

Duncan McFarlane

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,594
citations

331670

21
h-index

197818

49
g-index

70
all docs

70
docs citations

70
times ranked

1787
citing authors

#	ARTICLE	IF	CITATIONS
1	Auto ID systems and intelligent manufacturing control. <i>Engineering Applications of Artificial Intelligence</i> , 2003, 16, 365-376.	8.1	378
2	The Impact of Automatic Identification on Supply Chain Operations. <i>International Journal of Logistics Management</i> , 2003, 14, 1-17.	6.6	271
3	Adding sense to the Internet of Things. <i>Personal and Ubiquitous Computing</i> , 2012, 16, 291-308.	2.8	199
4	Hierarchy in distributed shop floor control. <i>Computers in Industry</i> , 2000, 43, 123-137.	9.9	152
5	RFID-based product information in end-of-life decision making. <i>Control Engineering Practice</i> , 2007, 15, 1348-1363.	5.5	142
6	Taxonomy, technology and applications of smart objects. <i>Information Systems Frontiers</i> , 2011, 13, 281-300.	6.4	111
7	An algorithm for dynamic order-picking in warehouse operations. <i>European Journal of Operational Research</i> , 2016, 248, 107-122.	5.7	106
8	Product intelligence in industrial control: Theory and practice. <i>Annual Reviews in Control</i> , 2013, 37, 69-88.	7.9	98
9	Augmented Reality in Warehouse Operations: Opportunities and Barriers. <i>IFAC-PapersOnLine</i> , 2017, 50, 12979-12984.	0.9	89
10	Supply chain data analytics for predicting supplier disruptions: a case study in complex asset manufacturing. <i>International Journal of Production Research</i> , 2020, 58, 3330-3341.	7.5	88
11	RFID opportunity analysis for leaner manufacturing. <i>International Journal of Production Research</i> , 2010, 48, 2745-2764.	7.5	77
12	Intelligent logistics: Involving the customer. <i>Computers in Industry</i> , 2016, 81, 105-115.	9.9	71
13	Digital interoperability in logistics and supply chain management: state-of-the-art and research avenues towards Physical Internet. <i>Computers in Industry</i> , 2021, 128, 103435.	9.9	61
14	Extracting supply chain maps from news articles using deep neural networks. <i>International Journal of Production Research</i> , 2020, 58, 5320-5336.	7.5	60
15	An interventionist strategy for warehouse order picking: Evidence from two case studies. <i>International Journal of Production Economics</i> , 2017, 189, 63-76.	8.9	50
16	Robust stabilization of normalized coprime factors: an explicit H_{∞} solution. , 1988, , ,		35
17	Enabling through life product-instance management: Solutions and challenges. <i>Journal of Network and Computer Applications</i> , 2011, 34, 1015-1031.	9.1	34
18	Will Intelligent Assets Take Off? Toward Self-Serving Aircraft. <i>IEEE Intelligent Systems</i> , 2011, 26, 66-75.	4.0	31

#	ARTICLE	IF	CITATIONS
19	Contributions of Healthcare 4.0 digital applications to the resilience of healthcare organizations during the COVID-19 outbreak. <i>Technovation</i> , 2022, 111, 102379.	7.8	30
20	Determining the value of asset location information systems in a manufacturing environment. <i>International Journal of Production Economics</i> , 2010, 126, 324-334.	8.9	26
21	A distributed architecture for reconfigurable control of continuous process operations. <i>Journal of Intelligent Manufacturing</i> , 2008, 19, 215-232.	7.3	24
22	Modelling information requirements in complex engineering services. <i>Computers in Industry</i> , 2012, 63, 349-360.	9.9	23
23	Towards the future-proofing of UK infrastructure. <i>Infrastructure Asset Management</i> , 2016, 3, 28-41.	1.6	23
24	Radio frequency identification data capture and its impact on shelf replenishment. <i>International Journal of Logistics Research and Applications</i> , 2007, 10, 71-93.	8.8	21
25	Towards the deployment of customer orientation: A case study in third-party logistics. <i>Computers in Industry</i> , 2019, 104, 75-87.	9.9	21
26	Digital Manufacturing on a Shoestring: Low Cost Digital Solutions for SMEs. <i>Studies in Computational Intelligence</i> , 2020, , 40-51.	0.9	21
27	Assessing ease of reconfiguration of conventional and Holonic manufacturing systems: Approach and case study. <i>Engineering Applications of Artificial Intelligence</i> , 2009, 22, 1015-1024.	8.1	20
28	A team-based holonic approach to robotic assembly cell control. <i>Journal of Network and Computer Applications</i> , 2005, 29, 160-176.	9.1	18
29	Quantifying the impact of AIDC technologies for vehicle component recovery. <i>Computers and Industrial Engineering</i> , 2010, 59, 296-307.	6.3	17
30	Balancing Push and Pull Strategies within the Production System. <i>IFAC-PapersOnLine</i> , 2016, 49, 66-71.	0.9	17
31	Value of RFID in remanufacturing. <i>International Journal of Services Operations and Informatics</i> , 2007, 2, 225.	0.3	16
32	Intelligent Products in the Supply Chain - 10 Years On. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012, 45, 655-660.	0.4	16
33	Customising with 3D printing: The role of intelligent control. <i>Computers in Industry</i> , 2018, 103, 38-46.	9.9	16
34	Asset information management: research challenges. , 2008, , .		15
35	Bayesian Supply Chain Tracking Using Serial-Level Information. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2011, 41, 733-742.	2.9	15
36	Evaluating the benefits of picking and packing planning integration in e-commerce warehouses. <i>European Journal of Operational Research</i> , 2022, 301, 67-81.	5.7	14

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37	Value of information in product recovery decisions: a Bayesian approach. International Journal of Sustainable Engineering, 2010, 3, 106-120.	3.5	13
38	Digital interoperability and transformation in logistics and supply chain management: Editorial. Computers in Industry, 2021, 129, 103462.	9.9	13
39	Achieving holonic control – an incremental approach. Computers in Industry, 2003, 51, 211-223.	9.9	12
40	Examining the value of flexible logistics offerings. European Journal of Operational Research, 2021, 290, 968-981.	5.7	12
41	Networked RFID in Industrial Control: Current and Future. , 2004, , 3-12.		10
42	Adaptive Storage Location Assignment for Warehouses Using Intelligent Products. Studies in Computational Intelligence, 2015, , 271-279.	0.9	10
43	Product Intelligence in Warehouse Management: A Case Study. Lecture Notes in Computer Science, 2013, , 224-235.	1.3	10
44	Intelligent Products in the Supply Chain - 10 Years on. Studies in Computational Intelligence, 2013, , 103-117.	0.9	8
45	Investigating the Role of Product Information in End-of-Life Decision Making. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 413-418.	0.4	7
46	A Framework for Distributed Intelligent Automation Systems Developments. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 758-763.	0.4	7
47	Designing Automated Allocation Mechanisms for Service Procurement of Imperfectly Substitutable Services. IEEE Transactions on Games, 2013, 5, 15-32.	1.4	7
48	The Role of Distributed Intelligence in Warehouse Management Systems. Studies in Computational Intelligence, 2014, , 63-77.	0.9	7
49	Towards Lean and Resilient Production. IFAC-PapersOnLine, 2015, 48, 2387-2392.	0.9	7
50	Product identity and its impact on discrete event observability. , 2003, , .		6
51	Product Intelligence: Theory and Practice. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 9-14.	0.4	6
52	Emergent flow shop control based on MASCADA agents. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 187-192.	0.4	5
53	Integrating a New Machine into an Existing Manufacturing System by using Holonic Approach. , 2007, , .		5
54	Guest Editorial Special Section on RFID. IEEE Transactions on Automation Science and Engineering, 2009, 6, 1-3.	5.2	5

#	ARTICLE	IF	CITATIONS
55	Framework for Simulation-based Performance Assessment and Resilience Improvement. IFAC-PapersOnLine, 2016, 49, 289-294.	0.9	4
56	Potential Problem Data Tagging: Augmenting information systems with the capability to deal with inaccuracies. Decision Support Systems, 2019, 121, 72-83.	5.9	4
57	A Maturity Framework for Operational Resilience and Its Application to Production Control. Studies in Computational Intelligence, 2018, , 51-62.	0.9	3
58	A Bayesian decision support system for vehicle component recovery. International Journal of Sustainable Manufacturing, 2009, 1, 415.	0.3	2
59	Travel behaviour applied in freight transportation using intelligent products. , 2012, , .		2
60	Intelligent Products through SOHOMA Prism. Studies in Computational Intelligence, 2021, , 367-384.	0.9	2
61	Supply Chain Management Using Auto-ID Systems. , 2004, , 367-392.		1
62	Overcoming limited dataset availability when working with industrial organisations. , 2015, , .		1
63	Smart tracking to enable disturbance tolerant manufacturing through enhanced product intelligence. , 2015, , .		1
64	An enhanced cycle counting approach utilising historical inventory data. IFAC-PapersOnLine, 2016, 49, 1347-1352.	0.9	1
65	A Framework for Distributed Intelligent Automation Systems Developments. Studies in Computational Intelligence, 2013, , 313-326.	0.9	1
66	New directions for warehousing data management research: Extensions to an existing review. , 2015, , .		0
67	Rationales of Holonic Manufacturing Systems in Leather Industry. Lecture Notes in Computer Science, 2013, , 199-211.	1.3	0