretical evaluation of the double U-core switched reluctance machine. , 2017, , .		3
30	Acoustic Noise Analysis of a Magnetically Geared Permanent Magnet Generator. , 2019, , .		3
31	Design and development of a magnetic lead screw propulsion device for general transport system. IET Electric Power Applications, 2020, 14, 492-499.	1.8	3
32	Analysis of the vibration spectrum based on the input voltage spectrum. , 2009, , .		2
33	A New Energy-Based Method for 3-D Finite-Element Nonlinear Flux Linkage Computation of Electrical Machines. IEEE Transactions on Magnetics, 2011, 47, 3276-3279.	2.1	2
34	Design and Experimental Investigation of a Hybrid Rotor Permanent Magnet Modular Machine with 3D Flux Paths Accounting for Recyclability of Permanent Magnet Material. Energies, 2020, 13, 1342.	3.1	2
35	Conveyor System with a Highly Integrated Permanent Magnet Gear and Motor. , 2018, , .		1
36	Investigation of a Surface Mounted PM Machine Concept with 3D-Flux Paths, Modular Stator and Amorphous Material. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
37	Reduction of Third Harmonic by Redesign of Magnetic Circuit in a Magnetically Geared Permanent Magnet Generator. , 2019, , .		1
38	Improvement of Ventilation Drive System with Solar Power and a Voltage Level Based Control Structure. , 2018, , .		0