

Peter Hollingsworth

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,620
citations

567281

15
h-index

552781

26
g-index

51
all docs

51
docs citations

51
times ranked

3131
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Do taxon-specific DNA barcodes improve species discrimination relative to universal barcodes in Lauraceae?. Botanical Journal of the Linnean Society, 2022, 199, 741-753. | 1.6 | 5 |
| 2 | Can plastid genome sequencing be used for species identification in Lauraceae?. Botanical Journal of the Linnean Society, 2021, 197, 1-14. | 1.6 | 38 |
| 3 | Morphology and pollen fertility of native and non-native bluebells in Great Britain. Plant Ecology and Diversity, 2020, 13, 351-361. | 2.4 | 2 |
| 4 | An integrated design methodology for the deployment of constellations of small satellites. Aeronautical Journal, 2019, 123, 1193-1215. | 1.6 | 6 |
| 5 | A Near-Field Gaussian Plume Inversion Flux Quantification Method, Applied to Unmanned Aerial Vehicle Sampling. Atmosphere, 2019, 10, 396. | 2.3 | 25 |
| 6 | Value-Driven Design Framework for Competitive Aviation Markets. Journal of Aircraft, 2019, 56, 1658-1667. | 2.4 | 1 |
| 7 | A Value-Centric Design and Certification Architecture for Space Systems. Transactions of the Japan Society for Aeronautical and Space Sciences, 2019, 62, 1-10. | 0.7 | 1 |
| 8 | Launch Cost Analysis and Optimization Based on Analysis of Space System Characteristics. Transactions of the Japan Society for Aeronautical and Space Sciences, 2019, 62, 175-183. | 0.7 | 3 |
| 9 | The development and trial of an unmanned aerial system for the measurement of methane flux from landfill and greenhouse gas emission hotspots. Waste Management, 2019, 87, 883-892. | 7.4 | 59 |
| 10 | Value-centric design architecture based on analysis of space system characteristics. Acta Astronautica, 2018, 144, 69-79. | 3.2 | 3 |
| 11 | Stochastic Aircraft Optimization and Decision Making using a Competitive Value-Driven Design Framework. , 2018, , . | | 1 |
| 12 | Genome skimming herbarium specimens for DNA barcoding and phylogenomics. Plant Methods, 2018, 14, 43. | 4.3 | 132 |
| 13 | Development of a Value Driven Design Framework for Aviation. , 2017, , . | | 1 |
| 14 | Value-Centric/Driven Design - Application for the Space Industry. , 2017, , . | | 0 |
| 15 | Dynamic Resource Allocation for Efficient Sharing of Services from Heterogeneous Autonomous Vehicles. Journal of Aerospace Information Systems, 2016, 13, 450-474. | 1.4 | 1 |
| 16 | From barcodes to genomes: extending the concept of DNA barcoding. Molecular Ecology, 2016, 25, 1423-1428. | 3.9 | 322 |
| 17 | Telling plant species apart with DNA: from barcodes to genomes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150338. | 4.0 | 234 |
| 18 | Launch and deployment of distributed small satellite systems. Acta Astronautica, 2015, 114, 65-78. | 3.2 | 54 |

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|----|--|-----|-----------|
| 19 | Does complete plastid genome sequencing improve species discrimination and phylogenetic resolution in <i>Araucaria</i> ?. <i>Molecular Ecology Resources</i> , 2015, 15, 1067-1078. | 4.8 | 100 |
| 20 | Small Satellite Launch to LEO: A Review of Current and Future Launch Systems. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2014, 12, Tf_39-Tf_47. | 0.2 | 8 |
| 21 | Measurement of boundary layer ozone concentrations on-board a Skywalker unmanned aerial vehicle. <i>Atmospheric Science Letters</i> , 2014, 15, 252-258. | 1.9 | 21 |
| 22 | Thermocapillary simulation of single bubble dynamics in zero gravity. <i>Acta Astronautica</i> , 2013, 88, 108-115. | 3.2 | 27 |
| 23 | Application of Value-Driven Design to Commercial AeroEngine Systems. <i>Journal of Aircraft</i> , 2012, 49, 688-702. | 2.4 | 63 |
| 24 | Defining a research agenda in Value Driven Design: Questions that need to be asked. <i>Journal of Aerospace Operations</i> , 2012, 1, 329-342. | 0.1 | 24 |
| 25 | Development of a surplus value parameter for use in initial aircraft conceptual design. <i>Journal of Aerospace Operations</i> , 2012, 1, 343-358. | 0.1 | 2 |
| 26 | Investigating catastrophic behavior in aerospace design. <i>Journal of Aerospace Operations</i> , 2011, 1, 55-70. | 0.1 | 0 |
| 27 | Choosing and Using a Plant DNA Barcode. <i>PLoS ONE</i> , 2011, 6, e19254. | 2.5 | 946 |
| 28 | Refining the DNA barcode for land plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19451-19452. | 7.1 | 239 |
| 29 | Investigating the Potential of Using Quota Count as a Design Metric. <i>Journal of Aircraft</i> , 2011, 48, 1894-1902. | 2.4 | 5 |
| 30 | Value-Driven Design. <i>Journal of Aircraft</i> , 2011, 48, 749-759. | 2.4 | 212 |
| 31 | A Systems Approach to Investigate the Rigidity of Intermodal Transport Systems. , 2011, , . | | 1 |
| 32 | Application of Value-Driven Design to Commercial Aero-Engine Systems. , 2010, , . | | 8 |
| 33 | Development of an Airline Revenue Capability Model for Aircraft Design. , 2010, , . | | 5 |
| 34 | The Philosophy of Design Education at the University of Manchester. , 2010, , . | | 1 |
| 35 | Investigating the Potential of Using Quota Count as a Design Metric. , 2010, , . | | 1 |
| 36 | A Technology Management Approach in Support of Strategic Capacity and Environmental Planning. , 2009, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----|-----------|
| 37 | Environmental Challenge: How to Close the Gap Between Policy and Technology?. , 2009, , . | | 5 |
| 38 | Value-Driven Design. , 2009, , . | | 29 |
| 39 | A Method for Rapid Creation of New Vehicles in Airspace Impact Evaluation Tools. , 2009, , . | | 0 |
| 40 | An Interactive Visualization Environment for Decision Making in Aircraft Engine Preliminary Design. , 2007, , . | | 6 |
| 41 | A Concept Selection Method Developed from a Probabilistic Multi-Criteria Decision Making Technique Using Utility Theory. , 2005, , . | | 1 |
| 42 | Program and Design Decisions in an Uncertain and Dynamic Market: Making Engineering Choices Matter. , 2005, , . | | 0 |
| 43 | Gaussian Process Meta-Modeling: Comparison of Gaussian Process Training Methods. , 2003, , . | | 7 |
| 44 | Determination of Revolutionary Requirements Boundaries for a High-Speed, Airbreathing Propulsion System. , 2002, , . | | 1 |
| 45 | A Method for Concept Exploration of Hypersonic Vehicles in the Presence of Open & Evolving Requirements. , 2000, , . | | 4 |
| 46 | A method for concept exploration of hypersonic vehicles in the presence of open and evolving requirements. , 2000, , . | | 6 |
| 47 | Identification of the Requirements Space Topology for a Rapid Response Strike System. , 0, , . | | 3 |
| 48 | Aerospace Systems Design: Economics as a New Way of Thinking?. , 0, , . | | 1 |
| 49 | A Technique for Use of Gaussian Processes in Advanced Meta-Modeling. , 0, , . | | 4 |
| 50 | The Successful Personal Air Vehicle: Business Case Risk Reduction. , 0, , . | | 0 |