

Bopaya Bidanda

List of Publications by Year
in descending order

Source: <https://exaly.com/author-pdf/5382047/publications.pdf>

Version: 2024-02-01

61
papers

1,302
citations

430874

18
h-index

377865

34
g-index

64
all docs

64
docs citations

64
times ranked

1065
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstructing original design: Process planning for reverse engineering. IIE Transactions, 2023, 55, 509-522.	2.4	6
2	Tolerance estimation and metrology for reverse engineering based remanufacturing systems. International Journal of Production Research, 2022, 60, 2802-2815.	7.5	9
3	A framework of tolerance specification for freeform point clouds and capability analysis for reverse engineering processes. International Journal of Production Research, 2022, 60, 7475-7491.	7.5	0
4	Geometric precision analysis for Additive Manufacturing processes: A comparative study. Precision Engineering, 2021, 69, 68-76.	3.4	15
5	Assessing the global burden of hemorrhage: The global blood supply, deficits, and potential solutions. SAGE Open Medicine, 2021, 9, 205031212110549.	1.8	17
6	Sustainable manufacturing production-inventory decision of multiple factories with JIT logistics, component recovery and emission control. Transportation Research, Part E: Logistics and Transportation Review, 2019, 128, 356-383.	7.4	39
7	Optimal decision of an economic production quantity model for imperfect manufacturing under hybrid maintenance policy with shortages and partial backlogging. International Journal of Production Research, 2019, 57, 6061-6085.	7.5	16
8	Instant production-replenishment and coordination mechanism for short life cycle and deteriorating item with stock-dependent demand. International Journal of Systems Science: Operations and Logistics, 2018, 5, 45-59.	3.0	1
9	Review of reverse engineering systems – current state of the art. Virtual and Physical Prototyping, 2017, 12, 161-172.	10.4	64
10	Optimal inventory replenishment, production, and promotion effect with risks of production disruption and stochastic demand. Journal of Industrial and Production Engineering, 2017, 34, 79-89.	3.1	9
11	A brief history of health systems engineering - its early years through 1989: An industrial engineering perspective. IIE Transactions on Healthcare Systems Engineering, 2014, 4, 217-229.	0.8	6
12	An oligopoly model to analyze the market and social welfare for green manufacturing industry. Journal of Cleaner Production, 2014, 85, 94-103.	9.3	33
13	Operating room turnaround time analysis: a case study. International Journal of Collaborative Enterprise, 2014, 4, 101.	0.2	1
14	Assessing the environmental footprint of manufactured products: A survey of current literature. International Journal of Production Economics, 2013, 146, 515-523.	8.9	73
15	Sustainable manufacturing and the role of the<i>International Journal of Production Research</i>. International Journal of Production Research, 2013, 51, 7448-7455.	7.5	45
16	Laser and Photonic Systems Integration: Emerging Innovations and Framework for Research and Education. Human Factors and Ergonomics in Manufacturing, 2013, 23, 483-516.	2.7	7
17	A hybrid modelling framework to simulate disaster response decisions. International Journal of Advanced Intelligence Paradigms, 2012, 4, 83.	0.3	0
18	Material and process selection in product design using decision-making technique (AHP). European Journal of Industrial Engineering, 2012, 6, 322.	0.8	30

#	ARTICLE	IF	CITATIONS
19	A game theory model for analysing market competition in sustainable manufacturing industry. International Journal of Sustainable Manufacturing, 2011, 2, 161.	0.3	0
20	Modeling sustainable product lifecycle decision support systems. International Journal of Production Economics, 2009, 122, 366-375.	8.9	77
21	Minimising total cost with regular and emergency outsourcing sources: a neuro-dynamic programming approach. International Journal of Production Research, 2009, 47, 5811-5827.	7.5	6
22	Metallic and Ceramic Biomaterials: Current and Future Developments. , 2008, , 1-14.		12
23	A multi-objective model for project portfolio selection to implement lean and Six Sigma concepts. International Journal of Production Research, 2008, 46, 6611-6625.	7.5	136
24	Leveraging Six Sigma with industrial engineering tools in crateless retort production. International Journal of Production Research, 2008, 46, 6701-6719.	7.5	27
25	Advanced Processes to Fabricate Scaffolds for Tissue Engineering. , 2008, , 149-170.		21
26	A modeling technique for execution and simulation of discrete automation. , 2008, , 273-277.		1
27	Reverse Engineering and Rapid Prototyping. , 2007, , 977-990.		9
28	System implementation issues of dynamic discrete disaster decision simulation system (D4S2) - phase I. , 2007, , .		0
29	Reverse Engineering: A Review & Evaluation of Contact Based Systems. , 2006, , 107-131.		4
30	Offshoring manufacturing: Implications for engineering jobs and education: A survey and case study. Robotics and Computer-Integrated Manufacturing, 2006, 22, 576-587.	9.9	17
31	Attribute-level neighbor hierarchy construction using evolved pattern-based knowledge induction. IEEE Transactions on Knowledge and Data Engineering, 2006, 18, 917-929.	5.7	1
32	Computer-aided reverse engineering of the human musculoskeletal system. Virtual and Physical Prototyping, 2006, 1, 83-91.	10.4	18
33	Human related issues in manufacturing cell design, implementation, and operation: a review and survey. Computers and Industrial Engineering, 2005, 48, 507-523.	6.3	111
34	Strategic planning models for prototyping and product development centres. International Journal of Product Development, 2004, 1, 133.	0.2	1
35	Assessing Human Capital: A Lean Manufacturing Example. EMJ - Engineering Management Journal, 2002, 14, 35-39.	2.3	21
36	Worker assignment in cellular manufacturing considering technical and human skills. International Journal of Production Research, 2002, 40, 1479-1492.	7.5	112

#	ARTICLE	IF	CITATIONS
37	Predicting glass furnace output using statistical and neural computing methods. International Journal of Production Research, 2000, 38, 1255-1269.	7.5	1
38	A neural network process model for abrasive flow machining operations. Journal of Manufacturing Systems, 1998, 17, 52-64.	13.9	62
39	<title>Need for and the development of a generic programming interface for industrial robots</title>. , 1996, 2911, 89.		0
40	Challenges facing information technology to support world class manufacturing. Computers in Industry, 1996, 28, 163-165.	9.9	3
41	Performance standards and testing of two-dimensional bar code systems for overhead scanning. Journal of Manufacturing Systems, 1996, 15, 305-315.	13.9	4
42	A genetic cluster algorithm for the machine-component grouping problem. Journal of Intelligent Manufacturing, 1996, 7, 229-241.	7.3	15
43	Parametric design and NC code generation of countersink cutting tools. International Journal of Computer Integrated Manufacturing, 1996, 9, 105-112.	4.6	0
44	On the Use of Students for Developing Engineering Laboratories. Journal of Engineering Education, 1995, 84, 205-213.	3.0	7
45	Representing group technology classification and coding techniques with object oriented modeling principles. IIE Transactions, 1995, 27, 542-554.	2.1	11
46	Reverse engineering and its relevance to industrial engineering: A critical review. Computers and Industrial Engineering, 1994, 26, 343-348.	6.3	39
47	Reducing waste in casting with a predictive neural model. Journal of Intelligent Manufacturing, 1994, 5, 277-286.	7.3	18
48	Modular software development for digitizing systems data analysis in reverse engineering applications: case of concentric rotational parts. Computers and Industrial Engineering, 1994, 26, 395-410.	6.3	12
49	A student advising system for undergraduate engineering curricular scheduling. Computers and Education, 1994, 22, 205-213.	8.3	2
50	Slip resistance of the shoe-floor interface under biomechanically-relevant conditions. Ergonomics, 1994, 37, 511-524.	2.1	86
51	Relating product specifications and performance data with a neural network model for design improvement. Journal of Intelligent Manufacturing, 1993, 4, 367-374.	7.3	10
52	A castability expert system. Computers and Industrial Engineering, 1993, 25, 99-102.	6.3	3
53	Computer-aided-design-based interactive off-line programming of spray-glazing robots. International Journal of Computer Integrated Manufacturing, 1993, 6, 357-365.	4.6	12
54	On the development of computer bases path planning strategies for Robotic Spray Glazing. Computers and Industrial Engineering, 1992, 23, 15-18.	6.3	5

#	ARTICLE	IF	CITATIONS
55	A part image reconstruction system for reverse engineering of design modifications. Journal of Manufacturing Systems, 1991, 10, 383-395.	13.9	31
56	On the development of a robotic workcell for sanitary ware spray glazing. Computers and Industrial Engineering, 1991, 21, 541-545.	6.3	4
57	On scheduling parallel machines with two setup classes. International Journal of Production Research, 1991, 29, 2443-2458.	7.5	18
58	On the development of an integrated computer system for cephalometric analyses. Journal of Medical Systems, 1990, 14, 1-16.	3.6	0
59	Optimal Selection of Workholding Devices for Rotational Parts. IIE Transactions, 1990, 22, 65-72.	2.1	0
60	Development of a spatter index for automated welding inspection using computer vision. Computers and Industrial Engineering, 1989, 16, 215-224.	6.3	8
61	Project Management and Implementation of Cellular Manufacturing. , 0, , 413-452.		2