

# Paul Jennings

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12113246/publications.pdf>

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	A comparison of methodologies for the non-invasive characterisation of commercial Li-ion cells. <i>Progress in Energy and Combustion Science</i> , 2019, 72, 1-31.	31.2	178
2	Perception of soundscapes: An interdisciplinary approach. <i>Applied Acoustics</i> , 2013, 74, 224-231.	3.3	172
3	A study on the impact of lithium-ion cell relaxation on electrochemical impedance spectroscopy. <i>Journal of Power Sources</i> , 2015, 280, 74-80.	7.8	172
4	The development and application of the emotional dimensions of a soundscape. <i>Applied Acoustics</i> , 2013, 74, 232-239.	3.3	167
5	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
6	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
7	A study of the open circuit voltage characterization technique and hysteresis assessment of lithium-ion cells. <i>Journal of Power Sources</i> , 2015, 295, 99-107.	7.8	125
8	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
9	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
10	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
11	Systems Approach to Creating Test Scenarios for Automated Driving Systems. <i>Reliability Engineering and System Safety</i> , 2021, 215, 107610.	8.9	53
12	Electrochemical-Thermal Modelling and Optimisation of Lithium-Ion Battery Design Parameters Using Analysis of Variance. <i>Energies</i> , 2017, 10, 1278.	3.1	45
13	Combined electrical and electrochemical-thermal model of parallel connected large format pouch cells. <i>Journal of Energy Storage</i> , 2019, 22, 194-207.	8.1	45
14	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
15	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
16	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
17	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
18	The comparison of auditory, tactile, and multimodal warnings for the effective communication of unexpected events during an automated driving scenario. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2019, 65, 23-33.	3.7	32

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19	Structural Identifiability of Equivalent Circuit Models for Li-Ion Batteries. <i>Energies</i> , 2017, 10, 90.	3.1	25
20	Identifying a gap in existing validation methodologies for intelligent automotive systems: Introducing the 3xD simulator. , 2015, , .		24
21	Designing an Adaptive Interface: Using Eye Tracking to Classify How Information Usage Changes Over Time in Partially Automated Vehicles. <i>IEEE Access</i> , 2020, 8, 16865-16875.	4.2	23
22	Exploring the utility of EDA and skin temperature as individual physiological correlates of motion sickness. <i>Applied Ergonomics</i> , 2021, 92, 103315.	3.1	22
23	Effect of cognitive load on driversâ€™ State and task performance during automated driving: Introducing a novel method for determining stabilisation time following take-over of control. <i>Accident Analysis and Prevention</i> , 2021, 151, 105967.	5.7	20
24	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
25	User expectations of partial driving automation capabilities and their effect on information design preferences in the vehicle. <i>Applied Ergonomics</i> , 2020, 82, 102969.	3.1	18
26	A novel method for reducing motion sickness susceptibility through training visuospatial ability â€œ A two-part study. <i>Applied Ergonomics</i> , 2021, 90, 103264.	3.1	18
27	Identification of Traffic Accident Patterns via Cluster Analysis and Test Scenario Development for Autonomous Vehicles. <i>IEEE Access</i> , 2022, 10, 6660-6675.	4.2	16
28	Characterisation of micro turbine generator as a range extender using an automotive drive cycle for series hybrid electric vehicle application. <i>Applied Thermal Engineering</i> , 2021, 184, 116302.	6.0	12
29	A Two-Level Abstraction ODD Definition Language: Part I. , 2021, , .		12
30	Introducing ASIL inspired dynamic tactical safety decision framework for automated vehicles. , 2017, , .		10
31	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
32	The influence of temperature and charge-discharge rate on open circuit voltage hysteresis of an LFP Li-ion battery. , 2016, , .		7
33	Scale-up of lithium-ion battery model parameters from cell level to module level â€œ identification of current issues. <i>Energy Procedia</i> , 2017, 138, 223-228.	1.8	7
34	Unballanced Performance of Parallel Connected Large Format Lithium Ion Batteries for Electric Vehicle Application. , 2019, , .		7
35	Sound source information to improve cardiothoracic patientsâ€™ comfort. <i>British Journal of Nursing</i> , 2013, 22, 387-393.	0.7	6
36	Micro Gas Turbine Range Extender Performance Analysis Using Varying Intake Temperature. <i>Automotive Innovation</i> , 2020, 3, 356-365.	5.1	6

#	ARTICLE	IF	CITATIONS
37	Are You Sitting Comfortably? How Current Self-driving Car Concepts Overlook Motion Sickness, and the Impact It Has on Comfort and Productivity. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 387-399.	0.6	6
38	Using Glance Behaviour to Inform the Design of Adaptive HMI for Partially Automated Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 4877-4892.	8.0	5
39	Identifying Accident Causes of Driver-Vehicle Interactions Using System Theoretic Process Analysis (STPA). , 2020, , .		5
40	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
41	Proposing a Conceptual Framework to Develop the Hospital Soundscape Through Visual Communication. <i>Design Journal</i> , 2016, 19, 491-509.	0.8	3
42	Understanding Opinion Forming Processes During On-Road Evaluations of Whole Vehicle Sound Quality. , 2009, , .		2
43	How Learning from Automotive Sound Quality can Inform Urban Soundscape Design. <i>Design Principles and Practices</i> , 2009, 3, 197-208.	0.7	2
44	The interface challenge for semi-automated vehicles: how driver behavior and trust influence information requirements over time. , 2019, , .		1