

# Peter Omand Rasmussen

## List of Publications by Year in descending order

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38  
papers

983  
citations

840776

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888059

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38  
all docs

38  
docs citations

38  
times ranked

903  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Manufacture of a Linear Actuator Based on Magnetic Screw Transmission. IEEE Transactions on Industrial Electronics, 2021, 68, 1095-1107.	7.9	11
2	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
3	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
4	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
5	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
6	Investigation of a Surface Mounted PM Machine Concept with 3D-Flux Paths, Modular Stator and Amorphous Material. , 2019, , .		1
7	Reduction of Third Harmonic by Redesign of Magnetic Circuit in a Magnetically Geared Permanent Magnet Generator. , 2019, , .		1
8	Acoustic Noise Analysis of a Magnetically Geared Permanent Magnet Generator. , 2019, , .		3
9	Improvement of Ventilation Drive System with Solar Power and a Voltage Level Based Control Structure. , 2018, , .		0
10	Conveyor System with a Highly Integrated Permanent Magnet Gear and Motor. , 2018, , .		1
11	Weighted Index of Recycling and Energy (WIRE) Cost for Motors in Electric Vehicles. , 2018, , .		4
12	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
13	Design and test of a reluctance based magnetic lead screw PTO system for a wave energy converter. , 2017, , .		13
14	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
15	Theoretical evaluation of the double U-core switched reluctance machine. , 2017, , .		3
16	A new application and experimental validation of moulding technology for ferrite magnet assisted synchronous reluctance machine. , 2016, , .		9
17	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
18	Sensorless Control of Low-Cost Single-Phase Hybrid Switched Reluctance Motor Drive. IEEE Transactions on Industry Applications, 2015, 51, 2381-2387.	4.9	35

#	ARTICLE	IF	CITATIONS
19	Experimental Evaluation of a Motor-Integrated Permanent-Magnet Gear. IEEE Transactions on Industry Applications, 2013, 49, 850-859.	4.9	40
20	Design of a Magnetic Lead Screw for Wave Energy Conversion. IEEE Transactions on Industry Applications, 2013, 49, 2699-2708.	4.9	82
21	Theoretical and experimental loss and efficiency studies of a magnetic lead screw. , 2013, , .		11
22	Design of a magnetic lead screw for wave energy conversion. , 2012, , .		17
23	Sensor-fault tolerant control of PMSM in flux-weakening operation using LKF observer. , 2012, , .		6
24	Modeling and control of three phase rectifier with electronic smoothing inductor. , 2011, , .		4
25	Unified analytical equation for theoretical determination of the harmonic components of modern PWM strategies. , 2011, , .		3
26	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
27	Single-Phase Hybrid Switched Reluctance Motor for Low-Power Low-Cost Applications. IEEE Transactions on Magnetics, 2011, 47, 3288-3291.	2.1	30
28	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
29	Three-phase electric drive with modified electronic smoothing inductor. , 2010, , .		4
30	Asymmetric Carrier Random PWM. , 2010, , .		8
31	Analysis of the vibration spectrum based on the input voltage spectrum. , 2009, , .		2
32	Shaping the spectra of the line-to-line voltage using signal injection in the common mode voltage. , 2009, , .		4
33	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
34	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
35	Non-inverting buck-boost converter for fuel cell applications. , 2008, , .		40
36	The Cycloid Permanent Magnetic Gear. IEEE Transactions on Industry Applications, 2008, 44, 1659-1665.	4.9	119

#	ARTICLE	IF	CITATIONS
37	Design and Comparison of Power Systems for a Fuel Cell Hybrid Electric Vehicle. , 2008, , .		15
38	Design of propulsion system for a fuel cell vehicle. , 2007, , .		8