Fernando A TohmÃ©

List of Publications by Year
in descending order

101	1,677	516681 16	315719 38
papers	citations	h-index	g-index

105	105	105	1242
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coalition structure generation with worst case guarantees. Artificial Intelligence, 1999, 111, 209-238.	5.8	506
2	Industry 4.0: Smart Scheduling. International Journal of Production Research, 2019, 57, 3802-3813.	7.5	215
3	The Non-Permutation Flow-Shop scheduling problem: A literature review. Omega, 2018, 77, 143-153.	5.9	93
4	Production planning and scheduling in Cyber-Physical Production Systems: a review. International Journal of Computer Integrated Manufacturing, 2019, 32, 385-395.	4.6	71
5	A memetic algorithm based on a NSGAII scheme forÂtheÂflexible job-shop scheduling problem. Annals of Operations Research, 2010, 181, 745-765.	4.1	69
6	A data-driven scheduling approach to smart manufacturing. Journal of Industrial Information Integration, 2019, 15, 69-79.	6.4	62
7	Scheduling research contributions to Smart manufacturing. Manufacturing Letters, 2018, 15, 111-114.	2.2	52
8	Mass customized/personalized manufacturing in Industry 4.0 and blockchain: Research challenges, main problems, and the design of an information architecture. Information Fusion, 2022, 79, 44-57.	19.1	47
9	An Industry 4.0 approach to assembly line resequencing. International Journal of Advanced Manufacturing Technology, 2019, 105, 3619-3630.	3.0	36
10	On the emergence of public education in land-rich economies. Journal of Development Economics, 2008, 86, 434-446.	4.5	31
11	Single-Crossing, Strategic Voting and the Median Choice Rule. Social Choice and Welfare, 2006, 26, 363-383.	0.8	29
12	Coalition formation processes with belief revision among bounded-rational self-interested agents. Journal of Logic and Computation, 1999, 9, 793-815.	0.8	28
13	Visual attractiveness in routing problems: A review. Computers and Operations Research, 2019, 103, 13-34.	4.0	25
14	Aggregation of Attack Relations: A Social-Choice Theoretical Analysis of Defeasibility Criteria. , 2008, , 8-23.		23
15	Collective argumentation: A survey of aggregation issues around argumentation frameworks. Argument and Computation, 2017, 8, 1-34.	1.1	22
16	Strategic planning in a forest supply chain: a multigoal and multiproduct approach. Canadian Journal of Forest Research, 2017, 47, 297-307.	1.7	20
17	Multifractal behavior of commodity markets: Fuel versus non-fuel products. Physica A: Statistical Mechanics and Its Applications, 2016, 457, 573-580.	2.6	18
18	A middle income trap in a small open economy: Modeling the Argentinean case. Economic Modelling, 2016, 53, 436-444.	3.8	17

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19	Two approaches to the problems of self-attacking arguments and general odd-length cycles of attack. Journal of Applied Logic, 2009, 7, 403-420.	1.1	16
20	Judgement aggregation in multi-agent argumentation. Journal of Logic and Computation, 2017, 27, 227-259.	0.8	16
21	Spatial modelling for low pathogenicity avian influenza virus at the interface of wild birds and backyard poultry. Transboundary and Emerging Diseases, 2019, 66, 1493-1505.	3.0	16
22	Abduction in economics: a conceptual framework and its model. SynthÃˆse, 2013, 190, 4215-4237.	1.1	14
23	Tampering with inflation data: A Benford law-based analysis of national statistics in Argentina. Physica A: Statistical Mechanics and Its Applications, 2019, 525, 761-770.	2.6	13
24	A non-permutation flowshop scheduling problem with lot streaming: A Mathematical model. International Journal of Industrial Engineering Computations, 2016, , 507-516.	0.7	10
25	A Decision Support Tool for Urban Freight Transport Planning Based on a Multi-Objective Evolutionary Algorithm. IEEE Access, 2019, 7, 156707-156721.	4.2	10
26	A combinatorial analysis of the permutation and non-permutation flow shop scheduling problems. European Journal of Operational Research, 2021, 289, 841-854.	5.7	10
27	Negotiation and Defeasible Decision Making. Theory and Decision, 2002, 53, 289-311.	1.0	9
28	Abduction: A categorical characterization. Journal of Applied Logic, 2015, 13, 78-90.	1.1	8
29	The Dominance Flow Shop Scheduling Problem. Electronic Notes in Discrete Mathematics, 2018, 69, 21-28.	0.4	8
30	A constructive sequence algebra for the calculus of indications. Soft Computing, 2020, 24, 17621-17629.	3.6	8
31	Stochastic forestry harvest planning under soil compaction conditions. Journal of Environmental Management, 2021, 296, 113157.	7.8	8
32	A memetic algorithm for the integral OBP/OPP problem in a logistics distribution center. Uncertain Supply Chain Management, 2019, , 203-214.	3.2	7
33	The Tolerance Scheduling Problem in a Single Machine Case. Profiles in Operations Research, 2020, , 255-273.	0.4	7
34	Rolf Mantel and the Computability of General Equilibria: On the Origins of the Sonnenschein-Mantel-Debreu Theorem. History of Political Economy, 2006, 38, 213-227.	0.3	6
35	Abducing the Crisis. Studies in Computational Intelligence, 2010, , 179-198.	0.9	6
36	Quantifying worldwide economic distress. Regional Statistics, 2019, 9, 3-12.	0.8	6

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37	A Multi-objective Memetic Algorithm for the Job-Shop Scheduling Problem. Operational Research, 2013, 13, 233-250.	2.0	5
38	Choice of a PISA selector in a hybrid algorithmic structure for the FJSSP. Decision Science Letters, 2015, 4, 247-260.	1.2	5
39	AnÃƒÂ¡lisis envolvente de datos. Un caso de estudio para una universidad argentina. Estudios Gerenciales, 2017, 33, 302-308.	0.5	5
40	Designing a Scheduling Logic Controller for Industry 4.0 Environments. IFAC-PapersOnLine, 2019, 52, 2164-2169.	0.9	5
41	Critical paths of non-permutation and permutation flow shop scheduling problems. International Journal of Industrial Engineering Computations, 2020, , 281-298.	0.7	5
42	Computing Truth Values in the Topos of Infinite Peirceâ€™s Î±-Existential Graphs. Applied Mathematics and Computation, 2020, 385, 125343.	2.2	5
43	Toward integrating imperative and logic programming paradigms. ACM SIGPLAN Notices, 1991, 26, 35-44.	0.2	5
44	STRATEGIC ANALYSIS OF FOREST INVESTMENTS USING REAL OPTION: THE FUZZY PAY-OFF MODEL (FPOM). Fuzzy Economic Review, 2014, 19, .	0.4	5
45	The foundations of DeLP: defeating relations, games and truth values. Annals of Mathematics and Artificial Intelligence, 2009, 57, 181-204.	1.3	4
46	Comparison of Multiobjective Evolutionary Algorithms for Operations Scheduling under Machine Availability Constraints. Scientific World Journal, The, 2013, 2013, 1-9.	2.1	4
47	A Markov-switching approach to the study of citations in academic journals. Journal of Informetrics, 2020, 14, 101081.	2.9	4
48	Upstream logistic transport planning in the oil-industry: a case study. International Journal of Industrial Engineering Computations, 2020, , 221-234.	0.7	4
49	The tolerance scheduling problem for maximum lateness in Industry 4.0 systems. , 2021, , 95-113.		4
50	A methodology to answer to individual queries : finding relevant and robust controls. Behaviormetrika, 2021, 48, 259-282.	1.3	4
51	A mathematical representation of economic evolution. Mathematical and Computer Modelling, 1998, 27, 29-40.	2.0	3
52	Existence and definability of states of the world. Mathematical Social Sciences, 2005, 49, 81-100.	0.5	3
53	Defeasible Reasoning + Partial Models: A Formal Framework for the Methodology of Research Programs. Foundations of Science, 2011, 16, 47-65.	0.7	3
54	Integrating packing and distribution problems and optimization through mathematical programming. Decision Science Letters, 2016, , 317-326.	1.2	3

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55	The Future of Mathematics in Economics: A Philosophically Grounded Proposal. Foundations of Science, 2017, 22, 677-693.	0.7	3
56	Superrational types. Logic Journal of the IGPL, 2019, 27, 847-864.	1.5	3
57	Asking Infinite Voters â€˜Who is a J?â€™: Group Identification Problems in $mathbb {N}$. Journal of Classification, 2020, 37, 58-65.	2.2	3
58	A Generic Figures Reconstruction of Peirceâ€™s Existential Graphs (Alpha). Erkenntnis, 2020, , 1.	0.9	3
59	Alternative Axioms in Group Identification Problems. Journal of Classification, 2021, 38, 353-362.	2.2	3
60	Assessing the behavior and performance of a supervised term-weighting technique for topic-based retrieval. Information Processing and Management, 2021, 58, 102483.	8.6	3
61	Economic evolution and uncertainty: Transitions and structural changes. Journal of Dynamics and Games, 2019, 6, 149-158.	1.0	3
62	knowledge representation in Industry 4.0 scheduling problems. International Journal of Computer Integrated Manufacturing, 2022, 35, 1172-1187.	4.6	3
63	Order batching and order picking with 3D positioning of the articles: solution through a hybrid evolutionary algorithm. Mathematical Biosciences and Engineering, 2022, 19, 5546-5563.	1.9	3
64	Beyond admissibility: accepting cycles in argumentation with game protocols for cogency criteria. Journal of Logic and Computation, 2016, 26, 1235-1255.	0.8	2
65	Inductive Reasoning in Social Choice Theory. Journal of Logic, Language and Information, 2019, 28, 551-575.	0.6	2
66	Structural relations of symmetry among players in strategic games. International Journal of General Systems, 2019, 48, 443-461.	2.5	2
67	Stable Matching with Double Infinity of Workers and Firms. B E Journal of Theoretical Economics, 2019, 19, .	0.2	2
68	Product liability under ambiguity. European Journal of Law and Economics, 2020, 49, 473-487.	1.1	2
69	Effort of rugby teams according to the bonus point system: a theoretical and empirical analysis. International Journal of Game Theory, 2021, 50, 447-474.	0.5	2
70	A hybrid genetic algorithm for ROADEF'05-like complex production problems. DYNA (Colombia), 2015, 82, 82-88.	0.4	2
71	Instability, political regimes and economic growth. A theoretical framework. Metroeconomica, 2022, 73, 291.	1.0	2
72	Local Logics, Non-Monotonicity and Defeasible Argumentation. Journal of Logic, Language and Information, 2005, 14, 1-12.	0.6	1

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73	Economic theory and the Alternative Set Theory AFA-+AD+DC. Logic Journal of the IGPL, 2009, 17, 179-203.	1.5	1
74	La teorÃa de juegos conductual, el dilema del viajero alternativo y la maximizaciÃ³n de pagos. Estudios De Economia, 2011, 38, 457-473.	0.2	1
75	Architectures engender crises: The emergence of power laws in social networks. Physica A: Statistical Mechanics and Its Applications, 2016, 450, 305-316.	2.6	1
76	Contextuality Scenarios Arising from Networks of Stochastic Processes. Open Systems and Information Dynamics, 2016, 23, 1650012.	1.2	1
77	Local and global optima in decision-making: a sheaf-theoretical analysis of the difference between classical and behavioral approaches. International Journal of General Systems, 2017, 46, 879-897.	2.5	1
78	Strategic Growth with Recursive Preferences: Decreasing Marginal Impatience. Dynamic Games and Applications, 2019, 9, 314-365.	1.9	1
79	Solving Order Batching/Picking Problems with an Evolutionary Algorithm. Communications in Computer and Information Science, 2021, , 177-186.	0.5	1
80	Modelling the Dynamics of a Digital Twin. Communications in Computer and Information Science, 2021, , 238-252.	0.5	1
81	Processes of Evolutionary Self-Organization in High Inflation Experiences. , 2005, , 357-371.		1
82	An Alternative Foundation for DeLP: Defeating Relations and Truth Values. , 2008, , 42-57.		1
83	An alternative hybrid evolutionary technique focused on allocating machines and sequencing operations. International Journal of Industrial Engineering Computations, 2016, , 585-596.	0.7	1
84	The impact of birth order on behavior in contact team sports: Evidence of rugby teams.. Journal of Neuroscience, Psychology, and Economics, 2020, 13, 230-243.	1.0	1
85	Blockchain Production Planning in Mass Personalized Environments. Studies in Big Data, 2022, , 271-291.	1.1	1
86	Evolutionary Self-Organized Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 105-109.	0.4	0
87	Interactive visualization of agent societies. , 0, , .		0
88	Local logics, non-monotonicity and defeasible argumentation. Journal of Logic, Language and Information, 2004, 14, 1-12.	0.6	0
89	Causal Apportionment of Tort Liability: An Efficient Approach. Review of Law and Economics, 2016, 12, .	0.3	0
90	Modeling the Origin-Destination Matrix withÂIncomplete Information. Lecture Notes in Computer Science, 2017, , 121-127.	1.3	0

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91	The class of states of the world as an -groupoid: identifying states of the world and hierarchies of belief. International Journal of General Systems, 2018, 47, 632-645.	2.5	0
92	Iterated Admissibility Through Forcing in Strategic Belief Models. Journal of Logic, Language and Information, 2020, 29, 491-509.	0.6	0
93	Similarity as an extension of symmetry and its application to superrationality. Manuscrito, 0, , .	0.1	0
94	Fuzzy group identification problems. Fuzzy Sets and Systems, 2021, , .	2.7	0
95	A Theoretical Approach to Endogenous Development Traps in an Evolutionary Economic System. Advances in Intelligent Systems and Computing, 2015, , 255-267.	0.6	0
96	Social preferences are not enough: Accounting for anomalous behavior in a complex mixed-motive game. Cuadernos De Economia (Colombia), 2015, 34, 261-278.	0.2	0
97	On Rationality in The Travelerâ€™s Dilemma. Critica-Revista Hispanoamericana De Filosofia, 2018, 50, 55-68.	0.1	0
98	Categorical economic theory. , 2019, , 56-68.		0
99	Modelling the Dynamics of a Smart Factory. , 2021, , 1-23.		0
100	A Tale of two narratives: assessing the sociological hypothesis of the appeal of the US dollar in Argentina. Quality and Quantity, 0, , 1.	3.7	0
101	Markov chains, eigenvalues and the stability of economic growth processes. Empirical Economics, 0, , .	3.0	0