

Paul Jennings

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,967
citations

361413

20
h-index

330143

37
g-index

45
all docs

45
docs citations

45
times ranked

1839
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Glance Behaviour to Inform the Design of Adaptive HMI for Partially Automated Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4877-4892.	8.0	5
2	Identification of Traffic Accident Patterns via Cluster Analysis and Test Scenario Development for Autonomous Vehicles. IEEE Access, 2022, 10, 6660-6675.	4.2	16
3	Characterisation of micro turbine generator as a range extender using an automotive drive cycle for series hybrid electric vehicle application. Applied Thermal Engineering, 2021, 184, 116302.	6.0	12
4	Exploring the utility of EDA and skin temperature as individual physiological correlates of motion sickness. Applied Ergonomics, 2021, 92, 103315.	3.1	22
5	A novel method for reducing motion sickness susceptibility through training visuospatial ability – A two-part study. Applied Ergonomics, 2021, 90, 103264.	3.1	18
6	Effect of cognitive load on drivers' State and task performance during automated driving: Introducing a novel method for determining stabilisation time following take-over of control. Accident Analysis and Prevention, 2021, 151, 105967.	5.7	20
7	Systems Approach to Creating Test Scenarios for Automated Driving Systems. Reliability Engineering and System Safety, 2021, 215, 107610.	8.9	53
8	A Two-Level Abstraction ODD Definition Language: Part I. , 2021, , .		12
9	User expectations of partial driving automation capabilities and their effect on information design preferences in the vehicle. Applied Ergonomics, 2020, 82, 102969.	3.1	18
10	Micro Gas Turbine Range Extender Performance Analysis Using Varying Intake Temperature. Automotive Innovation, 2020, 3, 356-365.	5.1	6
11	Designing an Adaptive Interface: Using Eye Tracking to Classify How Information Usage Changes Over Time in Partially Automated Vehicles. IEEE Access, 2020, 8, 16865-16875.	4.2	23
12	Are You Sitting Comfortably? How Current Self-driving Car Concepts Overlook Motion Sickness, and the Impact It Has on Comfort and Productivity. Advances in Intelligent Systems and Computing, 2020, , 387-399.	0.6	6
13	Identifying Accident Causes of Driver-Vehicle Interactions Using System Theoretic Process Analysis (STPA). , 2020, , .		5
14	The comparison of auditory, tactile, and multimodal warnings for the effective communication of unexpected events during an automated driving scenario. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 65, 23-33.	3.7	32
15	Unbalanced Performance of Parallel Connected Large Format Lithium Ion Batteries for Electric Vehicle Application. , 2019, , .		7
16	Combined electrical and electrochemical-thermal model of parallel connected large format pouch cells. Journal of Energy Storage, 2019, 22, 194-207.	8.1	45
17	The interface challenge for semi-automated vehicles: how driver behavior and trust influence information requirements over time. , 2019, , .		1
18	A comparison of methodologies for the non-invasive characterisation of commercial Li-ion cells. Progress in Energy and Combustion Science, 2019, 72, 1-31.	31.2	178

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19	A systematic approach for electrochemical-thermal modelling of a large format lithium-ion battery for electric vehicle application. <i>Journal of Power Sources</i> , 2018, 382, 77-94.	7.8	116
20	The impact of multi-layered porosity distribution on the performance of a lithium ion battery. <i>Applied Mathematical Modelling</i> , 2018, 61, 107-123.	4.2	36
21	A study of the influence of measurement timescale on internal resistance characterisation methodologies for lithium-ion cells. <i>Scientific Reports</i> , 2018, 8, 21.	3.3	137
22	Calibrating trust through knowledge: Introducing the concept of informed safety for automation in vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 96, 290-303.	7.6	78
23	Haptic Foot Pedal: Influence of Shoe Type, Age, and Gender on Subjective Pulse Perception. <i>Human Factors</i> , 2018, 60, 496-509.	3.5	4
24	The impact of high-frequency-high-current perturbations on film formation at the negative electrode-electrolyte interface. <i>Electrochimica Acta</i> , 2017, 233, 1-12.	5.2	32
25	Towards increased reliability by objectification of Hazard Analysis and Risk Assessment (HARA) of automated automotive systems. <i>Safety Science</i> , 2017, 99, 166-177.	4.9	35
26	Techno-economic analysis of the viability of residential photovoltaic systems using lithium-ion batteries for energy storage in the United Kingdom. <i>Applied Energy</i> , 2017, 206, 12-21.	10.1	143
27	The effect of external compressive loads on the cycle lifetime of lithium-ion pouch cells. <i>Journal of Energy Storage</i> , 2017, 13, 211-219.	8.1	67
28	Transportation Safety of Lithium Iron Phosphate Batteries - A Feasibility Study of Storing at Very Low States of Charge. <i>Scientific Reports</i> , 2017, 7, 5128.	3.3	19
29	Scale-up of lithium-ion battery model parameters from cell level to module level – identification of current issues. <i>Energy Procedia</i> , 2017, 138, 223-228.	1.8	7
30	Introducing ASIL inspired dynamic tactical safety decision framework for automated vehicles. , 2017, , .		10
31	Structural Identifiability of Equivalent Circuit Models for Li-Ion Batteries. <i>Energies</i> , 2017, 10, 90.	3.1	25
32	Electrochemical-Thermal Modelling and Optimisation of Lithium-Ion Battery Design Parameters Using Analysis of Variance. <i>Energies</i> , 2017, 10, 1278.	3.1	45
33	Calibrating Trust to Increase the Use of Automated Systems in a Vehicle. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 535-546.	0.6	9
34	Proposing a Conceptual Framework to Develop the Hospital Soundscape Through Visual Communication. <i>Design Journal</i> , 2016, 19, 491-509.	0.8	3
35	The influence of temperature and charge-discharge rate on open circuit voltage hysteresis of an LFP Li-ion battery. , 2016, , .		7
36	The effect of average cycling current on total energy of lithium-ion batteries for electric vehicles. <i>Journal of Power Sources</i> , 2016, 303, 81-85.	7.8	43

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37	Identifying a gap in existing validation methodologies for intelligent automotive systems: Introducing the 3xD simulator. , 2015, , .		24
38	A study on the impact of lithium-ion cell relaxation on electrochemical impedance spectroscopy. Journal of Power Sources, 2015, 280, 74-80.	7.8	172
39	A study of the open circuit voltage characterization technique and hysteresis assessment of lithium-ion cells. Journal of Power Sources, 2015, 295, 99-107.	7.8	125
40	The development and application of the emotional dimensions of a soundscape. Applied Acoustics, 2013, 74, 232-239.	3.3	167
41	Perception of soundscapes: An interdisciplinary approach. Applied Acoustics, 2013, 74, 224-231.	3.3	172
42	Sound source information to improve cardiothoracic patientsâ€™™ comfort. British Journal of Nursing, 2013, 22, 387-393.	0.7	6
43	Understanding Opinion Forming Processes During On-Road Evaluations of Whole Vehicle Sound Quality. , 2009, , .		2
44	How Learning from Automotive Sound Quality can Inform Urban Soundscape Design. Design Principles and Practices, 2009, 3, 197-208.	0.7	2