

Kari Mj Tammi

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

4,228
citations

236925

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123424

61
g-index

93
all docs

93
docs citations

93
times ranked

5225
citing authors

#	ARTICLE	IF	CITATIONS
1	The CMS experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2008, 3, S08004-S08004.	1.2	2,192
2	Impact of Electric Vehicle Charging Station Load on Distribution Network. <i>Energies</i> , 2018, 11, 178.	3.1	253
3	Prototyping a Digital Twin for Real Time Remote Control Over Mobile Networks: Application of Remote Surgery. <i>IEEE Access</i> , 2019, 7, 20325-20336.	4.2	204
4	Review of recent trends in charging infrastructure planning for electric vehicles. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2018, 7, e306.	4.1	93
5	The role of solid oxide fuel cells in future ship energy systems. <i>Energy</i> , 2020, 194, 116811.	8.8	84
6	A Feature-Based Framework for Structuring Industrial Digital Twins. <i>IEEE Access</i> , 2020, 8, 1193-1208.	4.2	83
7	Charging Station Placement for Electric Vehicles: A Case Study of Guwahati City, India. <i>IEEE Access</i> , 2019, 7, 100270-100282.	4.2	64
8	Development and validation of energy demand uncertainty model for electric city buses. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 63, 347-361.	6.8	61
9	Linear parameter-varying techniques for control of a magnetic bearing system. <i>Control Engineering Practice</i> , 2008, 16, 1161-1172.	5.5	58
10	Stochastic Driving Cycle Synthesis for Analyzing the Energy Consumption of a Battery Electric Bus. <i>IEEE Access</i> , 2018, 6, 55586-55598.	4.2	57
11	Overview of Powertrain Electrification and Future Scenarios for Non-Road Mobile Machinery. <i>Energies</i> , 2018, 11, 1184.	3.1	56
12	Computationally efficient model for energy demand prediction of electric city bus in varying operating conditions. <i>Energy</i> , 2019, 169, 433-443.	8.8	56
13	City Bus Powertrain Comparison: Driving Cycle Variation and Passenger Load Sensitivity Analysis. <i>Energies</i> , 2018, 11, 1755.	3.1	53
14	A novel chicken swarm and teaching learning based algorithm for electric vehicle charging station placement problem. <i>Energy</i> , 2021, 220, 119645.	8.8	48
15	Recent Studies on Chicken Swarm Optimization algorithm: a review (2014-2018). <i>Artificial Intelligence Review</i> , 2020, 53, 1737-1765.	15.7	47
16	Energy Uncertainty Analysis of Electric Buses. <i>Energies</i> , 2018, 11, 3267.	3.1	36
17	Attenuation of Harmonic Rotor Vibration in a Cage Rotor Induction Machine by a Self-Bearing Force Actuator. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 5388-5398.	2.1	33
18	Torque Density of Radial, Axial and Transverse Flux Permanent Magnet Machine Topologies. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 2339-2342.	2.1	33

#	ARTICLE	IF	CITATIONS
19	A New Teaching- Learning-based Chicken Swarm Optimization Algorithm. <i>Soft Computing</i> , 2020, 24, 5313-5331.	3.6	32
20	Energy Consumption and Lifecycle Cost Analysis of Electric City Buses with Multispeed Gearboxes. <i>Energies</i> , 2020, 13, 2117.	3.1	31
21	Hybrid electric topology for short sea ships with high auxiliary power availability requirement. <i>Energy</i> , 2020, 190, 116359.	8.8	27
22	Nature-Inspired Optimization Algorithms Applied for Solving Charging Station Placement Problem: Overview and Comparison. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 91-106.	10.2	27
23	Towards Integrated Digital Twins for Industrial Products: Case Study on an Overhead Crane. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 683.	2.5	27
24	Experimental validation of electric bus powertrain model under city driving cycles. <i>IET Electrical Systems in Transportation</i> , 2017, 7, 74-83.	2.4	26
25	Efficient Parallel 3-D Computation of Electrical Machines With Elmer. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	25
26	Reducing the Energy Consumption of Electric Buses With Design Choices and Predictive Driving. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 11409-11419.	6.3	25
27	A Hybrid Multi-Objective Chicken Swarm Optimization and Teaching Learning Based Algorithm for Charging Station Placement Problem. <i>IEEE Access</i> , 2020, , 1-1.	4.2	25
28	Twinbase: Open-Source Server Software for the Digital Twin Web. <i>IEEE Access</i> , 2021, 9, 140779-140798.	4.2	25
29	Extended Reality Application Framework for a Digital-Twin-Based Smart Crane. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6030.	2.5	22
30	A Robust Two-Stage Planning Model for the Charging Station Placement Problem Considering Road Traffic Uncertainty. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 6571-6585.	8.0	20
31	Uncertainty analysis of phase and amplitude of harmonic components of bearing inner ring four-point roundness measurement. <i>Precision Engineering</i> , 2018, 54, 118-130.	3.4	19
32	Data Link for the Creation of Digital Twins. <i>IEEE Access</i> , 2020, 8, 228675-228684.	4.2	19
33	Optimal placement of charging stations using CSO-TLBO algorithm. , 2017, , .		17
34	Improving Electric Vehicle Energy Efficiency with Two-Speed Gearbox. , 2017, , .		16
35	Metrology for Inductive Charging of Electric Vehicles (MICEV). , 2019, , .		15
36	A model-based flexural rotor vibration control in cage induction electrical machines by a built-in force actuator. <i>Electrical Engineering</i> , 2008, 90, 407-421.	2.0	14

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37	Different Approaches to Improve Energy Consumption of Battery Electric Buses. , 2018, , .		14
38	A Mixed Reality Interface for a Digital Twin Based Crane. Applied Sciences (Switzerland), 2021, 11, 9480.	2.5	14
39	Influence of Driving Cycle Uncertainty on Electric City Bus Energy Consumption. , 2017, , .		13
40	Design methodology for a special single winding based bearingless switched reluctance motor. Journal of Engineering, 2017, 2017, 274-284.	1.1	13
41	Active Control of Rotor Vibrations by Two Feedforward Control Algorithms. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2009, 131, .	1.6	12
42	Novel Convolutional Neural Network-Based Roadside Unit for Accurate Pedestrian Localisation. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3756-3765.	8.0	12
43	Using Digital Twin Documents to Control a Smart Factory: Simulation Approach with ROS, Gazebo, and Twinbase. Machines, 2022, 10, 225.	2.2	12
44	Novel adaptive repetitive algorithm for active vibration control of a variable-speed rotor. Journal of Mechanical Science and Technology, 2007, 21, 855-859.	1.5	11
45	Thirty Years of Electro-Hybrid Powertrain Simulation. IEEE Access, 2018, 6, 35250-35259.	4.2	11
46	Brake Light Detection Algorithm for Predictive Braking. Applied Sciences (Switzerland), 2022, 12, 2804.	2.5	11
47	A built-in force actuator for active control of lateral rotor vibration in cage induction electrical machines. Journal of Sound and Vibration, 2009, 320, 496-515.	3.9	10
48	Hybrid Ship Unit Commitment with Demand Prediction and Model Predictive Control. Energies, 2020, 13, 4748.	3.1	10
49	Electric City Bus Energy Flow Model and Its Validation by Dynamometer Test. , 2015, , .		9
50	Emission Abatement Technology Selection, Routing and Speed Optimization of Hybrid Ships. Journal of Marine Science and Engineering, 2021, 9, 944.	2.6	9
51	Magnetic bearing as Switched Reluctance Motor - feasibility study for bearingless Switched Reluctance Motor. , 2013, , .		8
52	Analysis of Bridge Currents and UMP of an Induction Machine With Bridge Configured Winding Using Coupled Field and Circuit Modeling. IEEE Transactions on Magnetics, 2018, 54, 1-16.	2.1	8
53	Electromechanical Interaction in Eccentric-Rotor Cage Induction Machine Equipped with a Self-Bearing Force Actuator. Journal of System Design and Dynamics, 2009, 3, 519-529.	0.3	7
54	Finite element analysis for bearingless operation of a multi flux barrier synchronous reluctance motor. , 2015, , .		7

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55	State-space flux-linkage control of bearingless synchronous reluctance motors. , 2016, , .		7
56	Influence of Increasing Electrification of Passenger Vehicle Fleet on Carbon Dioxide Emissions in Finland. Sustainability, 2020, 12, 5032.	3.2	7
57	Prolongation of Battery Lifetime for Electric Buses through Flywheel Integration. Energies, 2021, 14, 899.	3.1	7
58	Convex Optimisation Model for Ship Speed Profile: Optimisation under Fixed Schedule. Journal of Marine Science and Engineering, 2021, 9, 730.	2.6	7
59	High-resolution hybrid pixel sensors for the e+e ⁻ TESLA linear collider vertex tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 447, 202-209.	1.6	6
60	Feedforward multiple harmonic control for periodic disturbance rejection. , 2010, , .		6
61	Exact LTP Representation of the Generalized Periodic-Reference FxLMS Algorithm. IEEE Transactions on Signal Processing, 2014, 62, 121-130.	5.3	6
62	Open Sensor Manager for IIoT. Journal of Sensor and Actuator Networks, 2020, 9, 30.	3.9	6
63	The Project "Metrology for Inductive Charging of Electric Vehicles", 2018, , .		5
64	Cost-Benefit Analysis of Electric Bus Fleet with Various Operation Intervals. , 2018, , .		5
65	Device and method for measuring thickness variation of large roller element bearing rings. Precision Engineering, 2019, 55, 59-69.	3.4	5
66	Position estimation method for self-sensing electric machines based on the direct measurement of the current slope. , 2014, , .		4
67	Hybrid city bus design evaluation using system level simulations. , 2014, , .		4
68	Classification of Trash and Valuables with Machine Vision in Shared Cars. Applied Sciences (Switzerland), 2022, 12, 5695.	2.5	4
69	Scalable open- and balance-type calorimeter for measuring power electronics and motors. , 2013, , .		3
70	A Hybrid Thermal Management System With Negative Parasitic Losses for Electric Vehicle Battery Packs. , 2018, , .		3
71	Q-Learning Based Autonomous Control of the Auxiliary Power Network of a Ship. IEEE Access, 2019, 7, 152879-152890.	4.2	3
72	Charging Technologies and Standards Applicable to Heavy-duty Electric Vehicles. , 2021, , 135-155.		3

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73	Battery Management System: Charge Balancing and Temperature Control. , 2021, , 173-203.		3
74	Vibration Control in Electrical Machines Using Built-in Actuator. Mechanisms and Machine Science, 2015, , 1593-1603.	0.5	3
75	Motion detection and classification: ultra-fast road user detection. Journal of Big Data, 2022, 9, .	11.0	3
76	Simulation-Based Comparative Assessment of a Multi-Speed Transmission for an E-Retrofitted Heavy-Duty Truck. Energies, 2022, 15, 2407.	3.1	3
77	Direct discrete-time flux-linkage control of bearingless synchronous reluctance motors. , 2016, , .		2
78	Analysis of Pulsating Magnetic Fields in a Parallel Stator Winding Eccentric Rotor Induction Motor. IEEE Transactions on Magnetics, 2024, 60, 1-16.	2.1	2
79	Predictive Braking With Brake Light Detectionâ€™Field Test. IEEE Access, 2022, 10, 49771-49780.	4.2	2
80	Active Control of Radial Rotor Vibration in Cage Induction Electrical Machines by a Built-in Force Actuator. , 2007, , .		1
81	Direct Driven Hydraulics: What can possibly go wrong? -A thermal analysis. , 2016, , .		1
82	Lateral and longitudinal control of bus platoon. , 2018, , .		1
83	Comparison of REST and GraphQL Interfaces for OPC UA. Computers, 2022, 11, 65.	3.3	1
84	Comparison of Active Control Algorithms for Rotor Unbalance Compensation. , 2007, , 1305.		0
85	Intelligent Kalman Filtering for Fault Detection on an Active Magnetic Bearing System. , 2008, , .		0
86	An estimator for the eigenvalues of the system matrix of a periodic-reference LMS algorithm. , 2012, , .		0
87	Ecodesign concept case studies: Cu in electric motor and Ni in waste incinerator. Materials Research Society Symposia Proceedings, 2013, 1492, 79-84.	0.1	0
88	Force Estimation in Electromagnetic System Using Augmented Kalman Filter. , 2017, , .		0
89	Electric Motor Drives for Heavy-duty Electric Vehicles. , 2021, , 49-65.		0
90	Active Control of Bridge Configured Self-bearing Motor, a Numerical Study. Lecture Notes in Mechanical Engineering, 2021, , 203-215.	0.4	0

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91	Mechatronics Technology and Transportation Sustainability. Sustainability, 2022, 14, 1671.	3.2	0