Surendra M Gupta

List of Publications by Year
in descending order

100 papers	6,139 citations	81743 39 h-index	74018 75 g-index
100 all docs	100 docs citations	100 times ranked	2585 citing authors

#	Article	IF	Citations
1	Pricing strategy and competition for new and remanufactured products across generations. Journal of Remanufacturing, 2022, 12, 47-88.	1.6	4
2	Managing Uncertainties in Design Alternatives of EOL Products with Fractional Disassembly Yields. International Journal of Quality Control and Standards in Science and Engineering, 2022, 9, 0-0.	0.0	0
3	Comparison of Sensor-Embedded Closed-Loop Supply Chain Systems with Regular Systems. , 2021, , 171-196.		0
4	Designing a Sustainable Green Closed-Loop Supply Chain under Uncertainty and Various Capacity Levels. Logistics, 2021, 5, 20.	2.4	15
5	A genetic simulated annealing algorithm for parallel partial disassembly line balancing problem. Applied Soft Computing Journal, 2021, 107, 107404.	4.1	74
6	An Intelligent Multiattribute Group Decision-Making Approach With Preference Elicitation for Performance Evaluation. IEEE Transactions on Engineering Management, 2020, 67, 885-901.	2.4	23
7	Evaluation of Waste Electronic Product Trade-in Strategies in Predictive Twin Disassembly Systems in the Era of Blockchain. Sustainability, 2020, 12, 5416.	1.6	38
8	Responsible & sustainable manufacturing. International Journal of Production Research, 2020, 58, 7181-7182.	4.9	4
9	Predictive analysis of electronic waste for reverse logistics operations: a comparison of improved univariate grey models. Soft Computing, 2020, 24, 15747-15762.	2.1	16
10	Value depreciation factors for new and remanufactured high-technology products: a case study on iPhones and iPads. International Journal of Production Research, 2020, 58, 7218-7249.	4.9	14
11	Trade-in-to-upgrade as a marketing strategy in disassembly-to-order systems at the edge of blockchain technology. International Journal of Production Research, 2020, 58, 7183-7200.	4.9	68
12	Estimation of electronic waste using optimized multivariate grey models. Waste Management, 2019, 95, 241-249.	3.7	93
13	A Robust Robotic Disassembly Sequence Design Using Orthogonal Arrays and Task Allocation. Robotics, 2019, 8, 20.	2.1	16
14	A Pricing and Acquisition Strategy for New and Remanufactured High-Technology Products. Logistics, 2019, 3, 8.	2.4	6
15	Marketing research and life cycle pricing strategies for new and remanufactured products. Journal of Remanufacturing, 2019, 9, 29-50.	1.6	17
16	Evaluation of design alternatives of End-Of-Life products using internet of things. International Journal of Production Economics, 2019, 208, 281-293.	5.1	73
17	Warranty and maintenance analysis of sensor embedded products using internet of things in industry 4.0. International Journal of Production Economics, 2019, 208, 483-499.	5.1	81
18	Disassembly line balancing problem: a review of the state of the art and future directions. International Journal of Production Research, 2019, 57, 4805-4827.	4.9	136

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19	Price Models for New and Remanufactured High-Technology Products across Generations. , 2019, , 263-290.		1
20	Design for a Closed-Loop Supply Chain System With Sensor-Embedded Refrigerators. Advances in Finance, Accounting, and Economics, 2019, , 1-24.	0.3	0
21	Applicability of Using the Internet of Things in Warranty Analysis for Product Recovery. , 2019, , 291-322.		0
22	Money-back guarantee warranty policy with preventive maintenance strategy for sensor-embedded remanufactured products. Journal of Industrial Engineering International, 2018, 14, 767-782.	1.8	12
23	A Decision Maker-Centered End-of-Life Product Recovery System for Robot Task Sequencing. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 91, 603-616.	2.0	15
24	Evaluation of Maintenance and EOL Operation Performance of Sensor-Embedded Laptops. Logistics, 2018, 2, 3.	2.4	10
25	Analysis of Product Designs for Product Recovery Using Linear Physical Programming. , 2018, , .		0
26	Analysis of cost effectiveness by material type for CO_2 saving and recycling rates in disassembly parts selection using goal programming. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2018, 12, JAMDSM0080-JAMDSM0080.	0.3	6
27	Maintenance and remanufacturing strategy: using sensors to predict the status of wind turbines. Journal of Remanufacturing, 2018, 8, 131-152.	1.6	13
28	Modeling and Analysis of a Closed-Loop Supply Chain in Consideration of Extra Demand. International Journal of Automation Technology, 2018, 12, 469-481.	0.5	2
29	Pricing Decision Models for Remanufactured Short-Life Cycle Technology Products with Generation Consideration. Procedia CIRP, 2017, 61, 195-200.	1.0	16
30	A holistic approach for performance evaluation using quantitative and qualitative data: A food industry case study. Expert Systems With Applications, 2017, 81, 410-422.	4.4	43
31	Evaluation of Design Alternatives of Sensor Embedded End-of-life Products in Multiple Periods. Procedia CIRP, 2017, 61, 98-103.	1.0	6
32	Evaluating two-dimensional warranty policies for remanufactured products. Journal of Remanufacturing, 2017, 7, 19-47.	1.6	8
33	Warranty as a marketing strategy for remanufactured products. Journal of Cleaner Production, 2017, 161, 1294-1307.	4.6	59
34	One-Dimensional Warranty Policies Analysis for Remanufactured Products in Reverse Supply Chain. Innovation and Supply Chain Management, 2017, 11, 23-32.	0.1	0
35	Optimizing two-dimensional renewable warranty policies for sensor embedded remanufactured products. Journal of Industrial Engineering and Management, 2017, 10, 145.	1.0	6
36	Environmentally Concerned Logistics Operations in Fuzzy Environment: A Literature Survey. Logistics, 2017, 1, 4.	2.4	25

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37	One-Dimensional Renewable Warranty Management within Sustainable Supply Chain. Resources, 2017, 6, 16.	1.6	8
38	Warranty and Preventive Maintenance Analysis for Sustainable Reverse Supply Chains. Journal of Management Science and Engineering, 2017, 2, 69-94.	1.9	9
39	One-Dimensional Warranty Policies Analysis for Remanufactured Products in Reverse Supply Chain . Innovation and Supply Chain Management, 2017, 11, 13-22.	0.1	0
40	A hybrid genetic algorithm for sequence-dependent disassembly line balancing problem. Annals of Operations Research, 2016, 242, 321-354.	2.6	134
41	Disassembly parts selection and analysis for recycling rate and cost by goal programming. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2016, 10, JAMDSM0052-JAMDSM0052.	0.3	10
42	Disassembly Sequencing Using Tabu Search. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 82, 69-79.	2.0	60
43	Disassembly system modeling and design with parts selection for cost, recycling and CO_2 saving rates using multi criteria optimization. Journal of Manufacturing Systems, 2016, 38, 151-164.	7.6	49
44	A two-phase variable neighbourhood search algorithm for assembly line worker assignment and balancing problem type-II: an industrial case study. International Journal of Production Research, 2016, 54, 722-741.	4.9	57
45	Unified assembly- and disassembly-line model formulae. Journal of Manufacturing Technology Management, 2015, 26, 195-212.	3.3	17
46	A variable neighbourhood search algorithm for disassembly lines. Journal of Manufacturing Technology Management, 2015, 26, 182-194.	3.3	48
47	Use of MCDM techniques in environmentally conscious manufacturing and product recovery: State of the art. Journal of Manufacturing Systems, 2015, 37, 746-758.	7.6	96
48	Multi-objective fuzzy disassembly line balancing using a hybrid discrete artificial bee colony algorithm. Journal of Manufacturing Systems, 2015, 37, 672-682.	7.6	102
49	Disassembling and Remanufacturing End-of-Life Sensor Embedded CellÂPhones. Innovation and Supply Chain Management, 2015, 9, 111-117.	0.1	4
50	Fuzzy Linear Physical Programming for Multiple Criteria Decision-Making Under Uncertainty. International Journal of Computers, Communications and Control, 2015, 11, 26.	1.2	4
51	Performance Analysis of Advanced Remanufacture-To-Order,Disassembly-To-Order and Refurbishment-To-Order System . Innovation and Supply Chain Management, 2014, 8, 140-149.	0.1	1
52	Quality management in product recovery using the Internet of Things: An optimization approach. Computers in Industry, 2014, 65, 491-504.	5.7	98
53	A tabu search algorithm for balancing a sequence-dependent disassembly line. Production Planning and Control, 2014, 25, 149-160.	5.8	90
54	A multi-criteria decision making model for advanced repair-to-order and disassembly-to-order system. European Journal of Operational Research, 2014, 233, 408-419.	3.5	69

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55	An approach to quantify the financial benefit of embedding sensors into products for end-of-life management: a case study. Production Planning and Control, 2014, 25, 26-43.	5.8	14
56	Selection of Supplier for End-of-Life Products based on the Optimum Profit, Quality Level, Material Sales Revenue and Disposal Weight . Innovation and Supply Chain Management, 2014, 8, 134-139.	0.1	4
57	A particle swarm optimization algorithm with neighborhood-based mutation for sequence-dependent disassembly line balancing problem. International Journal of Advanced Manufacturing Technology, 2013, 69, 197-209.	1.5	139
58	Ant colony optimization for sequenceâ€dependent disassembly line balancing problem. Journal of Manufacturing Technology Management, 2013, 24, 413-427.	3.3	96
59	Artificial bee colony algorithm for solving sequence-dependent disassembly line balancing problem. Expert Systems With Applications, 2013, 40, 7231-7241.	4.4	150
60	Simulated Annealing Algorithm for Solving Sequence-Dependent Disassembly Line Balancing Problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 93-98.	0.4	23
61	Quality Assurance in Remanufacturing with Sensor Embedded Products. , 2013, , 95-112.		4
62	Optimal Management of Reverse Supply Chains with Sensor-Embedded End-of-Life Products. Applications of Management Science, 2012, , 109-129.	0.3	7
63	A Robotic-Driven Disassembly Sequence Generator for End-Of-Life Electronic Products. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 68, 43-52.	2.0	86
64	Optimal End-of-Life Management in Closed-Loop Supply Chains Using RFID and Sensors. IEEE Transactions on Industrial Informatics, 2012, 8, 719-728.	7.2	46
65	An Evolutionary Algorithm for Selective Disassembly of End-of-Life Products. International Journal of Swarm Intelligence and Evolutionsary Computation, 2012, 1, 1-7.	0.4	24
66	Metrics and experimental data for assessing unbalanced disassembly lines. International Journal of Manufacturing Technology and Management, 2011, 23, 82.	0.1	4
67	Evaluating the impact of sensor-embedded products on the performance of an air conditioner disassembly line. International Journal of Advanced Manufacturing Technology, 2011, 53, 1199-1216.	1.5	32
68	Recovery of sensor embedded washing machines using a multi-kanban controlled disassembly line. Robotics and Computer-Integrated Manufacturing, 2011, 27, 318-334.	6.1	33
69	Coping with disassembly yield uncertainty in remanufacturing using sensor embedded products. Journal of Remanufacturing, 2011, 1, 1.	1.6	34
70	Performance improvement potential of sensor embedded products in environmental supply chains. Resources, Conservation and Recycling, 2011, 55, 580-592.	5.3	61
71	Environmentally conscious manufacturing and product recovery (ECMPRO): A review of the state of the art. Journal of Environmental Management, 2010, 91, 563-591.	3.8	754
72	Near optimal buffer allocation in remanufacturing systems with N-policy. Computers and Industrial Engineering, 2010, 59, 496-508.	3.4	34

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73	Comparison of economic benefits of sensor embedded products and conventional products in a multi-product disassembly line. Computers and Industrial Engineering, 2010, 59, 748-763.	3.4	56
74	Solving the disassembly-to-order problem using linear physical programming. International Journal of Mathematics in Operational Research, 2009, 1, 504.	0.1	35
75	A multiple objective tabu search approach for end-of-life product disassembly. International Journal of Advanced Operations Management, 2009, 1, 177.	0.3	15
76	Optimal pricing of reusable and recyclable components under alternative product acquisition mechanisms. International Journal of Production Research, 2007, 45, 4621-4652.	4.9	47
77	A balancing method and genetic algorithm for disassembly line balancing. European Journal of Operational Research, 2007, 179, 692-708.	3.5	268
78	Ant colony optimization for disassembly sequencing with multiple objectives. International Journal of Advanced Manufacturing Technology, 2006, 30, 481-496.	1.5	179
79	Disassembly sequencing using genetic algorithm. International Journal of Advanced Manufacturing Technology, 2006, 30, 497-506.	1.5	146
80	Disassembly to order system under uncertainty. Omega, 2006, 34, 550-561.	3.6	97
81	Buffer allocation plan for a remanufacturing cell. Computers and Industrial Engineering, 2005, 48, 657-677.	3.4	51
82	<title>Combinatorial optimization methods for disassembly line balancing</title>. , 2004, , .		16
83	<title>Modeling operational behavior of a disassembly line</title>. , 2004, , .		8
84	A MULTI-CRITERIA DECISION MAKING APPROACH FOR DISASSEMBLY-TO-ORDER SYSTEMS. Journal of Electronics Manufacturing, 2002, 11, 171-183.	0.4	92
85	Disassembly line in product recovery. International Journal of Production Research, 2002, 40, 2569-2589.	4.9	237
86	<title>Complications in disassembly line balancing</title>. , 2001, , .		13
87	Petri net approach to disassembly process planning for products with complex AND/OR precedence relationships. European Journal of Operational Research, 2001, 135, 428-449.	3.5	155
88	Response Surface Methodology Applied to Toll Plaza Design for the Transition to Electronic Toll Collection. International Transactions in Operational Research, 2001, 8, 707-726.	1.8	2
89	<title>Goal programming approach to the remanufacturing supply-chain model</title>. , 2001, , .		11
90	Issues in environmentally conscious manufacturing and product recovery: a survey. Computers and Industrial Engineering, 1999, 36, 811-853.	3.4	875

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91	N-Policy Queueing System with Finite Source and Warm Spares. Opsearch, 1999, 36, 189-217.	1.1	15
92	ENVIRONMENTAL CONCERNS AND RECYCLING/DISASSEMBLY EFFORTS IN THE ELECTRONICS INDUSTRY. Journal of Electronics Manufacturing, 1997, 07, 1-22.	0.4	118
93	Disassembly of complex product structures with parts and materials commonality. Production Planning and Control, 1997, 8, 255-269.	5.8	108
94	Disassembly of multiple product structures. Computers and Industrial Engineering, 1997, 32, 949-961.	3.4	124
95	Combined demand and lead time uncertainty with back-ordering in a multi-level product structure environment. Production Planning and Control, 1996, 7, 57-67.	5.8	5
96	Implementation of just-in-time methodology in a small company. Production Planning and Control, 1995, 6, 358-364.	5.8	19
97	Heuristic and optimal approaches to lot-sizing incorporating backorders: an empirical evaluation. International Journal of Production Research, 1992, 30, 2813-2824.	4.9	10
98	Disassembly Modeling for Assembly, Maintenance, Reuse and Recycling. , 0, , .		89
99	Remanufacturing Modeling and Analysis. , 0, , .		46
100	Lexicographic Goal Programming and Assessment Tools for a Combinatorial Production Problem. , 0, , 148-184.		1