Robert Pellerin

List of Publications by Year
in descending order

51 papers	2,536 citations	411340 20 h-index	232693 48 g-index
51 all docs	51 docs citations	51 times ranked	2089 citing authors

#	ARTICLE	IF	CITATIONS
1	Valuing free-form text data from maintenance logs through transfer learning with CamemBERT. Enterprise Information Systems, 2022, 16, .	3.3	16
2	Data analytics in pharmaceutical supply chains: state of the art, opportunities, and challenges. International Journal of Production Research, 2022, 60, 6888-6907.	4.9	31
3	Collaborative approach to digital transformation (CADT) model for manufacturing SMEs. Journal of Manufacturing Technology Management, 2022, 33, 61-83.	3.3	8
4	Enhancing the Decision-Making Process through Industry 4.0 Technologies. Sustainability, 2022, 14, 461.	1.6	14
5	A model for advanced planning systems dedicated to the Engineer-To-Order context. International Journal of Production Economics, 2022, 252, 108557.	5.1	6
6	A Novel Analysis Framework of 4.0 Production Planning Approaches â€" Part I. Studies in Computational Intelligence, 2021, , 111-132.	0.7	1
7	Understanding Data-Related Concepts in Smart Manufacturing and Supply Chain Through Text Mining. Studies in Computational Intelligence, 2021, , 508-519.	0.7	2
8	Industry 4.0 and BIM: Do They Share the Same Objectives?. Lecture Notes in Mechanical Engineering, 2021, , 412-418.	0.3	1
9	Industry 4.0 and Decision Making. Lecture Notes in Mechanical Engineering, 2021, , 400-405.	0.3	0
10	A Novel Analysis Framework of 4.0 Production Planning Approaches â€" Part II. Studies in Computational Intelligence, 2021, , 133-150.	0.7	2
11	A survey of hybrid metaheuristics for the resource-constrained project scheduling problem. European Journal of Operational Research, 2020, 280, 395-416.	3.5	173
12	Impacts of Industry 4.0 technologies on Lean principles. International Journal of Production Research, 2020, 58, 1644-1661.	4.9	246
13	Identification of critical success factors, risks and opportunities of Industry 4.0 in SMEs. International Journal of Production Research, 2020, 58, 1384-1400.	4.9	262
14	Machine learning applied in production planning and control: a state-of-the-art in the era of industry 4.0. Journal of Intelligent Manufacturing, 2020, 31, 1531-1558.	4.4	174
15	A business process and portfolio management approach for Industry 4.0 transformation. Business Process Management Journal, 2020, 27, 505-528.	2.4	25
16	Construction 4.0: a survey of research trends. Journal of Information Technology in Construction, 2020, 25, 416-437.	1.4	41
17	Estimation of Production Inhibition Time Using Data Mining to Improve Production Planning and Control. , 2019, , .		4
18	A review of methods, techniques and tools for project planning and control. International Journal of Production Research, 2019, 57, 2160-2178.	4.9	52

#	ARTICLE	IF	CITATIONS
19	Optimal planning of buffer sizes and inspection station positions. Production and Manufacturing Research, 2018, 6, 90-112.	0.9	7
20	A path relinking-based scatter search for the resource-constrained project scheduling problem. International Journal of Project Organisation and Management, 2018, 10, 1.	0.0	8
21	Joint production, quality and maintenance control of a two-machine line subject to operation-dependent and quality-dependent failures. International Journal of Production Economics, 2018, 195, 210-226.	5.1	76
22	The industrial management of SMEs in the era of Industry 4.0. International Journal of Production Research, 2018, 56, 1118-1136.	4.9	702
23	Multilevel hybrid method for optimal buffer sizing and inspection stations positioning. SpringerPlus, 2016, 5, 2045.	1.2	4
24	A rough-cut capacity planning model with overlapping. OR Spectrum, 2016, 38, 335-364.	2.1	10
25	Toward valuable prediction of ERP diffusion in North American automotive industry: A simulation based approach. International Journal of Production Economics, 2016, 175, 61-70.	5.1	5
26	Development of a leagile transformation methodology for product development. Business Process Management Journal, 2015, 21, 791-819.	2.4	9
27	A Time Driven RCCP Model with Two Levels of Planning and a Reactive Planning Approach for Tactical Project Planning. Procedia Computer Science, 2015, 64, 257-264.	1.2	3
28	Joint production and quality control of unreliable batch manufacturing systems with rectifying inspection. International Journal of Production Research, 2014, 52, 4103-4117.	4.9	22
29	A Hybrid Method for Solving Buffer Sizing and Inspection Stations Allocation. Lecture Notes in Computer Science, 2014, , 156-166.	1.0	2
30	Time-cost trade-offs in resource-constraint project scheduling problems with overlapping modes. International Journal of Project Organisation and Management, 2014, 6, 215.	0.0	17
31	CIGI2011: A heuristic method for resource-constrained project scheduling with activity overlapping. Journal of Intelligent Manufacturing, 2014, 25, 797-811.	4.4	14
32	A stochastic hybrid state model for optimizing hedging policies in manufacturing systems with randomly occurring defects. Discrete Event Dynamic Systems: Theory and Applications, 2014, 24, 69-98.	0.6	4
33	Building Information Modeling Implementation through Maturity Evaluation and Critical Success Factors Management. Procedia Technology, 2014, 16, 1126-1134.	1.1	36
34	A survey of models and algorithms for emergency response logistics in electric distribution systems. Part I: Reliability planning with fault considerations. Computers and Operations Research, 2013, 40, 1895-1906.	2.4	37
35	A survey of models and algorithms for emergency response logistics in electric distribution systems. Part II: Contingency planning level. Computers and Operations Research, 2013, 40, 1907-1922.	2.4	34
36	Joint optimal lot sizing and production control policy in an unreliable and imperfect manufacturing system. International Journal of Production Economics, 2013, 144, 143-156.	5.1	58

#	Article	IF	Citations
37	Joint assignment of buffer sizes and inspection points in unreliable transfer lines with scrapping of defective parts. Production and Manufacturing Research, 2013, 1, 79-101.	0.9	14
38	A Mixed Performance and Adoption Alignment Framework for Guiding Leanness and Agility Improvement Initiatives in Product Development. Journal of Enterprise Transformation, 2013, 3, 161-186.	1.0	17
39	A new analysis framework for agility in the fashion industry. International Journal of Agile Systems and Management, 2012, 5, 175.	0.6	9
40	Measuring and improving the process of engineering change orders in a model-based definition context. International Journal of Product Lifecycle Management, 2012, 6, 138.	0.1	8
41	Simultaneous control of maintenance and production rates of a manufacturing system with defective products. Journal of Intelligent Manufacturing, 2012, 23, 323-332.	4.4	22
42	Re-engineering the Engineering Change Management process for a drawing-less environment. Computers in Industry, 2012, 63, 79-90.	5.7	40
43	Dynamic pricing models for ERP systems under network externality. International Journal of Production Economics, 2012, 135, 708-715.	5.1	17
44	An improved genetic algorithm approach for on-line optimisation problems. Production Planning and Control, 2011, 22, 742-753.	5.8	4
45	Will Model-based Definition replace engineering drawings throughout the product lifecycle? A global perspective from aerospace industry. Computers in Industry, 2010, 61, 497-508.	5.7	147
46	Production control of hybrid repair and remanufacturing systems under general conditions. Journal of Quality in Maintenance Engineering, 2009, 15, 383-396.	1.0	4
47	A production rate control policy for stochastic repair and remanufacturing systems. International Journal of Production Economics, 2009, 121, 39-48.	5.1	23
48	Development and integration of a reactive real-time decision support system in the aluminum industry. Engineering Applications of Artificial Intelligence, 2009, 22, 897-905.	4.3	11
49	ERP implementation through critical success factors' management. Business Process Management Journal, 2009, 15, 371-394.	2.4	105
50	Optimisation of the control policy for a stochastic remanufacturing system with an unreliable replacement parts supply. International Journal of Simulation and Process Modelling, 2009, 5, 205.	0.1	3
51	The impact of board interlocks on the diffusion of enterprise resource planning systems. International Journal of Networking and Virtual Organisations, 2007, 4, 402.	0.2	6