Angel Ortiz

List of Publications by Year
in descending order

96 papers	1,380 citations	361413 20 h-index	395702 33 g-index
106 all docs	106 docs citations	106 times ranked	1021 citing authors

#	Article	IF	Citations
1	A systematic literature review of cloud computing use in supply chain integration. Computers and Industrial Engineering, 2019, 129, 296-314.	6.3	106
2	Quantitative relationships between key performance indicators for supporting decision-making processes. Computers in Industry, 2009, 60, 104-113.	9.9	95
3	A multi-criteria approach for managing inter-enterprise collaborative relationships. Omega, 2012, 40, 249-263.	5.9	74
4	Performance measurement system for enterprise networks. International Journal of Productivity and Performance Management, 2007, 56, 305-334.	3.7	64
5	Enterprise Integrationâ€"Business Processes Integrated Management: a proposal for a methodology to develop Enterprise Integration Programs. Computers in Industry, 1999, 40, 155-171.	9.9	60
6	Conceptual framework for designing agri-food supply chains under uncertainty by mathematical programming models. International Journal of Production Research, 2018, 56, 4418-4446.	7.5	60
7	Trustworthy Industrial IoT Gateways for Interoperability Platforms and Ecosystems. IEEE Internet of Things Journal, 2018, 5, 4506-4514.	8.7	52
8	Reference Models for Digital Manufacturing Platforms. Applied Sciences (Switzerland), 2019, 9, 4433.	2.5	51
9	Mathematical modelling of the order-promising process for fruit supply chains considering the perishability and subtypes of products. Applied Mathematical Modelling, 2017, 49, 255-278.	4.2	39
10	Business process interoperability and collaborative performance measurement. International Journal of Computer Integrated Manufacturing, 2009, 22, 877-889.	4.6	37
11	Modeling extended manufacturing processes with service-oriented entities. Service Business, 2009, 3, 31-50.	4.2	35
12	Impact of product perishability on agri-food supply chains design. Applied Mathematical Modelling, 2021, 96, 20-38.	4.2	35
13	Enterprise modelling methodology for forward and reverse supply chain flows integration. Computers in Industry, 2010, 61, 702-710.	9.9	34
14	Available-To-Promise modeling for multi-plant manufacturing characterized by lack of homogeneity in the product: An illustration of a ceramic case. Applied Mathematical Modelling, 2013, 37, 3380-3398.	4.2	32
15	An enterprise engineering approach for the alignment of business and information technology strategy. International Journal of Computer Integrated Manufacturing, 2011, 24, 974-992.	4.6	30
16	Performance measurement system for business processes. Production Planning and Control, 2007, 18, 641-654.	8.8	27
17	Conceptual framework for the characterization of the order promising process in a collaborative selling network context. International Journal of Production Economics, 2009, 120, 100-114.	8.9	27
18	Centralized and distributed optimization models for the multi-farmer crop planning problem under uncertainty: Application to a fresh tomato Argentinean supply chain case study. Computers and Industrial Engineering, 2021, 153, 107048.	6.3	26

#	Article	IF	Citations
19	An information architecture for a performance management framework by collaborating SMEs. Computers in Industry, 2010, 61, 676-685.	9.9	24
20	How enterprise architectures can support integration. , 2005, , .		23
21	Software defined networking firewall for industry 4.0 manufacturing systems. Journal of Industrial Engineering and Management, 2018, 11, 318.	1.5	22
22	Building a production planning process with an approach based on CIMOSA and workflow management systems. Computers in Industry, 1999, 40, 207-219.	9.9	18
23	From UML or DFD models to CIMOSA partial models and enterprise components. International Journal of Computer Integrated Manufacturing, 2006, 19, 248-263.	4.6	18
24	Inter-enterprise architecture as a tool to empower decision-making in hierarchical collaborative production planning. Data and Knowledge Engineering, 2016, 105, 5-22.	3.4	18
25	Building internal business scenarios based on real data from a performance measurement system. Technological Forecasting and Social Change, 2010, 77, 50-62.	11.6	17
26	A review of mathematical models for supporting the order promising process under Lack of Homogeneity in Product and other sources of uncertainty. Computers and Industrial Engineering, 2016, 91, 239-261.	6.3	17
27	Collaborative forecasting management: fostering creativity within the meta value chain context. Supply Chain Management, 2008, 13, 366-374.	6.4	16
28	A fuzzy model for shortage planning under uncertainty due to lack of homogeneity in planned production lots. Applied Mathematical Modelling, 2015, 39, 4463-4481.	4.2	16
29	A Performance Measurement System for Virtual and Extended Enterprises. , 2005, , 285-292.		15
30	Order promising process for extended collaborative selling chain. Production Planning and Control, 2008, 19, 105-131.	8.8	13
31	FIWARE Open Source Standard Platform in Smart Farming - A Review. IFIP Advances in Information and Communication Technology, 2018, , 581-589.	0.7	12
32	A Framework for a Decision Support System in a Hierarchical Extended Enterprise Decision Context. Lecture Notes in Business Information Processing, 2009, , 113-124.	1.0	11
33	Optimization model to support sustainable crop planning for reducing unfairness among farmers. Central European Journal of Operations Research, 2022, 30, 1101-1127.	1.8	11
34	Impact of Bullwhip Effect in Quality and Waste in Perishable Supply Chain. Processes, 2021, 9, 1232.	2.8	11
35	Challenges and Solutions for Enhancing Agriculture Value Chain Decision-Making. A Short Review. IFIP Advances in Information and Communication Technology, 2017, , 761-774.	0.7	11
36	A MODEL-DRIVEN DECISION SUPPORT SYSTEM FOR REALLOCATION OF SUPPLY TO ORDERS UNDER UNCERTAINTY IN CERAMIC COMPANIES. Technological and Economic Development of Economy, 2015, 21, 596-625.	4.6	10

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37	Fleet management system for mobile robots in healthcare environments. Journal of Industrial Engineering and Management, 2021, 14, 55.	1.5	10
38	Performance measurement for e-business enterprises. International Journal of Business Performance Management, 2002, 4, 296.	0.3	9
39	Strategic simulation models as a new methodological approach: an application to information technologies integration, lean/just-in-time and lead-time. Central European Journal of Operations Research, 2021, 29, 1185-1218.	1.8	9
40	Conceptual Framework for Managing Uncertainty in a Collaborative Agri-Food Supply Chain Context. IFIP Advances in Information and Communication Technology, 2017, , 715-724.	0.7	9
41	Improving the role played by humans in the development of enterprise engineering and integration projects through training based on multimedia. International Journal of Computer Integrated Manufacturing, 2002, 15, 335-344.	4.6	8
42	Simulation to reallocate supply to committed orders under shortage. International Journal of Production Research, 2019, 57, 1552-1570.	7.5	8
43	E-grocery retailing: from value proposition to logistics strategy. International Journal of Logistics Research and Applications, 2022, 25, 1381-1400.	8.8	8
44	Supporting Structural and Functional Collaborative Networked Organizations Modeling with Service Entities. IFIP Advances in Information and Communication Technology, 2009, , 547-554.	0.7	8
45	A multi-objective model for inventory and planned production reassignment to committed orders with homogeneity requirements. Computers and Industrial Engineering, 2018, 124, 180-194.	6.3	7
46	Business and IS/IT Strategic Alignment Framework. IFIP Advances in Information and Communication Technology, 2010, , 24-31.	0.7	6
47	A Fuzzy Order Promising Model With Non-Uniform Finished Goods. International Journal of Fuzzy Systems, 2018, 20, 187-208.	4.0	6
48	A decision support tool for the order promising process with product homogeneity requirements in hybrid Make-To-Stock and Make-To-Order environments. Application to a ceramic tile company. Computers and Industrial Engineering, 2018, 122, 219-234.	6.3	6
49	Possibilistic compositions and state functions: application to the order promising process for perishables. International Journal of Production Research, 2019, 57, 7006-7031.	7.5	6
50	El proceso de comprometer pedidos de un paquete de productos integrado por productos del sector cerÃ¡mico y productos complementarios: Parte II DescripciÃ³n de la metodologÃa de soluciÃ³n. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2007, 46, 29-38.	1.9	6
51	Fostering collaborative meta-value chain practices. International Journal of Computer Integrated Manufacturing, 2009, 22, 385-394.	4.6	5
52	System Dynamics Modeling in Additive Manufacturing Supply Chain Management. Processes, 2021, 9, 982.	2.8	5
53	Supply chain management. Modelling collaborative decision. , 0, , .		4
54	A collaborative scheduling GA for products-packages service within extended selling chains environment. Journal of Intelligent Manufacturing, 2012, 23, 1195-1205.	7.3	4

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55	Configurable DSS for Uncertainty Management by Fuzzy Sets. Procedia Computer Science, 2016, 83, 1019-1024.	2.0	4
56	Towards IoT Analytics. A vf-OS Approach. , 2018, , .		4
57	Identifying the Main Uncertainties in the Agri-Food Supply Chain. Lecture Notes in Management and Industrial Engineering, 2019, , 221-229.	0.4	4
58	Deriving Enterprise Engineering and Integration Frameworks from Supply Chain Management Practices. , 2004, , 279-288.		4
59	Enterprise Architecture Framework with Early Business/ICT Alignment for Extended Enterprises. International Federation for Information Processing, 2010, , 11-18.	0.4	4
60	Architecting Business and IS/IT Strategic Alignment for Extended Enterprises. Studies in Informatics and Control, 2011, 20, .	1.2	4
61	Towards a Sustainable Agri-food Supply Chain Model. The Case of LEAF. Lecture Notes in Management and Industrial Engineering, 2019, , 333-341.	0.4	3
62	Additive Manufacturing and Supply Chain: A Review and Bibliometric Analysis. Lecture Notes in Management and Industrial Engineering, 2019, , 323-331.	0.4	3
63	Risk Management in Hierarchical Production Planning Using Inter-enterprise Architecture. IFIP Advances in Information and Communication Technology, 2015, , 17-26.	0.7	3
64	Towards a Framework for Inter-Enterprise Architecture to Boost Collaborative Networks. Lecture Notes in Computer Science, 2013, , 179-188.	1.3	3
65	El proceso de comprometer pedidos de un paquete de productos integrado por productos del sector cerÃ¡mico y productos complementarios: Parte I DescripciÃ³n y caracterizaciÃ³n de la problemÃ¡tica. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2007, 46, 21-28.	1.9	3
66	Using inter-enterprise architecture as an instrument for decision-making under the arrival of unexpected events in hierarchical production planning. Journal of Evidence-Based Medicine, 2015, 5, 73.	1.8	2
67	A Collaborative Model to Improve Farmersâ€™ Skill Level by Investments in an Uncertain Context. IFIP Advances in Information and Communication Technology, 2018, , 590-598.	0.7	2
68	Modelling Pricing Policy Based on Shelf-Life of Non Homogeneous Available-To-Promise in Fruit Supply Chains. IFIP Advances in Information and Communication Technology, 2016, , 608-617.	0.7	2
69	Open Ecosystems, Collaborative Networks and Service Entities Integrated Modeling Approach. International Federation for Information Processing, 2012, , 74-83.	0.4	2
70	Service-Oriented Approach Supporting Dynamic Manufacturing Networks Operations. IFIP Advances in Information and Communication Technology, 2013, , 345-354.	0.7	2
71	Virtual Integration of the Tile Industry (VITI). Lecture Notes in Computer Science, 2003, , 65-76.	1.3	2
72	Enterprise Engineering Versus Cyclic Re-Engineering Methods. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 2047-2052.	0.4	1

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73	An Interoperable Platform to Implement Collaborative Forecasting in OEM Supply Chains. , 2007, , 179-188.		1
74	Understanding Organisational Engineering.. International Journal of Production Management and Engineering, 2016, 4, 1.	1.5	1
75	Big Data Transformation in Agriculture: From Precision Agriculture Towards Smart Farming. IFIP Advances in Information and Communication Technology, 2019, , 467-474.	0.7	1
76	Optimization Models to Improve First Quality Agricultural Production Through a Collaboration Program in Different Scenarios. IFIP Advances in Information and Communication Technology, 2020, , 546-559.	0.7	1
77	Correction to: Boosting Collaborative Networks 4.0. IFIP Advances in Information and Communication Technology, 2021, , C1-C1.	0.7	1
78	Increasing the sustainability of a fresh vegetables supply chain through the optimization of funding programs: A multi-objective mathematical programming approach. Journal of Industrial Engineering and Management, 2022, 15, 256.	1.5	1
79	Toward continuous enterprise improvement: analysis and supporting mechanisms in the GeMM (generic methodology model) proposal. , 0, , .		0
80	Extending Zachman's framework with traceability relationships. International Journal of Information Technology and Management, 2009, 8, 400.	0.1	0
81	Making Product-Service Systems in Collaborative Networks: Implications in Business Processes. , 2012, , 229-236.		0
82	Event Management for Sensing Enterprises with Decision Support Systems. Annals of Data Science, 2015, 2, 103-109.	3.2	0
83	An Approach to the Industrial Organization Engineering Background in Spain. Lecture Notes in Management and Industrial Engineering, 2017, , 11-23.	0.4	0
84	Practices in Knowledge Management in Small and Medium Firms. IFIP Advances in Information and Communication Technology, 2003, , 217-224.	0.7	0
85	Needs and Characteristics of Methodologies for Enterprise Integration. IFIP Advances in Information and Communication Technology, 2003, , 407-415.	0.7	0
86	Automatic Derivation of DAML-S Service Specifications from UML Business Models. Lecture Notes in Computer Science, 2003, , 427-430.	1.3	0
87	Establishing and Keeping Inter-Organisational Collaboration. Some Lessons Learned. , 2007, , 263-270.		0
88	Offshoring Decision Based on a Framework for Risk Identification. IFIP Advances in Information and Communication Technology, 2013, , 540-547.	0.7	0
89	Delivering a Competitive Edge to Small- and Medium-Sized Enterprises (SMEs). , 0, , 315-318.		0
90	Early Warning System Potential for Single Sourcing Risk Mitigation. Lecture Notes in Computer Science, 2014, , 610-617.	1.3	0

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91	Order Promising Process for Supply Chains with Lack of Homogeneity in the Product. Lecture Notes in Management and Industrial Engineering, 2014, , 185-192.	0.4	0
92	A Conceptual Framework for Crop-Based Agri-food Supply Chain Characterization Under Uncertainty. Studies in Systems, Decision and Control, 2021, , 19-33.	1.0	0
93	Improving Vegetablesâ€™ Quality in Small-Scale Farms Through Stakeholdersâ€™ Collaboration. Lecture Notes in Management and Industrial Engineering, 2020, , 95-103.	0.4	0
94	Assessing the Impact of Pumpkins Plantation, Harvest and Storage Decisions on a Collaborative Supply Chain with Data Analysis Tools. IFIP Advances in Information and Communication Technology, 2020, , 511-523.	0.7	0
95	Architecture description for the resolution of the product pack order promising process in a collaborative context. , 2020, , 523-531.		0
96	Collaborative Plan to Reduce Inequalities Among the Farms Through Optimization. IFIP Advances in Information and Communication Technology, 2021, , 125-137.	0.7	0