

# Antônio Carlos Barbosa Grilo

## List of Publications by Year in descending order

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74  
papers

1,913  
citations

471509

17  
h-index

276875

41  
g-index

83  
all docs

83  
docs citations

83  
times ranked

1612  
citing authors

#	ARTICLE	IF	CITATIONS
1	EBCDF: The enterprise blockchain design framework and its application to an e-Procurement ecosystem. Computers and Industrial Engineering, 2022, 171, 108360.	6.3	10
2	Lead management optimization using data mining: A case in the telecommunications sector. Computers and Industrial Engineering, 2021, 154, 107122.	6.3	2
3	The value proposition of blockchain technologies and its impact on Digital Platforms. Computers and Industrial Engineering, 2021, 155, 107187.	6.3	51
4	HOW ATTITUDES, VISION AND ABILITY TO CAPTURE OPPORTUNITIES AFFECT STARTUPS' BUSINESS CREATIVITY. Creativity Studies, 2020, 13, 387-405.	1.2	6
5	An axiomatic design framework to design interoperable buyer-supplier dyads. Enterprise Information Systems, 2019, 13, 1392-1426.	4.7	0
6	The Business Interoperability Decomposition Framework to analyse buyer-supplier dyads. Computers in Industry, 2019, 109, 165-181.	9.9	4
7	Detecting Indicators for Startup Business Success: Sentiment Analysis Using Text Data Mining. Sustainability, 2019, 11, 917.	3.2	88
8	Simulation and forecasting of digital pricing models for an e-procurement platform using an agent-based simulation model. Journal of Simulation, 2018, 12, 211-224.	1.5	3
9	Application of a semantic product matching mechanism in open tendering e-marketplaces. Journal of Public Procurement, 2018, 18, 14-30.	2.0	0
10	A game theory approach to online lead generation for oligopoly markets. Computers and Industrial Engineering, 2018, 121, 131-138.	6.3	10
11	Impact of Business Interoperability on the Performance of Complex Cooperative Supply Chain Networks: A Case Study. Complexity, 2018, 2018, 1-30.	1.6	9
12	Mobile Exergaming in Adolescents' Everyday Life: Contextual Design of Where, When, with Whom, and How: The SmartLife Case. International Journal of Environmental Research and Public Health, 2018, 15, 835.	2.6	8
13	Tender calls search using a procurement product named entity recogniser. Advanced Engineering Informatics, 2018, 36, 216-228.	8.0	12
14	Caller-Agent Pairing in Call Centers Using Machine Learning Techniques with Imbalanced Data. , 2018, , .		7
15	SmartLife - Exergames and Smart Textiles to Promote Energy-Related Behaviours Among Adolescents. Lecture Notes in Computer Science, 2018, , 288-293.	1.3	1
16	Bibliometric analysis and review of Building Information Modelling literature published between 2005 and 2015. Automation in Construction, 2017, 80, 118-136.	9.8	220
17	Gamification in supported geocaching tours. , 2017, , .		5
18	SmartLife smart clothing gamification to promote energy-related behaviours among adolescents. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Relationship between investors and European startup ecosystems builders. , 2017, , .		6
20	Novel strategies for global manufacturing systems interoperability. Journal of Intelligent Manufacturing, 2016, 27, 1-9.	7.3	65
21	An agent-based model for analyzing the impact of business interoperability on the performance of cooperative industrial networks. Data and Knowledge Engineering, 2016, 105, 107-129.	3.4	9
22	Re-design of an Interoperable Buyer-seller Automotive Relationship Aided by Computer Simulation. Procedia CIRP, 2015, 34, 98-105.	1.9	2
23	BIM-Based E-Procurement: An Innovative Approach to Construction E-Procurement. Scientific World Journal, The, 2015, 2015, 1-15.	2.1	15
24	Measuring Efficiency and Productivity Growth of New Technology-Based Firms in Business Incubators: The Portuguese Case Study of Madan Parque. Scientific World Journal, The, 2015, 2015, 1-11.	2.1	12
25	Framework for Customers' Sentiment Analysis. Advances in Intelligent Systems and Computing, 2015, , 849-860.	0.6	5
26	Selection of Digital Marketing Channels: Application of Modern Portfolio Theory. Lecture Notes in Electrical Engineering, 2015, , 585-597.	0.4	1
27	3I Buildings: Intelligent, Interactive and Immersive Buildings. Procedia Engineering, 2015, 123, 7-14.	1.2	16
28	Analyzing the impact of business interoperability on the performance of cooperative supply chain networks. , 2015, , .		0
29	A Simulation Approach to Select Interoperable Solutions in Supply Chain Dyads. Smart Innovation, Systems and Technologies, 2015, , 149-158.	0.6	0
30	Semantic and Syntactic Matching of e-Catalogues - Using Vector Space Model. , 2014, , .		3
31	Simulating Digital Businesses using an Agent Based Modeling Approach. , 2014, , .		1
32	DYNAMOD - An Agent Based Modeling Framework: Applications to Online Social Networks. Advances in Intelligent Systems and Computing, 2014, , 349-361.	0.6	1
33	Modeling Business Interoperability in a Context of Collaborative Supply Chain Networks. Advances in Intelligent Systems and Computing, 2014, , 187-199.	0.6	1
34	Cloud-Marketplaces: Distributed e-procurement for the AEC sector. Advanced Engineering Informatics, 2013, 27, 160-172.	8.0	42
35	Reference framework for enhanced interoperable collaborative networks in industrial organisations. International Journal of Computer Integrated Manufacturing, 2013, 26, 166-182.	4.6	21
36	Systematisation of Interoperability Body of Knowledge: the foundation for Enterprise Interoperability as a science. Enterprise Information Systems, 2013, 7, 7-32.	4.7	101

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37	DYNAMOD: A Modelling Framework for Digital Businesses based on Agent Based Modeling. , 2013, , .		3
38	A methodology for designing an interoperable industrial ecosystems, using the axiomatic design theory. , 2013, , .		3
39	Framework for inter-operative e-Procurement marketplace. , 2013, , .		4
40	Efficiency and productivity growth of technology-based firms in business incubators: A DEA and Malmquist index approach. , 2013, , .		0
41	Construction collaborative networks: the case study of a building information modelling-based office building project. International Journal of Computer Integrated Manufacturing, 2013, 26, 152-165.	4.6	44
42	Information Model for LARGeSCM Interoperable Practices. , 2012, , .		1
43	Fuzzy evaluation model to assess interoperability in LARG Supply Chains. , 2012, , .		2
44	Evaluation model for the sustainable use of information technology. , 2012, , .		0
45	A decision-making model for Lean, Agile, Resilient and Green supply chain management. International Journal of Production Research, 2012, 50, 4830-4845.	7.5	261
46	Sustainable interoperability: The future of Internet based industrial enterprises. Computers in Industry, 2012, 63, 731-738.	9.9	42
47	Linking knowledge management and intellectual capital: An evidence based on Portuguese banks study. , 2012, , .		1
48	The Business Interoperability Quotient Measurement Model. Computers in Industry, 2012, 63, 389-404.	9.9	33
49	Knowledge management system in a construction company. , 2012, , 339-346.		3
50	Compatibility between design and construction building information models. , 2012, , 447-452.		2
51	DESIGNING INTEROPERABLE LEAN, AGILE, RESILIENT AND GREEN INDUSTRIAL ECOSYSTEMS. , 2012, , 263-273.		0
52	A model for evaluating Lean, Agile, Resilient and Green practices interoperability in supply chains. , 2011, , .		11
53	Challenging electronic procurement in the AEC sector: A BIM-based integrated perspective. Automation in Construction, 2011, 20, 107-114.	9.8	99
54	A framework for evaluating lean implementation appropriateness. , 2011, , .		7

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55	An information model in lean, agile, resilient and green supply chains. , 2011, , .		11
56	Building information modeling and collaborative working environments. Automation in Construction, 2010, 19, 521.	9.8	6
57	Value proposition on interoperability of BIM and collaborative working environments. Automation in Construction, 2010, 19, 522-530.	9.8	299
58	SOA4BIM: Putting the building and construction industry in the Single European Information Space. Automation in Construction, 2010, 19, 388-397.	9.8	60
59	Leveraging Knowledge Management with the Balanced Scorecard. , 2010, , .		7
60	Applying fuzzy sets for erp systems selection within the construction industry. , 2010, , .		4
61	Semiotics-based manufacturing systems integration in the advent of a single electronic market. International Journal of Computer Integrated Manufacturing, 2010, 23, 832-851.	4.6	2
62	Developing Interoperability in Mass Customization Information Systems. , 2010, , 49-74.		2
63	The Role of the CIO in the Development of Interoperable Information Systems in Healthcare Organizations. , 2010, , 25-46.		0
64	Analysis of interoperability value proposition in the architectural, engineering and construction sector. , 2009, , .		4
65	Challenges for the Development of Interoperable Information Systems in Healthcare Organizations. , 2009, , .		1
66	A framework for measuring value in business interoperability. , 2007, , .		9
67	Challenging the interoperability between computers in industry with MDA and SOA. Computers in Industry, 2006, 57, 679-689.	9.9	117
68	Analysis on the development of e-platforms in the AEC sector. International Journal of Internet and Enterprise Management, 2005, 3, 187.	0.1	6
69	Deriving an IT-enabled process strategy for construction. Computers in Industry, 1998, 35, 59-75.	9.9	14
70	An experiment for building reusable video information models. , 1998, , .		0
71	Developing IT-enabled virtual enterprises in construction. , 1997, , 99-106.		0
72	Matching heterogeneous e-catalogues in B2B marketplaces using vector space model. International Journal of Computer Integrated Manufacturing, 0, , 1-13.	4.6	4

#	ARTICLE	IF	CITATIONS
73	ICIF: an inter-cloud interoperability framework for computing resource cloud providers in factories of the future. International Journal of Computer Integrated Manufacturing, 0, , 1-11.	4.6	11
74	The Knowledge-Use Level: A Hybrid Knowledge Engineering Methodology for Construction Site Layout Design. , 0, , .		0