Bimal P Nepal

List of Publications by Year
in descending order

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44 papers	1,215 citations	361413 20 h-index	377865 34 g-index
44 all docs	44 docs citations	44 times ranked	1180 citing authors

#	Article	IF	Citations
1	On the adoption of lean manufacturing principles in process industries. Production Planning and Control, 2015, 26, 564-587.	8.8	130
2	Matching product architecture with supply chain design. European Journal of Operational Research, 2012, 216, 312-325.	5.7	106
3	A fuzzy-AHP approach to prioritization of CS attributes in target planning for automotive product development. Expert Systems With Applications, 2010, 37, 6775-6786.	7.6	102
4	The impact of lean practices on operational performance â€“ an empirical investigation of Indian process industries. Production Planning and Control, 2018, 29, 158-169.	8.8	85
5	A Review of Competencyâ€Based Learning: Tools, Assessments, and Recommendations. Journal of Engineering Education, 2017, 106, 607-638.	3.0	70
6	On supply chain competitiveness of Indian automotive component manufacturing industry. International Journal of Production Economics, 2013, 143, 151-161.	8.9	61
7	The bullwhip effect in capacitated supply chains with consideration for product life-cycle aspects. International Journal of Production Economics, 2012, 136, 318-331.	8.9	54
8	Lean Implementation and Organizational Transformation: A Literature Review. EMJ - Engineering Management Journal, 2017, 29, 2-16.	2.3	54
9	Integrated fuzzy logic-based model for product modularization during concept development phase. International Journal of Production Economics, 2005, 96, 157-174.	8.9	50
10	Bayesian belief network-based framework for sourcing risk analysis during supplier selection. International Journal of Production Research, 2015, 53, 6114-6135.	7.5	50
11	An integrated fuzzy-goal-programming-based framework for selecting suppliers in strategic alliance formation. International Journal of Production Economics, 2008, 113, 862-875.	8.9	40
12	Insights and learnings from lean manufacturing implementation practices. International Journal of Services and Operations Management, 2010, 6, 398.	0.2	39
13	A framework for capturing and analyzing the failures due to system/component interactions. Quality and Reliability Engineering International, 2008, 24, 265-289.	2.3	35
14	Improving the NPD Process by Applying Lean Principles: A Case Study. EMJ - Engineering Management Journal, 2011, 23, 65-81.	2.3	33
15	Improving the NPD Process by Applying Lean Principles: A Case Study. EMJ - Engineering Management Journal, 2011, 23, 52-68.	2.3	33
16	Understanding the linkages between lean practices and performance improvements in Indian process industries. Industrial Management and Data Systems, 2017, 117, 346-364.	3.7	30
17	A multi-objective supply chain configuration model for new products. International Journal of Production Research, 2011, 49, 7107-7134.	7.5	29
18	Implementation of benchmarking concepts in Indian automobile industry â€“ an empirical study. Benchmarking, 2013, 20, 777-804.	4.6	23

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19	A methodology for integrating design for quality in modular product design. Journal of Engineering Design, 2006, 17, 387-409.	2.3	22
20	A framework to integrate design for reliability and maintainability in modular product design. International Journal of Product Development, 2007, 4, 459.	0.2	20
21	Examining the State of Risk Management Research in New Product Development Process. EMJ - Engineering Management Journal, 2018, 30, 85-97.	2.3	20
22	Improving manufacturing process for biomedical products: a case study. Journal of Manufacturing Technology Management, 2011, 22, 527-540.	6.4	18
23	A data-driven framework to new product demand prediction: Integrating product differentiation and transfer learning approach. Expert Systems With Applications, 2018, 108, 246-257.	7.6	17
24	A Robust Framework for Multiâ€Response Surface Optimization Methodology. Quality and Reliability Engineering International, 2014, 30, 301-311.	2.3	16
25	Managing product development process complexity and challenges: a state-of-the art review. Journal of Design Research, 2007, 6, 487.	0.1	12
26	A set-covering model for optimizing selection of portfolio of microcontrollers in an automotive supplier company. European Journal of Operational Research, 2009, 193, 272-281.	5.7	10
27	Taxonomy of New Product Development Process Risks: An Empirical Study of Indian Automotive Industry. IEEE Transactions on Engineering Management, 2022, 69, 1987-1998.	3.5	8
28	Examining the design, manufacturing and analytics of smart wearables. Medical Devices & Sensors, 2020, 3, e10087.	2.7	8
29	Reliability estimation considering multi-stress monotonic degradation test data with non-constant scale parameter. Quality Engineering, 2020, 32, 478-491.	1.1	8
30	A holistic approach to market assessment for a manufacturing company in an emerging economy. Industrial Marketing Management, 2012, 41, 1142-1151.	6.7	6
31	Multistate Belief Probabilities-Based Prioritization Framework for Customer Satisfaction Attributes in Product Development. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 728-743.	9.3	5
32	The effect of scheduling policies on operating room overtime performance. International Journal of Services and Operations Management, 2010, 7, 231.	0.2	4
33	Quality Improvement of Medical Wire Manufacturing Process. Quality Engineering, 2013, 25, 151-163.	1.1	4
34	Determinants of competitiveness and their relative importance: a study of Indian auto-component industry. International Journal of Services and Operations Management, 2011, 10, 426.	0.2	3
35	Lean and Global Product Development in Auto Industry. Advances in IT Personnel and Project Management, 2009, , 460-478.	0.3	3
36	A Quality-Based Business Model for Determining Non-product Investment: A Case Study From a Ford Automotive Engine Plant. EMJ - Engineering Management Journal, 2007, 19, 41-56.	2.3	2

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37	Reducing paint waste in a colour sample manufacturing industry. International Journal of Business Excellence, 2010, 3, 186.	0.3	2
38	Modeling cognitive network of a physical system using design knowledge base. , 2014, , .		2
39	Integrated framework for component variety management: a case study. International Journal of Services and Operations Management, 2011, 10, 74.	0.2	1
40	Making Location Decision Based on Regional Industrial Capabilities: A Case of a Distributor. International Trade Journal, 2012, 26, 154-180.	0.9	0
41	Optimisation of process audit plan for minimising vehicle launch risk using MILP. International Journal of Procurement Management, 2013, 6, 379.	0.2	0
42	Enabling comprehensive failure analysis of complex physical system using cognitive map-based approach. International Journal of Quality Engineering and Technology, 2015, 5, 114.	0.0	0
43	Supply chain services contract pricing framework - a case study of electrical distributor. International Journal of Services and Operations Management, 2015, 22, 469.	0.2	0
44	On value activities and competitive advantage: an empirical study. International Journal of Business Excellence, 2017, 11, 320.	0.3	0