

Wim J C Verhagen

List of Publications by Year in descending order

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47
papers

848
citations

623188

14
h-index

500791

28
g-index

53
all docs

53
docs citations

53
times ranked

628
citing authors

#	ARTICLE	IF	CITATIONS
1	Special issue on "new transdisciplinary practices for intelligent manufacturing for industry 4.0". International Journal of Computer Integrated Manufacturing, 2022, 35, 1-3.	2.9	1
2	Analysis of Bilateral Air Services Agreement Liberalization in Australia. Aerospace, 2022, 9, 371.	1.1	0
3	A Web-Based Decision Support System for Aircraft Dispatch and Maintenance. Aerospace, 2021, 8, 154.	1.1	2
4	A novel decision support system for optimizing aircraft maintenance check schedule and task allocation. Decision Support Systems, 2021, 146, 113545.	3.5	29
5	A systematic methodology for Prognostic and Health Management system architecture definition. Reliability Engineering and System Safety, 2020, 193, 106598.	5.1	60
6	Application of Extended Cox Regression Model to Time-On-Wing Data of Aircraft Repairables. Reliability Engineering and System Safety, 2020, 204, 107136.	5.1	14
7	Toward a methodology of requirements definition for prognostics and health management system to support aircraft predictive maintenance. Aerospace Science and Technology, 2020, 102, 105877.	2.5	33
8	Deducing the physical characteristics of an impactor from the resultant damage on aircraft structures. International Journal of Solids and Structures, 2020, 200-201, 94-105.	1.3	2
9	A decision support framework and prototype for aircraft dispatch assessment. Decision Support Systems, 2020, 135, 113338.	3.5	9
10	Stakeholder-oriented systematic design methodology for prognostic and health management system: Stakeholder expectation definition. Advanced Engineering Informatics, 2020, 43, 101041.	4.0	14
11	Dynamic aircraft recovery problem - An operational decision support framework. Computers and Operations Research, 2020, 117, 104892.	2.4	20
12	Disposal and Recycle Economic Assessment for Aircraft and Engine End of Life Solution Evaluation. Applied Sciences (Switzerland), 2020, 10, 522.	1.3	12
13	Use of Textual Elements to Improve Reliability Prediction for Aircraft Component Behavior. Advances in Transdisciplinary Engineering, 2020, , .	0.1	0
14	A Mobile Decision Support System for Aircraft Dispatch. , 2019, , .		0
15	Prediction of damage due to impact for composites on the basis of possible impact threats. International Journal of Impact Engineering, 2019, 132, 103317.	2.4	4
16	Identifying strategic maintenance capacity for accidental damage occurrence in aircraft operations. Journal of Management Analytics, 2019, 6, 30-48.	1.6	3
17	Retirement optimization through aircraft transfers and employment. Journal of Air Transport Management, 2019, 79, 101680.	2.4	4
18	Transdisciplinary systems engineering: implications, challenges and research agenda. International Journal of Agile Systems and Management, 2019, 12, 58.	0.6	45

#	ARTICLE	IF	CITATIONS
19	Future Perspectives in Systems Engineering. , 2019, , 403-420.		2
20	Comparison of Data-driven Prognostics Models: A Process Perspective. , 2019, , .		1
21	Introduction to the Book. , 2019, , 3-15.		0
22	Integrating maintenance work progress monitoring into aircraft maintenance planning decision support. Transportation Research Procedia, 2018, 29, 58-69.	0.8	13
23	Predictive maintenance for aircraft components using proportional hazard models. Journal of Industrial Information Integration, 2018, 12, 23-30.	4.3	28
24	Identification of optimal preventive maintenance decisions for composite components. Transportation Research Procedia, 2018, 29, 202-212.	0.8	1
25	Multi-criteria weighted decision making for operational maintenance processes. Journal of Air Transport Management, 2018, 68, 152-164.	2.4	23
26	A comparative study of Data-driven Prognostic Approaches: Stochastic and Statistical Models. , 2018, , .		6
27	Systematic Design Methodology for Integrated Prognostic and Health Management Systems. , 2018, , .		0
28	Contextualising aircraft maintenance documentation. International Journal of Agile Systems and Management, 2017, 10, 160.	0.6	3
29	Application of a Greedy Algorithm to Military Aircraft Fleet Retirements. Journal of Aerospace Technology and Management, 2017, 9, 357-367.	0.3	2
30	Time to retire: indicators for aircraft fleets. International Journal of Aviation Management, 2016, 3, 221.	0.1	2
31	Correlation of mission type to cyclic loading as a basis for agile military aircraft asset management. Aerospace Science and Technology, 2016, 55, 111-119.	2.5	8
32	Optimising maintenance intervals for multiple maintenance policies: a cross-industrial study. International Journal of Agile Systems and Management, 2015, 8, 219.	0.6	3
33	A method for identification of automation potential through modelling of engineering processes and quantification of information waste. Advanced Engineering Informatics, 2015, 29, 307-321.	4.0	22
34	Maximizing Operational Readiness in Military Aviation by Optimizing Flight and Maintenance Planning. Transportation Research Procedia, 2015, 10, 941-950.	0.8	22
35	Estimation of aircraft component production cost using knowledge based engineering techniques. Advanced Engineering Informatics, 2015, 29, 616-632.	4.0	17
36	Challenges of CE. , 2015, , 807-833.		5

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37	Introduction to the Book. , 2015, , 1-17.		0
38	An evaluation of forecasting methods for aircraft non-routine maintenance material demand. International Journal of Agile Systems and Management, 2014, 7, 383.	0.6	5
39	Aircraft Component Multidisciplinary Design Optimization Considering Cost Performance. , 2014, , .		3
40	Knowledge-based cost modelling of composite wing structures. International Journal of Computer Integrated Manufacturing, 2012, 25, 368-383.	2.9	11
41	A critical review of Knowledge-Based Engineering: An identification of research challenges. Advanced Engineering Informatics, 2012, 26, 5-15.	4.0	291
42	A framework for management of Knowledge-Based Engineering applications as software services: Enabling personalization and codification. Advanced Engineering Informatics, 2012, 26, 219-230.	4.0	28
43	Ontological Modelling of the Aerospace Composite Manufacturing Domain. Advanced Concurrent Engineering, 2011, , 215-222.	0.2	6
44	A multidisciplinary implementation methodology for knowledge based engineering: KNOMAD. Expert Systems With Applications, 2010, 37, 7336-7350.	4.4	52
45	The KNOMAD Methodology for Integration of Multidisciplinary Engineering Knowledge Within Aerospace Production. , 2010, , .		4
46	Drivers of Customer Satisfaction in a Project-Oriented, Business-to-Business Market Environment: An Empirical Study. Advanced Concurrent Engineering, 2009, , 833-844.	0.2	0
47	KBE and Manufacturing Constraints Management. Advanced Concurrent Engineering, 2009, , 783-791.	0.2	4