

F Frank Chen

List of Publications by Year in descending order

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45
papers

1,692
citations

516710

16
h-index

289244

40
g-index

48
all docs

48
docs citations

48
times ranked

1193
citing authors

#	ARTICLE	IF	CITATIONS
1	Using machine learning for service candidate sets retrieval in service composition of cloud-based manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 115, 941.	3.0	10
2	Natural Language Processing for comprehensive service composition in cloud manufacturing systems. <i>Procedia Manufacturing</i> , 2021, 55, 343-349.	1.9	5
3	Frameworks Proposed to Address the Threat of Cyber-Physical Attacks to Lean 4.0 Systems. <i>Procedia Manufacturing</i> , 2020, 51, 1184-1191.	1.9	9
4	A classification-based approach for integrated service matching and composition in cloud manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020, 66, 101989.	9.9	40
5	Integration of Lean practices and Industry 4.0 technologies: smart manufacturing for next-generation enterprises. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 2927-2936.	3.0	121
6	Optimal composition of tasks in cloud manufacturing platform: a novel hybrid GWO-GA approach. <i>Procedia Manufacturing</i> , 2019, 34, 961-968.	1.9	11
7	A hybrid grey wolf optimizer algorithm with evolutionary operators for optimal QoS-aware service composition and optimal selection in cloud manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 101, 2771-2784.	3.0	57
8	Service optimal selection and composition in cloud manufacturing: a comprehensive survey. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 97, 795-808.	3.0	69
9	D3S Model for Sustainable Process Excellence. <i>Procedia Manufacturing</i> , 2018, 26, 1441-1447.	1.9	5
10	Service matching and selection in cloud manufacturing: a state-of-the-art review. <i>Procedia Manufacturing</i> , 2018, 26, 1128-1136.	1.9	17
11	Cloud Kanban Framework for Service Operations Management. <i>Procedia Manufacturing</i> , 2018, 17, 531-538.	1.9	14
12	A modified discrete invasive weed algorithm for optimal service composition in cloud manufacturing systems. <i>Procedia Manufacturing</i> , 2018, 17, 403-410.	1.9	15
13	Web-based Visual Decision Support System (WVDSS) for letter shop. <i>Robotics and Computer-Integrated Manufacturing</i> , 2017, 43, 148-154.	9.9	8
14	Throughput Rate Improvement in a Multiproduct Assembly Line Using Lean and Simulation Modeling and Analysis. <i>Procedia Manufacturing</i> , 2017, 11, 593-601.	1.9	12
15	A Cloud-based Kanban Decision Support System for Resource Scheduling & Management. <i>Procedia Manufacturing</i> , 2017, 11, 1489-1494.	1.9	11
16	Knowledge kanban system for virtual research and development. <i>Robotics and Computer-Integrated Manufacturing</i> , 2013, 29, 119-134.	9.9	17
17	Optimization“simulation”optimization based approach for proactive variation reduction in assembly. <i>Robotics and Computer-Integrated Manufacturing</i> , 2012, 28, 613-620.	9.9	9
18	A Web-Based Lean Simulation Game for Office Operations: Training the Other Side of a Lean Enterprise. <i>Simulation and Gaming</i> , 2010, 41, 487-510.	1.9	19

#	ARTICLE	IF	CITATIONS
19	Performance analysis of serial supply chain networks considering system disruptions. <i>Production Planning and Control</i> , 2010, 21, 774-793.	8.8	12
20	Distributed and centralised material handling scheduling: Comparison and results of a simulation study. <i>Robotics and Computer-Integrated Manufacturing</i> , 2009, 25, 441-448.	9.9	12
21	Decision support for lean practitioners: A web-based adaptive assessment approach. <i>Computers in Industry</i> , 2009, 60, 277-283.	9.9	75
22	Simulated annealing and ant colony optimization algorithms for the dynamic throughput maximization problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 37, 837-850.	3.0	3
23	A Web-based Kanban system for job dispatching, tracking, and performance monitoring. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 38, 995-1005.	3.0	27
24	Adaptive scheduling and tool flow control in flexible job shops. <i>International Journal of Production Research</i> , 2008, 46, 4035-4059.	7.5	11
25	A leanness measure of manufacturing systems for quantifying impacts of lean initiatives. <i>International Journal of Production Research</i> , 2008, 46, 6567-6584.	7.5	190
26	Simulation and training for lean implementation using web-based technology. <i>International Journal of Services Operations and Informatics</i> , 2008, 3, 1.	0.3	12
27	Manufacturing scheduling in decentralised holonic systems using artificial intelligence techniques. <i>International Journal of Manufacturing Technology and Management</i> , 2007, 11, 389.	0.1	5
28	Measuring the impact of Lean tools on the cost-time investment of a product using cost-time profiles. <i>Robotics and Computer-Integrated Manufacturing</i> , 2007, 23, 684-689.	9.9	104
29	Quantitative Robustness Index Design for Supply Chain Networks. , 2007, , 369-391.		5
30	Scheduling unrelated parallel machines to minimize total weighted tardiness. , 2006, , .		3
31	Simulated annealing and genetic algorithm for unrelated parallel machine scheduling considering set-up times. <i>International Journal of Computer Applications in Technology</i> , 2006, 26, 28.	0.5	7
32	Agile Inspection Planning Based on CAD-Data. <i>Computer-Aided Design and Applications</i> , 2006, 3, 69-78.	0.6	4
33	Development and Applications of Holonic Manufacturing Systems: A Survey. <i>Journal of Intelligent Manufacturing</i> , 2006, 17, 111-131.	7.3	217
34	Real-time holonic scheduling of material handling operations in a dynamic manufacturing environment. <i>Robotics and Computer-Integrated Manufacturing</i> , 2005, 21, 328-337.	9.9	38
35	Performance modeling and analysis of integrated logistic chains: An analytic framework. <i>European Journal of Operational Research</i> , 2005, 162, 83-98.	5.7	60
36	Petri net-based workflow modelling and analysis of the integrated manufacturing business processes. <i>International Journal of Advanced Manufacturing Technology</i> , 2005, 26, 1163-1172.	3.0	21

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37	The impacts of component commonality on integrated supply chain network performance: a state and resource-based simulation study. <i>International Journal of Advanced Manufacturing Technology</i> , 2005, 27, 397-406.	3.0	16
38	A FRAMEWORK FOR PERFORMANCE-DRIVEN WEB-BASED MANUFACTURING. <i>Journal of the Chinese Institute of Industrial Engineers</i> , 2004, 21, 527-534.	0.5	3
39	Unrelated parallel machine scheduling with setup times and a total weighted tardiness objective. <i>Robotics and Computer-Integrated Manufacturing</i> , 2003, 19, 173-181.	9.9	107
40	Adaptive scheduling in random flexible manufacturing systems subject to machine breakdowns. <i>International Journal of Production Research</i> , 2003, 41, 1927-1951.	7.5	18
41	Unrelated parallel machine scheduling with setup times using simulated annealing. <i>Robotics and Computer-Integrated Manufacturing</i> , 2002, 18, 223-231.	9.9	198
42	Real-time control and scheduling of flexible manufacturing systems: An ordinal optimisation based approach. <i>International Journal of Advanced Manufacturing Technology</i> , 1998, 14, 775-786.	3.0	17
43	The state of the art in intelligent real-time FMS control: a comprehensive survey. <i>Journal of Intelligent Manufacturing</i> , 1996, 7, 441-455.	7.3	58
44	Concurrent design of manufacturing cell and control functions: A neural network approach. <i>International Journal of Advanced Manufacturing Technology</i> , 1995, 10, 118-130.	3.0	12
45	Concurrent cell design and cell control system configuration. , 1993, , 231-247.		4