Mahmoud Houshmand

List of Publications by Year
in descending order

40	963	516215 16	454577 30
papers	citations	h-index	g-index

40	40	40	693
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Allocation and scheduling of digital dentistry services in a dental cloud manufacturing system. International Journal of Computer Integrated Manufacturing, 2022, 35, 645-661.	2.9	4
2	Multi-phase matching mechanism for stable and optimal resource allocation in cloud manufacturing platforms Using IF-VIKOR method and deferred acceptance algorithm. International Journal of Management Science and Engineering Management, 2022, 17, 103-111.	2.6	4
3	Equilibrial service composition model in Cloud manufacturing (ESCM) based on non-cooperative and cooperative game theory for healthcare service equipping. PeerJ Computer Science, 2021, 7, e410.	2.7	10
4	A matching mechanism for public cloud manufacturing platforms using intuitionistic Fuzzy VIKOR and deferred acceptance algorithm. International Journal of Management Science and Engineering Management, 2021, 16, 107-122.	2.6	15
5	Integrated forward and reverse logistics in cloud manufacturing: an agent-based multi-layer architecture and optimization via genetic algorithm. Production Engineering, 2021, 15, 801-819.	1.1	7
6	A utility-based matching mechanism for stable and optimal resource allocation in cloud manufacturing platforms using deferred acceptance algorithm. Journal of Manufacturing Systems, 2021, 60, 569-584.	7.6	35
7	An integrated fuzzy inference system and AHP approach for criticality analysis of assets: A case study of a gas refinery. Journal of Intelligent and Fuzzy Systems, 2021, 41, 199-217.	0.8	6
8	An autonomous framework for interpretation of 3D objects geometric data using 2D images for application in additive manufacturing. PeerJ Computer Science, 2021, 7, e629.	2.7	3
9	Failure Mode and Effect Analysis using an integrated approach of clustering and MCDM under pythagorean fuzzy environment. Journal of Loss Prevention in the Process Industries, 2021, 72, 104591.	1.7	24
10	Service composition and optimal selection in cloud manufacturing: landscape analysis and optimization by a hybrid imperialist competitive and local search algorithm. Neural Computing and Applications, 2020, 32, 10873-10894.	3.2	14
11	Configuration design of scalable reconfigurable manufacturing systems for part family. International Journal of Production Research, 2020, 58, 2974-2996.	4.9	43
12	Flexible flow line scheduling considering machine eligibility in a digital dental laboratory. International Journal of Production Research, 2020, 58, 6513-6531.	4.9	24
13	A Novel Mathematical Model for a Cloud-Based Drone Enabled Vehicle Routing Problem considering Multi-Echelon Supply Chain. IFAC-PapersOnLine, 2020, 53, 15035-15040.	0.5	9
14	A novel digital dentistry platform based on cloud manufacturing paradigm. International Journal of Computer Integrated Manufacturing, 2019, 32, 1024-1042.	2.9	15
15	Cloud manufacturing service selection optimization and scheduling with transportation considerations: mixed-integer programming models. International Journal of Advanced Manufacturing Technology, 2018, 95, 43-70.	1.5	75
16	Configuration design in scalable reconfigurable manufacturing systems (RMS); a case of single-product flow line (SPFL). International Journal of Production Research, 2018, 56, 3932-3954.	4.9	53
17	An imperialist competitive algorithm for service composition and optimal selection in cloud manufacturing. , 2017, , .		3
18	Applications of Axiomatic Design Theory in Design for Human Safety in Manufacturing Systems: A Literature Review. MATEC Web of Conferences, 2017, 127, 01020.	0.1	3

#	Article	IF	Citations
19	A Road Map for Knowledge Management Systems Design Using Axiomatic Design Approach. MATEC Web of Conferences, 2017, 127, 01022.	0.1	0
20	A Statistical Solution to Mitigate Functional Requirements Coupling Generated from Process (Manufacturing) Variables Integration-part I. Procedia CIRP, 2015, 34, 69-75.	1.0	3
21	A Statistical Solution to Mitigate Functional Requirements Coupling Generated from Process (Manufacturing) Variables Integration-part 2: A Case Study on Clarifying the Effect of Process (Manufacturing) Variables Integration on Functional Requirements Independency. Procedia CIRP, 2015, 34, 76-80.	1.0	1
22	Cloud-Based Global Supply Chain: A Conceptual Model and Multilayer Architecture. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2015, 137, .	1.3	26
23	Depicting additive manufacturing from a global perspective; using Cloud manufacturing paradigm for integration and collaboration. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 2216-2237.	1.5	24
24	Optimization of design parameters of a limited angle torque motor using analytical hierarchy process and axiomatic design theory. Production and Manufacturing Research, 2014, 2, 400-414.	0.9	7
25	A platform for optimisation in distributed manufacturing enterprises based on cloud manufacturing paradigm. International Journal of Computer Integrated Manufacturing, 2014, 27, 1031-1054.	2.9	40
26	A Manufacturing Ontology Model to Enable Data Integration Services in Cloud Manufacturing using Axiomatic Design Theory. , 2014, , 179-206.		20
27	A layered and modular platform to enable distributed CAx collaboration and support product data integration based on STEP standard. International Journal of Computer Integrated Manufacturing, 2013, 26, 731-750.	2.9	24
28	A collaborative and integrated platform to support distributed manufacturing system using a service-oriented approach based on cloud computing paradigm. Robotics and Computer-Integrated Manufacturing, 2013, 29, 110-127.	6.1	195
29	LAYMOD: a layered and modular platform for CAx product data integration based on the modular architecture of the standard for exchange of product data. International Journal of Computer Integrated Manufacturing, 2012, 25, 473-487.	2.9	23
30	Production planning and performance optimization of reconfigurable manufacturing systems using genetic algorithm. International Journal of Advanced Manufacturing Technology, 2011, 54, 373-392.	1.5	57
31	Improve the classification and sales management of products using multi-relational data mining. , 2011, , .		0
32	Introducing a roadmap to implement the Universal Manufacturing Platform using Axiomatic Design theory. International Journal of Manufacturing Research, 2010, 5, 252.	0.1	22
33	INFELT STEP: An integrated and interoperable platform for collaborative CAD/CAPP/CAM/CNC machining systems based on STEP standard. International Journal of Computer Integrated Manufacturing, 2010, 23, 1095-1117.	2.9	47
34	Using flower pollinating with artificial bees (FPAB) technique to determine machinable volumes in process planning for prismatic parts. International Journal of Advanced Manufacturing Technology, 2009, 45, 944-957.	1.5	5
35	Production planning of reconfigurable manufacturing systems with stochastic demands using Tabu search. International Journal of Manufacturing Technology and Management, 2009, 17, 125.	0.1	16
36	A Volume Decomposition Model to Determine Machining Features for Prismatic Parts. Journal of Applied Sciences, 2009, 9, 1703-1710.	0.1	3

#	Article	IF	Citations
37	Rapid Manufacturing. , 2008, , 127-152.		1
38	An extended model of design process of lean production systems by means of process variables. Robotics and Computer-Integrated Manufacturing, 2006, 22, 1-16.	6.1	97
39	An Integrated Framework for Product Design and Macro Process Planning Based on ISO 10303 Standard - A Case Study: Integration of Glass Bottle and its Mold Design. Applied Mechanics and Materials, 0, 826, 15-22.	0.2	0
40	Development of public cloud manufacturing markets: a mechanism design approach. International Journal of Systems Science: Operations and Logistics, 0, , 1-27.	2.0	5