

Antti Lajunen

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,268
citations

687335

13
h-index

940516

16
g-index

28
all docs

28
docs citations

28
times ranked

986
citing authors

#	ARTICLE	IF	CITATIONS
1	Lifecycle cost assessment and carbon dioxide emissions of diesel, natural gas, hybrid electric, fuel cell hybrid and electric transit buses. <i>Energy</i> , 2016, 106, 329-342.	8.8	268
2	Energy consumption and cost-benefit analysis of hybrid and electric city buses. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 38, 1-15.	7.6	258
3	Lifecycle costs and charging requirements of electric buses with different charging methods. <i>Journal of Cleaner Production</i> , 2018, 172, 56-67.	9.3	165
4	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
5	Overview of Powertrain Electrification and Future Scenarios for Non-Road Mobile Machinery. <i>Energies</i> , 2018, 11, 1184.	3.1	56
6	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
7	City Bus Powertrain Comparison: Driving Cycle Variation and Passenger Load Sensitivity Analysis. <i>Energies</i> , 2018, 11, 1755.	3.1	53
8	Review of Cabin Thermal Management for Electrified Passenger Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 6025-6040.	6.3	43
9	Recent Developments in Thermal Management of Electrified Powertrains. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 11486-11499.	6.3	37
10	Energy Uncertainty Analysis of Electric Buses. <i>Energies</i> , 2018, 11, 3267.	3.1	36
11	Energy Efficiency and Performance of Cabin Thermal Management in Electric Vehicles. , 0, , .		33
12	Fuel economy analysis of conventional and hybrid heavy vehicle combinations over real-world operating routes. <i>Transportation Research, Part D: Transport and Environment</i> , 2014, 31, 70-84.	6.8	26
13	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
14	Electric and Hybrid Electric Non-Road Mobile Machinery “ Present Situation and Future Trends. <i>World Electric Vehicle Journal</i> , 2016, 8, 172-183.	3.0	18
15	Improving Electric Vehicle Energy Efficiency with Two-Speed Gearbox. , 2017, , .		16
16	Different Approaches to Improve Energy Consumption of Battery Electric Buses. , 2018, , .		14
17	Evaluation of the benefits of using dual-source energy storage in hybrid electric vehicles. , 2010, , .		11
18	Powertrain design alternatives for electric city bus. , 2012, , .		11

#	ARTICLE	IF	CITATIONS
19	Energy-optimal velocity profiles for electric city buses. , 2013, , .		11
20	Investigation of thermal energy losses in the powertrain of an electric city bus. , 2015, , .		11
21	Evaluation of energy consumption and carbon dioxide emissions for electric vehicles in Nordic climate conditions. , 2018, , .		11
22	Evaluation of energy storage system requirements for hybrid mining loader. , 2011, , .		8
23	Development of energy management strategy for plug-in hybrid city bus. , 2012, , .		8
24	Thermal energy storage for increasing heating performance and efficiency in electric vehicles. , 2017, , .		8
25	Evaluation of Forest Features Determining GNSS Positioning Accuracy of a Novel Low-Cost, Mobile RTK System Using LiDAR and TreeNet. Remote Sensing, 2022, 14, 2856.	4.0	8
26	Influence of Increasing Electrification of Passenger Vehicle Fleet on Carbon Dioxide Emissions in Finland. Sustainability, 2020, 12, 5032.	3.2	7
27	Evaluation of Battery Requirements for Hybrid and Electric City Buses. World Electric Vehicle Journal, 2012, 5, 340-349.	3.0	6
28	Evaluation of Diesel and Fuel Cell Plug-In Hybrid City Buses. , 2015, , .		3