

Jonas Kristiansen NÅ,land

List of Publications by Year in descending order

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papers

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all docs

72
docs citations

72
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	An Analytical Prediction Model of Balanced and Unbalanced Faults in Doubly Fed Induction Machines. IEEE Transactions on Industrial Electronics, 2023, 70, 189-199.	7.9	3
2	A Differential Strand-Slot Inductance Model for Improved Compensation of Circulating Currents in the Core Part of Large AC Machines. IEEE Transactions on Energy Conversion, 2022, 37, 1346-1357.	5.2	2
3	Next-Generation Cryo-Electric Hydrogen-Powered Aviation: A Disruptive Superconducting Propulsion System Cooled by Onboard Cryogenic Fuels. IEEE Industrial Electronics Magazine, 2022, 16, 6-15.	2.6	10
4	Comparison of AC-Superconducting Multiphase Symmetric-Winding Topologies for Wind Power Generators With PM Rotors. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-15.	1.7	0
5	A Rectangular End-Winding Model for Enhanced Circulating Current Prediction in AC Machines. IEEE Transactions on Energy Conversion, 2021, 36, 291-299.	5.2	5
6	Non-normal-Mode Onset of Convection in a Vertical Porous Cylinder. Transport in Porous Media, 2021, 136, 319-341.	2.6	0
7	Peaked sloshing in a wedge container. Journal of Engineering Mathematics, 2021, 126, 1.	1.2	0
8	Prospects and Challenges of the Hyperloop Transportation System: A Systematic Technology Review. IEEE Access, 2021, 9, 28439-28458.	4.2	41
9	Intelligent Traction Control Method Based on Model Predictive Fuzzy PID Control and Online Optimization for Permanent Magnetic Maglev Trains. IEEE Access, 2021, 9, 29032-29046.	4.2	26
10	An Approach for Optimal Pre-Conditioning of the Analytical Field Solution of Slotless PM Machines. IEEE Access, 2021, 9, 36748-36765.	4.2	3
11	Adaptive LADRC Parameter Optimization in Magnetic Levitation. IEEE Access, 2021, 9, 36791-36801.	4.2	10
12	Onset of Convection in Two-Dimensional Porous Cavities with Open and Conducting Boundaries. Transport in Porous Media, 2021, 136, 791-812.	2.6	1
13	Stagnant peaked free surface released at a sloping beach. Journal of Engineering Mathematics, 2021, 127, 1.	1.2	0
14	Hydrogen Electric Airplanes: A disruptive technological path to clean up the aviation sector. IEEE Electrification Magazine, 2021, 9, 92-102.	1.8	30
15	A length scale approach to the highest standing water wave. Physics of Fluids, 2021, 33, 072107.	4.0	1
16	Transient nonlinear Rayleigh-Bénard convection with single-mode initiation. Physics of Fluids, 2021, 33, 114111.	4.0	0
17	Evolving Toward a Scalable Hyperloop Technology: Vacuum transport as a clean alternative to short-haul flights. IEEE Electrification Magazine, 2021, 9, 55-66.	1.8	4
18	Unified Reduced Model for a Dual-Control Scheme of the High-Speed Response Brushless Excitation System of Synchronous Generators. IEEE Transactions on Industrial Electronics, 2020, 67, 4474-4484.	7.9	6

#	ARTICLE	IF	CITATIONS
19	A Non-normal-mode Marginal State of Convection in a Porous Box with Insulating End-Walls. Transport in Porous Media, 2020, 131, 661-679.	2.6	0
20	Enhanced Power Capability of Generator Units for Increased Operational Security Using NMPC. IEEE Transactions on Power Systems, 2020, 35, 1562-1571.	6.5	7
21	High-Power Machines and Starter-Generator Topologies for More Electric Aircraft: A Technology Outlook. IEEE Access, 2020, 8, 130104-130123.	4.2	74
22	Laterally Penetrative Onset of Convection in a Horizontal Porous Layer. Transport in Porous Media, 2020, 134, 77-95.	2.6	4
23	Start of a synchronous motor using rotor field polarity inversion and rotor back-emf sensing. , 2020, , .		0
24	Maximum Torque Density Limit for Surface-Cooled SPM Machines. , 2020, , .		0
25	Generalized and Reduced Analytical Formulation for Ultra-Fast 3-D Field and Vector Potential Calculation From Arch-Shaped Axially Magnetized Bodies in Electrical Machines. IEEE Transactions on Magnetics, 2020, 56, 1-10.	2.1	0
26	Oscillatory Convection Onset in a Porous Rectangle with Non-analytical Corners. Transport in Porous Media, 2020, 132, 535-559.	2.6	0
27	Rapid 3-D Magnetic Integral Field Computation of Current-Carrying Finite Arc Segments With Rectangular Cross Section. IEEE Transactions on Magnetics, 2020, 56, 1-12.	2.1	5
28	Future Operational Regimes of Bulk Power Generation in The Era of Global Energy Transition: Grid Codes, Challenges and Open Issues. , 2020, , .		3
29	An Analytical Model for Detailed Transient Fault Analysis of Doubly-Fed Induction Machines. , 2020, , .		1
30	Stator Core Flux Density Analytical Determination in Slotless Machines. , 2020, , .		0
31	Analytical-Based Iron Loss Assessment in the SPM Slotless Machine Stator Core. , 2020, , .		2
32	Rotating Power Electronics for Electrical Machines and Drives - Design Considerations and Examples. , 2020, , .		2
33	Failure Modes Demonstration and Redundant Postfault Operation of Rotating Thyristor Rectifiers on Brushless Dual-Star Exciters. IEEE Transactions on Industrial Electronics, 2019, 66, 842-851.	7.9	8
34	Oscillatory Non-normal-Mode Onset of Convection in a Porous Rectangle. Transport in Porous Media, 2019, 129, 955-974.	2.6	1
35	Excitation System Technologies for Wound-Field Synchronous Machines: Survey of Solutions and Evolving Trends. IEEE Access, 2019, 7, 109699-109718.	4.2	82
36	Onset of Convection in a Triangular Porous Prism with Robin-Type Thermal Wall Condition. Transport in Porous Media, 2019, 130, 751-767.	2.6	1

#	ARTICLE	IF	CITATIONS
37	A Non-normal-Mode Marginal State of Convection in a Porous Rectangle. <i>Transport in Porous Media</i> , 2019, 128, 633-651.	2.6	7
38	Electrical Machines and Power Electronics For Starter-Generators in More Electric Aircrafts: A Technology Review. , 2019, , .		18
39	Online Model-Based Thermal Prediction for Flexible Control of an Air-Cooled Hydrogenerator. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 6311-6320.	7.9	18
40	Active Current Sharing Control Method for Rotating Thyristor Rectifiers on Brushless Dual-Star Exciters. <i>IEEE Transactions on Energy Conversion</i> , 2018, 33, 893-896.	5.2	7
41	Comparison of Thyristor Rectifier Configurations for a Six-Phase Rotating Brushless Outer Pole PM Exciter. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 968-976.	7.9	26
42	Testing of Active Rectification Topologies on a Six-Phase Rotating Brushless Outer Pole PM Exciter. <i>IEEE Transactions on Energy Conversion</i> , 2018, 33, 59-67.	5.2	17
43	Design and Characterization of a Rotating Brushless Outer Pole PM Exciter for a Synchronous Generator. <i>IEEE Transactions on Industry Applications</i> , 2017, 53, 2016-2027.	4.9	27
44	Evaluation of different power electronic interfaces for control of a rotating brushless PM exciter. , 2016, , .		11
45	Step time response evaluation of different synchronous generator excitation systems. , 2016, , .		3
46	Design and characterization of a rotating brushless PM exciter for a synchronous generator test setup. , 2016, , .		5
47	Comparison of Thyristor-Controlled Rectification Topologies for a Six-Phase Rotating Brushless Permanent Magnet Exciter. <i>IEEE Transactions on Energy Conversion</i> , 2016, 31, 314-322.	5.2	18