John M Usher

List of Publications by Year
in descending order

51 papers	1,202 citations	430874 18 h-index	377865 34 g-index
52 all docs	52 docs citations	52 times ranked	1001 citing authors

#	Article	IF	Citations
1	A stochastic programming approach for electric vehicle charging station expansion plans. International Journal of Production Economics, 2020, 220, 107461.	8.9	31
2	Managing load congestion in electric vehicle charging stations under power demand uncertainty. Expert Systems With Applications, 2019, 125, 195-220.	7.6	26
3	Recycling welding rod residuals based on development of a top-down nanomanufacturing system employing indexing equal channel angular pressing. International Journal of Advanced Manufacturing Technology, 2018, 94, 1087-1099.	3.0	4
4	The collaboration capability of global virtual teams: relationships with functional diversity, absorptive capacity, and innovation. International Journal of Management Science and Engineering Management, 2018, 13, 1-10.	3.1	13
5	Understanding Human Response to the Presence and Actions of Unmanned Ground Vehicle Systems in Field Environment. IEEE Transactions on Human-Machine Systems, 2018, 48, 325-336.	3.5	2
6	Are Black Robots Like Black People? Examining How Negative Stigmas about Race Are Applied to Colored Robots. Sociological Inquiry, 2018, 88, 626-648.	2.0	6
7	A collaborative energy sharing optimization model among electric vehicle charging stations, commercial buildings, and power grid. Applied Energy, 2018, 229, 841-857.	10.1	85
8	Simulation modeling of pedestrian behavior in the presence of unmanned mobile robots. Simulation Modelling Practice and Theory, 2017, 75, 96-112.	3.8	6
9	Survey of Factors for the Prediction of Human Comfort with a Non-anthropomorphic Robot in Public Spaces. International Journal of Social Robotics, 2017, 9, 165-180.	4.6	16
10	COLLABORATION CAPABILITY IN VIRTUAL TEAMS: EXAMINING THE INFLUENCE ON DIVERSITY AND INNOVATION. International Journal of Innovation Management, 2017, 21, 1750034.	1.2	22
11	Absorptive capacity in virtual teams: examining the influence on diversity and innovation. Journal of Knowledge Management, 2017, 21, 1342-1361.	5.1	22
12	Factor screening experiments using fractional factorial split plot designs and regression analysis in developing a top-down nanomanufacturing system for recycling of welding rod residuals. Production and Manufacturing Research, 2017, 5, 118-139.	1.5	4
13	An integrated solution for the aircraft taxi and gate assignment problems. Cogent Engineering, 2017, 4, 1413722.	2.2	6
14	Aircraft gate assignment: Using a deterministic approach for integrating freight movement and aircraft taxiing. Computers and Industrial Engineering, 2016, 102, 44-57.	6.3	18
15	Modeling air passengers' rescheduling strategies for airport service lines based on an empirical study with the aid of a virtual 3-D computer graphic environment. Public Transport, 2016, 8, 57-84.	2.7	2
16	Sequencing jobs in an engineer-to-order engineering environment. Production and Manufacturing Research, 2015, 3, 201-217.	1.5	15
17	Developing due dates in an engineer-to-order engineering environment. International Journal of Production Research, 2014, 52, 6349-6361.	7.5	31
18	An analysis of activity scheduling behavior of airport travelers. Computers and Industrial Engineering, 2014, 74, 208-218.	6.3	25

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19	Determining job complexity in an engineer to order environment for due date estimation using a proposed framework. International Journal of Production Research, 2013, 51, 5728-5740.	7.5	15
20	Simulating operational behaviors of pedestrian navigation. Computers and Industrial Engineering, 2010, 59, 736-747.	6.3	10
21	Simulation of Pedestrian Behavior in Intermodal Facilities. International Journal of Agent Technologies and Systems, 2010, 2, 66-82.	0.1	4
22	Utilization of behavioral studies in developing the intermodal simulator for the analysis of pedestrian traffic (ISAPT). Transportation Planning and Technology, 2010, 33, 281-295.	2.0	6
23	Simulation of pedestrian behavior in intermodal facilities. , 2010, , .		1
24	A study of real-time identification and monitoring of barge-carried hazardous commodities. , 2009, , .		0
25	Analyzing Pedestrian Traffic Behavior Using Video Footage, Zone of Comfort and Situation Awareness. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 600-604.	0.3	1
26	Simulation Software for Illustrating the Performance Impact of Process Variation and Workstation Dependency. Decision Sciences Journal of Innovative Education, 2008, 6, 343-347.	0.8	3
27	A reinforcement learning approach for developing routing policies in multi-agent production scheduling. International Journal of Advanced Manufacturing Technology, 2007, 33, 323-333.	3.0	21
28	Application of reinforcement learning for agent-based production scheduling. Engineering Applications of Artificial Intelligence, 2005, 18, 73-82.	8.1	176
29	Learning policies for single machine job dispatching. Robotics and Computer-Integrated Manufacturing, 2004, 20, 553-562.	9.9	32
30	Negotiation-based routing in job shops via collaborative agents. Journal of Intelligent Manufacturing, 2003, 14, 485-499.	7.3	28
31	Evaluating the impact of alternative plans on manufacturing performance. Computers and Industrial Engineering, 2003, 45, 585-596.	6.3	31
32	<title>Judging the value of additional information on the performance of intelligent agents in manufacturing control</title>. , 2000, 4192, 142.		3
33	Preface: Cognitive engineering in automated systems design. Human Factors and Ergonomics in Manufacturing, 2000, 10, 363-367.	2.7	1
34	Establishing information requirements for supervisory controllers in a flexible manufacturing system using GTA. Human Factors and Ergonomics in Manufacturing, 2000, 10, 431-452.	2.7	20
35	Step Standards in Design and Manufacturing. , 2000, , 259-284.		0
36	Speculations on the Value of Telepresence. Cyberpsychology, Behavior and Social Networking, 1999, 2, 349-362.	2.2	25

#	ARTICLE	IF	CITATIONS
37	An object-oriented application of tool selection in dynamic process planning. International Journal of Production Research, 1999, 37, 2879-2894.	7.5	16
38	Step Standards in Design and Manufacturing. , 1999, , 259-284.		0
39	Telepresence. Human Factors, 1998, 40, 354-375.	3.5	295
40	Intelligent Reasoning in the Generation of Alternative Sequences for Feature-Based Process Planning. Intelligent Automation and Soft Computing, 1997, 3, 207-219.	2.1	7
41	Implementing Concurrent Engineering in Small Manufacturing Enterprises. EMJ - Engineering Management Journal, 1996, 8, 33-43.	2.3	6
42	The application of genetic algorithms to operation sequencing for use in computer-aided process planning. Computers and Industrial Engineering, 1996, 30, 999-1013.	6.3	36
43	A STEP-based object-oriented product model for process planning. Computers and Industrial Engineering, 1996, 31, 185-188.	6.3	20
44	Using evolution strategies and simulation to optimize a pull production system. Journal of Materials Processing Technology, 1996, 61, 47-52.	6.3	15
45	Dynamic process planning â€" The static phase. Journal of Materials Processing Technology, 1996, 61, 53-58.	6.3	44
46	A tutorial and review of object-oriented design of manufacturing software systems. Computers and Industrial Engineering, 1996, 30, 781-798.	6.3	12
47	A two-phased approach to dynamic process planning. Computers and Industrial Engineering, 1996, 31, 173-176.	6.3	15
48	Integration of evolutionary programming and simulation to optimize a pull production system. Computers and Industrial Engineering, 1996, 31, 217-220.	6.3	12
49	Computer-aided tool selection for turning and boring. Computers and Industrial Engineering, 1993, 25, 207-210.	6.3	3
50	An object-oriented approach to product modeling for manufacturing systems. Computers and Industrial Engineering, 1993, 25, 557-560.	6.3	10
51	A knowledge based interface for message translation between shop floor devices. Journal of Intelligent Manufacturing, 1990, 1, 155-163.	7.3	0