Pramod Kumar Jain

List of Publications by Year
in descending order

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57 papers	1,200 citations	361413 20 h-index	395702 33 g-index
57 all docs	57 docs citations	57 times ranked	729 citing authors

#	Article	IF	Citations
1	Tactical supply chain planning for tyre remanufacturing considering carbon tax policy. International Journal of Advanced Manufacturing Technology, 2018, 97, 1505-1528.	3.0	34
2	Study on ultrasonic-assisted electrochemical honing of bevel gears. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 705-712.	2.4	15
3	Characterization and Strain-Hardening Behavior of Friction Stir-Welded Ferritic Stainless Steel. Journal of Materials Engineering and Performance, 2017, 26, 5997-6005.	2.5	8
4	Configuration selection in reconfigurable manufacturing system based on reconfigurability. International Journal of Logistics Systems and Management, 2017, 27, 363.	0.2	0
5	Design of reconfigurable flow lines using MOPSO and maximum deviation theory. International Journal of Advanced Manufacturing Technology, 2016, 84, 1587.	3.0	16
6	Influence of ultrasonic vibrations on process performance of electrochemical honing. International Journal of Advanced Manufacturing Technology, 2016, 87, 1057-1066.	3.0	7
7	Remanufacturing of functional surfaces using developed ECH machine. Journal of Remanufacturing, 2016, 6, 1.	2.7	3
8	Study and Effect of Process Parameters on External Cylindrical Surfaces of Titanium Alloys by Electro Chemical Honing (ECH) Process. Annals of DAAAM & Proceedings, 2016, , 0570-0579.	0.1	1
9	A comparative study of precision finishing of rebuild engine valve faces using micro-grinding and ECH. Journal of Remanufacturing, 2015, 5, 1.	2.7	8
10	Configuration selection of reconfigurable manufacturing system based on performance. International Journal of Industrial and Systems Engineering, 2015, 20, 209.	0.2	23
11	An Overview of Performance Measures in Reconfigurable Manufacturing System. Procedia Engineering, 2014, 69, 1125-1129.	1.2	38
12	Optimum configuration selection in Reconfigurable Manufacturing System involving multiple part families. Opsearch, 2014, 51, 297-311.	1.8	30
13	A novel approach for part family formation for reconfiguration manufacturing system. Opsearch, 2014, 51, 76-97.	1.8	6
14	Tolerance Stack up Analysis for Angularity of Components and their Assembly. Procedia Engineering, 2014, 69, 952-961.	1.2	0
15	Service Level as Performance Index for Reconfigurable Manufacturing System Involving Multiple Part Families. Procedia Engineering, 2014, 69, 814-821.	1.2	22
16	Remanufacturing with ECH â€“ A Concept. Procedia Engineering, 2014, 69, 1100-1104.	1.2	10
17	Part family formation for reconfigurable manufacturing system using K-means algorithm. International Journal of Internet Manufacturing and Services, 2014, 3, 244.	0.1	6
18	A Study of Influence of Electrolyte Composition on ECH of Bevel Gears using Mixture D-Optimal Design. Journal of Mechanical Engineering and Sciences, 2014, 6, 753-761.	0.6	3

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19	A novel approach for part family formation using K-means algorithm. Advances in Manufacturing, 2013, 1, 241-250.	6.1	11
20	A novel methodology to measure the responsiveness of RMTs in reconfigurable manufacturing system. Journal of Manufacturing Systems, 2013, 32, 724-730.	13.9	76
21	Mixture D-Optimal Desing of Electrolyte Composition in ECH of Bevel Gears. Advanced Materials Research, 2013, 685, 347-351.	0.3	6
22	Applying Swarm Intelligence to Design the Reconfigurable Flow Lines. International Journal of Simulation Modelling, 2013, 12, 17-26.	1.3	11
23	Study and model development of erosive wear by RSM. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2012, 226, 57-70.	1.8	2
24	Ontology Development and Agent Communication in Agent-Based Simulation of AGVS. International Journal of Simulation Modelling, 2012, 11, 173-184.	1.3	3
25	Optimal configuration selection for reconfigurable manufacturing system using NSGA II and TOPSIS. International Journal of Production Research, 2012, 50, 4175-4191.	7.5	152
26	Performance modeling of reconfigurable manufacturing system for different dispatching strategies under exception. , 2012, , .		3
27	An integrated model of dynamic cellular manufacturing and supply chain system design. International Journal of Advanced Manufacturing Technology, 2012, 62, 385-404.	3.0	29
28	Editorial: Micromachining. International Journal of Advanced Manufacturing Technology, 2012, 61, 1173-1174.	3.0	3
29	On wire breakage and microstructure in WEDC of SiCp/6061 aluminum metal matrix composites. International Journal of Advanced Manufacturing Technology, 2012, 61, 1199-1207.	3.0	17
30	Multiple Objective Optimization of Reconfigurable Manufacturing System. Advances in Intelligent and Soft Computing, 2012, , 453-460.	0.2	3
31	Artificial Neural Network Modeling of Cutting Force in Turning of Ti-6Al-4V Alloy and Its Comparison with Response Surface Methodology. Advances in Intelligent and Soft Computing, 2012, , 761-768.	0.2	3
32	An approach for agent modeling in manufacturing on JADEâ„¢ reactive architecture. International Journal of Advanced Manufacturing Technology, 2011, 52, 1079-1090.	3.0	22
33	PRECISION FINISHING OF GEARS BY ELECTROCHEMICAL HONING PROCESS: A STATE OF ART REVIEW. Journal of Advanced Manufacturing Systems, 2011, 10, 309-327.	1.0	13
34	Concurrently part-machine groups formation with important production data. International Journal of Simulation Modelling, 2010, 9, 5-16.	1.3	11
35	Study of mechanical and metallurgical characteristics of flame sprayed NiCrBSi as-sprayed and continuous compacted coating. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2010, 224, 107-114.	1.8	1
36	Investigations on precision finishing of helical gears by electrochemical honing process. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2010, 224, 1817-1830.	2.4	35

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37	Part-Machine Group Formation with Ordinal-Ratio Level Data & Production Volume. International Journal of Simulation Modelling, 2009, 8, 90-101.	1.3	10
38	Important issues in tolerance design of mechanical assemblies. Part 1: Tolerance analysis. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2009, 223, 1225-1247.	2.4	49
39	Important issues in tolerance design of mechanical assemblies. Part 2: Tolerance synthesis. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2009, 223, 1249-1287.	2.4	52
40	A STEP AP 203â€“214-based machinable volume identifier for identifying the finish-cut machinable volumes from rough-machined parts. International Journal of Advanced Manufacturing Technology, 2009, 42, 850-872.	3.0	12
41	Development of a feature recognition module for tapered and curved base features. International Journal of Advanced Manufacturing Technology, 2008, 39, 319-332.	3.0	11
42	Optimal tolerance design of mechanical assemblies for economical manufacturing in the presence of alternative machines â€" a genetic algorithm-based hybrid methodology. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2008, 222, 591-604.	2.4	9
43	Effect of CeO₂ addition on the microstructure, hardness, and abrasive wear behaviour of flame-sprayed Ni-based coatings. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2008, 222, 925-933.	1.8	22
44	Cell formation in the presence of reconfigurable machines. International Journal of Advanced Manufacturing Technology, 2007, 34, 335-345.	3.0	53
45	Multicriteria dynamic scheduling by swapping of dispatching rules. International Journal of Advanced Manufacturing Technology, 2007, 34, 988-1007.	3.0	16
46	Concurrent optimal adjustment of nominal dimensions and selection of tolerances considering alternative machines. CAD Computer Aided Design, 2006, 38, 1074-1087.	2.7	8
47	An integrated scheme for process planning and scheduling in FMS. International Journal of Advanced Manufacturing Technology, 2006, 30, 1111-1118.	3.0	66
48	Performance modelling of reconfigurable assembly line. International Journal of Simulation Modelling, 2006, 5, 16-24.	1.3	3
49	Advanced optimal tolerance design of mechanical assemblies with interrelated dimension chains and process precision limits. Computers in Industry, 2005, 56, 179-194.	9.9	64
50	Comparative study of genetic algorithm and simulated annealing for optimal tolerance design formulated with discrete and continuous variables. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2005, 219, 735-758.	2.4	25
51	A genetic algorithm based solution to optimum tolerance synthesis of mechanical assemblies with alternate manufacturing processesâ€"benchmarking with the exhaustive search method using the Lagrange multiplier. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2004, 218, 765-778.	2.4	37
52	A genetic algorithm-based solution to optimal tolerance synthesis of mechanical assemblies with alternative manufacturing processes: focus on complex tolerancing problems. International Journal of Production Research, 2004, 42, 5185-5215.	7.5	44
53	Manufacturing system development framework using a data models driven approach. International Journal of Production Research, 2003, 41, 1785-1809.	7.5	1
54	Simultaneous optimal selection of design and manufacturing tolerances with different stack-up conditions using genetic algorithms. International Journal of Production Research, 2003, 41, 2411-2429.	7.5	59

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55	Solving resource contention problem in FMS using Petri nets and a rule-based approach. International Journal of Production Research, 2001, 39, 785-808.	7.5	10
56	Automatic feature extraction in PRIZCAPP. International Journal of Computer Integrated Manufacturing, 1998, 11, 500-512.	4.6	10
57	Automatic cut planning in an operative process planning system. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 1998, 212, 129-140.	2.4	8