

# Moacir Godinho Filho

## List of Publications by Year in descending order

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119  
papers

4,647  
citations

186265  
28  
h-index

110387  
64  
g-index

121  
all docs

121  
docs citations

121  
times ranked

3466  
citing authors

#	ARTICLE	IF	CITATIONS
1	Industry 4.0 and the circular economy: a proposed research agenda and original roadmap for sustainable operations. <i>Annals of Operations Research</i> , 2018, 270, 273-286.	4.1	624
2	When titans meet “ Can industry 4.0 revolutionise the environmentally-sustainable manufacturing wave? The role of critical success factors. <i>Technological Forecasting and Social Change</i> , 2018, 132, 18-25.	11.6	621
3	Variations of the kanban system: Literature review and classification. <i>International Journal of Production Economics</i> , 2010, 125, 13-21.	8.9	304
4	Unlocking the circular economy through new business models based on large-scale data: An integrative framework and research agenda. <i>Technological Forecasting and Social Change</i> , 2019, 144, 546-552.	11.6	282
5	Green supply chain management: An investigation of pressures, practices, and performance within the Brazilian automotive supply chain. <i>Journal of Cleaner Production</i> , 2017, 151, 250-259.	9.3	277
6	Who is in charge? A review and a research agenda on the “human side” of the circular economy. <i>Journal of Cleaner Production</i> , 2019, 222, 793-801.	9.3	252
7	Lean healthcare: review, classification and analysis of literature. <i>Production Planning and Control</i> , 2016, 27, 823-836.	8.8	169
8	Smart production planning and control in the Industry 4.0 context: A systematic literature review. <i>Computers and Industrial Engineering</i> , 2020, 149, 106774.	6.3	136
9	Lean manufacturing in Brazilian small and medium enterprises: implementation and effect on performance. <i>International Journal of Production Research</i> , 2016, 54, 7523-7545.	7.5	128
10	Production planning and control for remanufacturing: literature review and analysis. <i>Production Planning and Control</i> , 2012, 23, 419-435.	8.8	125
11	A systematic literature review of empirical research in Lean and Six Sigma in healthcare. <i>Total Quality Management and Business Excellence</i> , 2020, 31, 429-449.	3.8	88
12	Literature review regarding Ant Colony Optimization applied to scheduling problems: Guidelines for implementation and directions for future research. <i>Engineering Applications of Artificial Intelligence</i> , 2013, 26, 150-161.	8.1	85
13	A new value stream mapping approach for healthcare environments. <i>Production Planning and Control</i> , 2016, 27, 24-48.	8.8	84
14	The moderating effect of Lean supply chain management on the impact of Lean shop floor practices on quality and inventory. <i>Supply Chain Management</i> , 2017, 22, 473-485.	6.4	71
15	Lean, six sigma and lean six sigma in the food industry: A systematic literature review. <i>Trends in Food Science and Technology</i> , 2018, 82, 122-133.	15.1	69
16	Lean healthcare in developing countries: evidence from Brazilian hospitals. <i>International Journal of Health Planning and Management</i> , 2017, 32, e99-e120.	1.7	62
17	Lean practices and their effect on performance: a literature review. <i>Production Planning and Control</i> , 0, , 1-24.	8.8	61
18	From time-based competition (TBC) to quick response manufacturing (QRM): the evolution of research aimed at lead time reduction. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 64, 1177-1191.	3.0	48

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19	An ant colony optimization approach to a permutational flowshop scheduling problem with outsourcing allowed. <i>Computers and Operations Research</i> , 2011, 38, 1286-1293.	4.0	46
20	Concerning Workload Control and Order Release: The Pre-Shop Pool Sequencing Decision. <i>Production and Operations Management</i> , 2015, 24, 1179-1192.	3.8	45
21	Using Genetic Algorithms to solve scheduling problems on flexible manufacturing systems (FMS): a literature survey, classification and analysis. <i>Flexible Services and Manufacturing Journal</i> , 2014, 26, 408-431.	3.4	43
22	Lean manufacturing and business performance: testing the S-curve theory. <i>Production Planning and Control</i> , 2020, 31, 771-785.	8.8	41
23	Consolidated and inconclusive effects of additive manufacturing adoption: A systematic literature review. <i>Computers and Industrial Engineering</i> , 2020, 148, 106713.	6.3	39
24	Single-minute exchange of die (SMED): a state-of-the-art literature review. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 102, 4289-4307.	3.0	37
25	Cleaner Production practices, motivators and performance in the Brazilian industrial companies. <i>Journal of Cleaner Production</i> , 2019, 231, 359-369.	9.3	36
26	Manufatura Enxuta: uma revis�o que classifica e analisa os trabalhos apontando perspectivas de pesquisas futuras. <i>Gest�o &amp; Produ�o</i> , 2004, 11, 1-19.	0.5	34
27	Competitive priorities of small manufacturers in Brazil. <i>Industrial Management and Data Systems</i> , 2013, 113, 856-874.	3.7	34
28	Production planning and control for remanufacturing: exploring characteristics and difficulties with case studies. <i>Production Planning and Control</i> , 2016, 27, 212-225.	8.8	33
29	Fostering low-carbon production and logistics systems: framework and empirical evidence. <i>International Journal of Production Research</i> , 2021, 59, 7106-7125.	7.5	31
30	The effect of shop floor continuous improvement programs on the lot size-cycle time relationship in a multi-product single-machine environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 52, 669-681.	3.0	30
31	An ant colony optimization approach for the parallel machine scheduling problem with outsourcing allowed. <i>Journal of Intelligent Manufacturing</i> , 2015, 26, 527-538.	7.3	29
32	The effect of Lean Six Sigma practices on food industry performance: Implications of the Sector's experience and typical characteristics. <i>Food Control</i> , 2020, 112, 107110.	5.5	29
33	A framework to assess sustaining continuous improvement in lean healthcare. <i>International Journal of Production Research</i> , 2021, 59, 2885-2904.	7.5	29
34	Lean six sigma in the food industry: Construct development and measurement validation. <i>International Journal of Production Economics</i> , 2021, 231, 107843.	8.9	29
35	Method to assess the adherence of internal logistics equipment to the concept of CPS for industry 4.0. <i>International Journal of Production Economics</i> , 2020, 228, 107845.	8.9	26
36	Continuous workload control order release revisited: an assessment by simulation. <i>International Journal of Production Research</i> , 2014, 52, 6664-6680.	7.5	25

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37	The impact of simultaneous continuous improvement in setup time and repair time on manufacturing cycle times under uncertain conditions. <i>International Journal of Production Research</i> , 2013, 51, 447-464.	7.5	24
38	Systematic review and discussion of production control systems that emerged between 1999 and 2018. <i>Production Planning and Control</i> , 2021, 32, 511-525.	8.8	23
39	A framework for choosing among different lean-based improvement programs. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 81, 183-197.	3.0	20
40	Master disassembly scheduling in a remanufacturing system with stochastic routings. <i>Central European Journal of Operations Research</i> , 2017, 25, 123-138.	1.8	19
41	Workload control and order release in two-level multi-stage job shops: an assessment by simulation. <i>International Journal of Production Research</i> , 2013, 51, 869-882.	7.5	18
42	Assessing the impact of alternative continuous improvement programmes in a flow shop using system dynamics. <i>International Journal of Production Research</i> , 2014, 52, 3014-3031.	7.5	18
43	Improving Hospital Performance by Use of Lean Techniques: An Action Research Project in Brazil. <i>Quality Engineering</i> , 2015, 27, 196-211.	1.1	18
44	Bundles of Lean Automation practices and principles and their impact on operational performance. <i>International Journal of Production Economics</i> , 2021, 235, 108106.	8.9	17
45	The effects of the COVID-19 crisis on startups' performance: the role of resilience. <i>Management Decision</i> , 2022, 60, 3388-3415.	3.9	16
46	Complementing lean with quick response manufacturing: case studies. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 90, 1897-1910.	3.0	15
47	Pesquisa em gestão da produção na indústria de calçados: revisão, classificação e análise. <i>Gestão &amp; Produção</i> , 2009, 16, 163-186.	0.5	14
48	The application of Quick Response Manufacturing practices in Brazil, Europe, and the USA: An exploratory study. <i>International Journal of Production Economics</i> , 2017, 193, 437-448.	8.9	14
49	The performance of Due Date setting rules in assembly and multi-stage job shops: an assessment by simulation. <i>International Journal of Production Research</i> , 2012, 50, 5949-5965.	7.5	12
50	The extent of knowledge of Quick Response Manufacturing principles: an exploratory transnational study. <i>International Journal of Production Research</i> , 2017, 55, 4891-4911.	7.5	12
51	A proposal for integrating production control and quality control. <i>Industrial Management and Data Systems</i> , 2009, 109, 683-707.	3.7	11
52	The relationships between digitalization and ecosystem-related capabilities for service innovation in agricultural machinery manufacturers. <i>Journal of Cleaner Production</i> , 2022, 343, 130982.	9.3	11
53	Small manufacturers in Brazil: competitive priorities vs. capabilities. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 74, 1175-1185.	3.0	10
54	POLCA system for supply chain management: simulation in the automotive industry. <i>Journal of Intelligent Manufacturing</i> , 2019, 30, 1271-1289.	7.3	10

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55	Comparing the effect of different strategies of continuous improvement programmes on repair time to reduce lead time. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 315-327.	3.0	9
56	Assessment of the environmental impact and economic benefits of the adoption of cleaner production in a Brazilian metal finishing industry. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 1814-1828.	2.2	9
57	The driving and dependence power between Lean leadership competencies: an integrated ISM/fuzzy MICMAC approach. <i>Production Planning and Control</i> , 2023, 34, 1037-1061.	8.8	9
58	Identificação dos principais autores em planejamento e controle da produção por meio de um survey mundial com pesquisadores da Ájrea. <i>Gestão &amp; Produção</i> , 2007, 14, 83-95.	0.5	8
59	Efeito da redução do tamanho de lote e de programas de Melhoria Contínua no Estoque em Processo (WIP) e na Utilização: estudo utilizando uma abordagem híbrida System Dynamics - Factory Physics. <i>Production</i> , 2009, 19, 214-229.	1.3	8
60	Coping with finite storage space in job shops through order release control: an assessment by simulation. <i>International Journal of Computer Integrated Manufacturing</i> , 2013, 26, 830-838.	4.6	8
61	The design of simple subcontracting rules for make-to-order shops: An assessment by simulation. <i>European Journal of Operational Research</i> , 2014, 239, 854-864.	5.7	8
62	Comparing different strategies for the allocation of improvement programmes in a flow shop environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 77, 1365-1385.	3.0	8
63	Sustainability implications for operations management: building the bridge through exemplar case studies. <i>Production Planning and Control</i> , 2020, 31, 841-844.	8.8	8
64	Factors for choosing production control systems in make-to-order shops: a systematic literature review. <i>Journal of Intelligent Manufacturing</i> , 2022, 33, 639-674.	7.3	8
65	Paradigmas Estratégicos de Gestão da Manufatura (PEGEMs): elementos-chave e modelo conceitual. <i>Gestão &amp; Produção</i> , 2005, 12, 333-345.	0.5	7
66	Effect of lot-size reduction and continuous improvement programmes on work in process and utilisation: a study for single-machine and flow-shop environments. <i>International Journal of Logistics Research and Applications</i> , 2012, 15, 285-302.	8.8	7
67	THE STATE OF RESEARCH ON CLEANER PRODUCTION IN BRAZIL. <i>RAE Revista De Administracao De Empresas</i> , 2016, 56, 547-577.	0.3	7
68	Performance evaluation of occupational health and safety in relation to the COVID-19 fighting practices established by WHO: Survey in multinational industries. <i>Safety Science</i> , 2021, 141, 105331.	4.9	7
69	The Relationship between Circular Economy, Industry 4.0 and Supply Chain Performance: A Combined ISM/Fuzzy MICMAC Approach. <i>Sustainability</i> , 2022, 14, 2772.	3.2	7
70	Lean production, information and communication technologies and operational performance. <i>Total Quality Management and Business Excellence</i> , 2023, 34, 183-200.	3.8	7
71	Adaptações ao sistema kanban: revisão, classificação, análise e avaliação. <i>Gestão &amp; Produção</i> , 2008, 15, 173-188.	0.5	6
72	Estudo do efeito de programas de melhoria contínua em variáveis do chão de fábrica na relação entre tamanho de lote de produção e lead time: lead time relationship. <i>Gestão &amp; Produção</i> , 2010, 17, 137-148.	0.5	6

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73	Utiliza��o da abordagem Quick Response Manufacturing em uma empresa de materiais de escrita: proposta e an�lise de benef�cios esperados. Gest�o & Produ�o, 2011, 18, 525-540.	0.5	6
74	Scheduling in flow shop with sequence-dependent setup times: literature review and analysis. International Journal of Business Innovation and Research, 2013, 7, 466.	0.2	6
75	Manufacturing strategy in small firms: unveiling the drivers of strategic consensus. Production Planning and Control, 2022, 33, 37-55.	8.8	6
76	Unlocking the Relationship Between Lean Leadership Competencies and Industry 4.0 Leadership Competencies: An ISM/Fuzzy MICMAC Approach. IEEE Transactions on Engineering Management, 2023, 70, 2268-2292.	3.5	6
77	Environmental and operational performance is not always achieved when combined with cleaner production and lean production: an overview for emerging economies. Journal of Environmental Planning and Management, 2022, 65, 1530-1559.	4.5	6
78	Sistema POLCA: revis�o, classifica�o e an�lise da literatura. Gest�o & Produ�o, 2014, 21, 532-542.	0.5	6
79	Sistemas de coordena�o de ordens: revis�o, classifica�o, funcionamento e aplicabilidade. Gest�o & Produ�o, 2007, 14, 337-352.	0.5	5
80	Proposta de um m�todo para atingir a manufatura responsiva na ind�stria de cal�ados: implanta�o e avalia�o por meio de uma pesquisa-a�o. Gest�o & Produ�o, 2012, 19, 509-529.	0.5	5
81	Guiding improvement programs towards lead time reduction in a single-machine environment. International Journal of Advanced Manufacturing Technology, 2013, 66, 1987-1998.	3.0	5
82	Princ�pios e ferramentas da produ�o mais limpa: um estudo explorat�rio em empresas brasileiras. Gest�o & Produ�o, 2015, 22, 326-344.	0.5	5
83	Um sistema para classificar e codificar os trabalhos que relacionam o controle da produ�o e o controle da qualidade. Gest�o & Produ�o, 2003, 10, 89-107.	0.5	4
84	A software model to prototype ant colony optimization algorithms. Expert Systems With Applications, 2011, 38, 249-259.	7.6	4
85	Proposta de aplica�o da abordagem Quick Response Manufacturing (QRM) para a redu�o do lead time em opera�es de escrit�rio. Production, 2013, 23, 1-19.	1.3	4
86	Lean manufacturing implementation in regions with scarce resources. Management Decision, 2019, 58, 313-343.	3.9	4
87	Dispatching method based on particle swarm optimization for make-to-availability. Journal of Intelligent Manufacturing, 2022, 33, 1021-1030.	7.3	4
88	An alternative for improving setup times and time between failures aiming at manufacturing lead time reduction. Production Engineering, 2021, 15, 651-665.	2.3	4
89	Luxury supply chain management: a framework proposal based on a systematic literature review. International Journal of Physical Distribution and Logistics Management, 2021, 51, 859-876.	7.4	4
90	Moderating effect of OHS actions based on WHO recommendations to mitigate the effects of COVID-19 in multinational companies. Chemical Engineering Research and Design, 2022, 159, 652-661.	5.6	4

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91	Problema do carteiro chinês: escolha de métodos de solução e análise de tempos computacionais. Production, 2006, 16, 538-551.	1.3	3
92	Proposta de utilização do sistema Period Batch Control para redução de lead time em uma empresa de bens de capital. Production, 2010, 20, 612-625.	1.3	3
93	Redução do lead time e entregas no prazo em pequenas e médias empresas que fabricam sob encomenda: a abordagem Worload Control (WLC) para o Planejamento e Controle da Produção (PCP). Gestão & Produção, 2012, 19, 43-58.	0.5	3
94	O uso da programação inteira 0-1 para o balanceamento de linhas de montagem: modelagem, estudos de caso e avaliação. Production, 2008, 18, 210-221.	1.3	3
95	Exploring the Stakeholders Salience for the adoption the Principles and Tools of Cleaner Production in Brazil Companies. Revista Brasileira De Gestao De Negocios, 2015, , 932-958.	0.5	3
96	Identifying production planning and control top authors: analysis of a survey. International Journal of Business Innovation and Research, 2009, 3, 461.	0.2	2
97	Chinese Postman Problem (CPP): solution methods and computational time. International Journal of Logistics Systems and Management, 2010, 7, 324.	0.2	2
98	A literatura a respeito da comparação entre a teoria das restrições e a manufatura enxuta: revisão, classificação e análise. Gestão & Produção, 2013, 20, 615-638.	0.5	2
99	Governança corporativa voltada à Produção Mais Limpa: influência dos stakeholders. Gestão & Produção, 2015, 22, 181-200.	0.5	2
100	A Decision Support Framework for Production Flow Coordination Using Supply Chain Management Practices, Ordering Systems and Modeling Techniques. Lecture Notes in Management and Industrial Engineering, 2017, , 71-77.	0.4	2
101	Analysis and proposal of reduction of lead time in the process of cutting, loading and transportation in a sugar cane factory: a study case. Gestão & Produção, 2019, 26, .	0.5	2
102	UMA METODOLOGIA BASEADA EM INDICADORES DE DESEMPENHO PARA AVALIAÇÃO DA IMPLANTAÇÃO DA MANUFATURA ENXUTA: PROPOSTA E ESTUDO DE CASO. Revista Gestão Industrial, 2008, 4, .	0.0	2
103	A evolução da gestão de compras em uma empresa do segmento de material escolar: estudo de caso longitudinal. Production, 2011, 21, 76-93.	1.3	2
104	Smart Production Planning and Control Model. Smart Innovation, Systems and Technologies, 2022, , 253-267.	0.6	2
105	&lt;b&gt;Small and Medium Sized Manufacturing Companies in Brazil: Is Innovativeness a Key Competitive Capability to Develop?. Acta Scientiarum - Technology, 2015, 37, 379.	0.4	1
106	Proposta de redução de lead time na linha de produtos termoplásticos de uma pequena empresa familiar do interior paulista. Revista Produção Online, 2016, 16, 278.	0.2	1
107	Análise do lead time nos processos logísticos de uma rede varejista de flores. Revista Produção Online, 2016, 16, 1237.	0.2	1
108	Adoption of a telemetry system by a logistics service provider for road transport of express cargo: a case study in Brazil. International Journal of Logistics Research and Applications, 2019, 22, 592-613.	8.8	1

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109	OtimizaçŁo por colŁnia de formigas para o problema de sequenciamento de tarefas em uma Ānica mŁquina com terceirizaçŁo permitida. GestŁo & ProduçŁo, 2013, 20, 76-86.	0.5	1
110	A integraçŁo MRPII - CPM: estudo de caso e proposta de um sistema hŁbrido. Production, 2004, 14, 31-43.	1.3	0
111	ReduçŁo da instabilidade e melhoria de desempenho do sistema MRP. Production, 2006, 16, 64-79.	1.3	0
112	IDENTIFICAçŁO DO GRAU DE TURBULŁNCIA DO MERCADO CALŁADISTA: ANŁLISE POR MEIO DE UM SURVEY NOS PŁLOS DE FRANCA, BIRIGUI E JAŁ. Revista GestŁo Industrial, 2007, 3, .	0.0	0
113	Proposta de um framework para prototipagem de sistemas heurŁsticos multiagentes baseados em algoritmos de colŁnia de formigas. Pesquisa Operacional, 2009, 29, 643-668.	0.4	0
114	IdentificaçŁo de foco estratŁgico e de consistŁncia entre fins e meios em empresas calŁadistas do Estado de SŁo Paulo. GestŁo & ProduçŁo, 2011, 18, 391-408.	0.5	0
115	Paradigmas estratŁgicos de gestŁo da manufatura nos arranjos produtivos locais calŁadistas de Franca, Birigui e JaŁ. , 2014, 15, .		0
116	A TOC na prŁtica: explorando a restriçŁo em uma fŁbrica. Exacta, 2016, 14, 537-548.	0.5	0
117	Lean e QRM: diferentes ou semelhantes? RevisŁo da literatura. Exacta, 2017, 15, 137-154.	0.5	0
118	Application of QRM approach in a chemical company. GEPROS: GestŁo Da ProduçŁo, OperaçŁes E Sistemas, 2017, 12, 283-304.	0.1	0
119	Application of a diagnostic framework based on the concepts of Workload Control to identify the problems related to the delivery reliability in a company of the aeronautical maintenance sector. GestŁo & ProduçŁo, 2019, 26, .	0.5	0