

Kari Mj Tammi

List of Publications by Year in descending order

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5225
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A Robust Two-Stage Planning Model for the Charging Station Placement Problem Considering Road Traffic Uncertainty. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6571-6585.	8.0	20
3	Mechatronics Technology and Transportation Sustainability. Sustainability, 2022, 14, 1671.	3.2	0
4	Using Digital Twin Documents to Control a Smart Factory: Simulation Approach with ROS, Gazebo, and Twinbase. Machines, 2022, 10, 225.	2.2	12
5	Motion detection and classification: ultra-fast road user detection. Journal of Big Data, 2022, 9, .	11.0	3
6	Simulation-Based Comparative Assessment of a Multi-Speed Transmission for an E-Retrofitted Heavy-Duty Truck. Energies, 2022, 15, 2407.	3.1	3
7	Brake Light Detection Algorithm for Predictive Braking. Applied Sciences (Switzerland), 2022, 12, 2804.	2.5	11
8	Predictive Braking With Brake Light Detectionâ€™Field Test. IEEE Access, 2022, 10, 49771-49780.	4.2	2
9	Comparison of REST and GraphQL Interfaces for OPC UA. Computers, 2022, 11, 65.	3.3	1
10	Classification of Trash and Valuables with Machine Vision in Shared Cars. Applied Sciences (Switzerland), 2022, 12, 5695.	2.5	4
11	Extended Reality Application Framework for a Digital-Twin-Based Smart Crane. Applied Sciences (Switzerland), 2022, 12, 6030.	2.5	22
12	Nature-Inspired Optimization Algorithms Applied for Solving Charging Station Placement Problem: Overview and Comparison. Archives of Computational Methods in Engineering, 2021, 28, 91-106.	10.2	27
13	Towards Integrated Digital Twins for Industrial Products: Case Study on an Overhead Crane. Applied Sciences (Switzerland), 2021, 11, 683.	2.5	27
14	Charging Technologies and Standards Applicable to Heavy-duty Electric Vehicles. , 2021, , 135-155.		3
15	Electric Motor Drives for Heavy-duty Electric Vehicles. , 2021, , 49-65.		0
16	Battery Management System: Charge Balancing and Temperature Control. , 2021, , 173-203.		3
17	Prolongation of Battery Lifetime for Electric Buses through Flywheel Integration. Energies, 2021, 14, 899.	3.1	7
18	A novel chicken swarm and teaching learning based algorithm for electric vehicle charging station placement problem. Energy, 2021, 220, 119645.	8.8	48

#	ARTICLE	IF	CITATIONS
19	Convex Optimisation Model for Ship Speed Profile: Optimisation under Fixed Schedule. Journal of Marine Science and Engineering, 2021, 9, 730.	2.6	7
20	Emission Abatement Technology Selection, Routing and Speed Optimization of Hybrid Ships. Journal of Marine Science and Engineering, 2021, 9, 944.	2.6	9
21	Twinbase: Open-Source Server Software for the Digital Twin Web. IEEE Access, 2021, 9, 140779-140798.	4.2	25
22	A Mixed Reality Interface for a Digital Twin Based Crane. Applied Sciences (Switzerland), 2021, 11, 9480.	2.5	14
23	Active Control of Bridge Configured Self-bearing Motor, a Numerical Study. Lecture Notes in Mechanical Engineering, 2021, , 203-215.	0.4	0
24	Recent Studies on Chicken Swarm Optimization algorithm: a review (2014â€“2018). Artificial Intelligence Review, 2020, 53, 1737-1765.	15.7	47
25	A New Teachingâ€“Learning-based Chicken Swarm Optimization Algorithm. Soft Computing, 2020, 24, 5313-5331.	3.6	32
26	Novel Convolutional Neural Network-Based Roadside Unit for Accurate Pedestrian Localisation. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3756-3765.	8.0	12
27	The role of solid oxide fuel cells in future ship energy systems. Energy, 2020, 194, 116811.	8.8	84
28	A Feature-Based Framework for Structuring Industrial Digital Twins. IEEE Access, 2020, 8, 1193-1208.	4.2	83
29	Hybrid electric topology for short sea ships with high auxiliary power availability requirement. Energy, 2020, 190, 116359.	8.8	27
30	A Hybrid Multi-Objective Chicken Swarm Optimization and Teaching Learning Based Algorithm for Charging Station Placement Problem. IEEE Access, 2020, , 1-1.	4.2	25
31	Energy Consumption and Lifecycle Cost Analysis of Electric City Buses with Multispeed Gearboxes. Energies, 2020, 13, 2117.	3.1	31
32	Open Sensor Manager for IIoT. Journal of Sensor and Actuator Networks, 2020, 9, 30.	3.9	6
33	Influence of Increasing Electrification of Passenger Vehicle Fleet on Carbon Dioxide Emissions in Finland. Sustainability, 2020, 12, 5032.	3.2	7
34	Hybrid Ship Unit Commitment with Demand Prediction and Model Predictive Control. Energies, 2020, 13, 4748.	3.1	10
35	Data Link for the Creation of Digital Twins. IEEE Access, 2020, 8, 228675-228684.	4.2	19
36	Device and method for measuring thickness variation of large roller element bearing rings. Precision Engineering, 2019, 55, 59-69.	3.4	5

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37	Charging Station Placement for Electric Vehicles: A Case Study of Guwahati City, India. IEEE Access, 2019, 7, 100270-100282.	4.2	64
38	Q-Learning Based Autonomous Control of the Auxiliary Power Network of a Ship. IEEE Access, 2019, 7, 152879-152890.	4.2	3
39	Reducing the Energy Consumption of Electric Buses With Design Choices and Predictive Driving. IEEE Transactions on Vehicular Technology, 2019, 68, 11409-11419.	6.3	25
40	Metrology for Inductive Charging of Electric Vehicles (MICEV). , 2019, , .		15
41	Prototyping a Digital Twin for Real Time Remote Control Over Mobile Networks: Application of Remote Surgery. IEEE Access, 2019, 7, 20325-20336.	4.2	204
42	Computationally efficient model for energy demand prediction of electric city bus in varying operating conditions. Energy, 2019, 169, 433-443.	8.8	56
43	Lateral and longitudinal control of bus platoon. , 2018, , .		1
44	A Hybrid Thermal Management System With Negative Parasitic Losses for Electric Vehicle Battery Packs. , 2018, , .		3
45	Different Approaches to Improve Energy Consumption of Battery Electric Buses. , 2018, , .		14
46	The Project "Metrology for Inductive Charging of Electric Vehicles", 2018, , .		5
47	Cost-Benefit Analysis of Electric Bus Fleet with Various Operation Intervals. , 2018, , .		5
48	Energy Uncertainty Analysis of Electric Buses. Energies, 2018, 11, 3267.	3.1	36
49	Stochastic Driving Cycle Synthesis for Analyzing the Energy Consumption of a Battery Electric Bus. IEEE Access, 2018, 6, 55586-55598.	4.2	57
50	City Bus Powertrain Comparison: Driving Cycle Variation and Passenger Load Sensitivity Analysis. Energies, 2018, 11, 1755.	3.1	53
51	Thirty Years of Electro-Hybrid Powertrain Simulation. IEEE Access, 2018, 6, 35250-35259.	4.2	11
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	Impact of Electric Vehicle Charging Station Load on Distribution Network. Energies, 2018, 11, 178.	3.1	253
54	Overview of Powertrain Electrification and Future Scenarios for Non-Road Mobile Machinery. Energies, 2018, 11, 1184.	3.1	56

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55	Review of recent trends in charging infrastructure planning for electric vehicles. Wiley Interdisciplinary Reviews: Energy and Environment, 2018, 7, e306.	4.1	93
56	Uncertainty analysis of phase and amplitude of harmonic components of bearing inner ring four-point roundness measurement. Precision Engineering, 2018, 54, 118-130.	3.4	19
57	Development and validation of energy demand uncertainty model for electric city buses. Transportation Research, Part D: Transport and Environment, 2018, 63, 347-361.	6.8	61
58	Experimental validation of electric bus powertrain model under city driving cycles. IET Electrical Systems in Transportation, 2017, 7, 74-83.	2.4	26
59	Force Estimation in Electromagnetic System Using Augmented Kalman Filter. , 2017, , .		0
60	Optimal placement of charging stations using CSO-TLBO algorithm. , 2017, , .		17
61	Improving Electric Vehicle Energy Efficiency with Two-Speed Gearbox. , 2017, , .		16
62	Influence of Driving Cycle Uncertainty on Electric City Bus Energy Consumption. , 2017, , .		13
63	Design methodology for a special single winding based bearingless switched reluctance motor. Journal of Engineering, 2017, 2017, 274-284.	1.1	13
64	Direct discrete-time flux-linkage control of bearingless synchronous reluctance motors. , 2016, , .		2
65	State-space flux-linkage control of bearingless synchronous reluctance motors. , 2016, , .		7
66	Direct Driven Hydraulics: What can possibly go wrong? -A thermal analysis. , 2016, , .		1
67	Finite element analysis for bearingless operation of a multi flux barrier synchronous reluctance motor. , 2015, , .		7
68	Electric City Bus Energy Flow Model and Its Validation by Dynamometer Test. , 2015, , .		9
69	Efficient Parallel 3-D Computation of Electrical Machines With Elmer. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	25
70	Vibration Control in Electrical Machines Using Built-in Actuator. Mechanisms and Machine Science, 2015, , 1593-1603.	0.5	3
71	Position estimation method for self-sensing electric machines based on the direct measurement of the current slope. , 2014, , .		4
72	Hybrid city bus design evaluation using system level simulations. , 2014, , .		4

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73	Exact LTP Representation of the Generalized Periodic-Reference FxLMS Algorithm. IEEE Transactions on Signal Processing, 2014, 62, 121-130.	5.3	6
74	Magnetic bearing as Switched Reluctance Motor - feasibility study for bearingless Switched Reluctance Motor. , 2013, , .		8
75	Torque Density of Radial, Axial and Transverse Flux Permanent Magnet Machine Topologies. IEEE Transactions on Magnetics, 2013, 49, 2339-2342.	2.1	33
76	Scalable open- and balance-type calorimeter for measuring power electronics and motors. , 2013, , .		3
77	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
78	An estimator for the eigenvalues of the system matrix of a periodic-reference LMS algorithm. , 2012, , .		0
79	Feedforward multiple harmonic control for periodic disturbance rejection. , 2010, , .		6
80	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
81	Attenuation of Harmonic Rotor Vibration in a Cage Rotor Induction Machine by a Self-Bearing Force Actuator. IEEE Transactions on Magnetics, 2009, 45, 5388-5398.	2.1	33
82	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
83	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
84	A model-based flexural rotor vibration control in cage induction electrical machines by a built-in force actuator. Electrical Engineering, 2008, 90, 407-421.	2.0	14
85	Linear parameter-varying techniques for control of a magnetic bearing system. Control Engineering Practice, 2008, 16, 1161-1172.	5.5	58
86	The CMS experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08004-S08004.	1.2	2,192
87	Intelligent Kalman Filtering for Fault Detection on an Active Magnetic Bearing System. , 2008, , .		0
88	Comparison of Active Control Algorithms for Rotor Unbalance Compensation. , 2007, , 1305.		0
89	Active Control of Radial Rotor Vibration in Cage Induction Electrical Machines by a Built-in Force Actuator. , 2007, , .		1
90	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

#	ARTICLE	IF	CITATIONS
91	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