

# Jair M Abe

## List of Publications by Year in descending order

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129  
papers

676  
citations

623734

14  
h-index

713466

21  
g-index

153  
all docs

153  
docs citations

153  
times ranked

373  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple Criteria Decision Analysis (MCDA) for evaluating cancer treatments in hospital-based health technology assessment: The Paraconsistent Value Framework. PLoS ONE, 2022, 17, e0268584.	2.5	5
2	Instrumento de Avaliação de Competências Aplicando a Lógica Paraconsistente Anotada Evidencial E <sub>1</sub> . Research, Society and Development, 2021, 10, e7610413444.	0.1	1
3	Paraconsistent Annotated Logic Algorithms Applied in Management and Control of Communication Network Routes. Sensors, 2021, 21, 4219.	3.8	5
4	Incidence and associated factors of type 2 diabetes mellitus onset in the Brazilian HIV/AIDS cohort study. Brazilian Journal of Infectious Diseases, 2021, 25, 101608.	0.6	4
5	Escala de Usabilidade do Sistema Baseada na Lógica Paraconsistente Anotada Evidencial ET. Research, Society and Development, 2021, 10, e53610817617.	0.1	0
6	Software optimization for LGPD compliance using Paraconsistent Evidential Annotated Logic E <sub>1</sub> . Procedia Computer Science, 2021, 192, 3049-3059.	2.0	1
7	Application of Paraconsistent Annotated Evidential Logic E <sub>1</sub> for a Terrestrial Mobile Robot to Avoid Obstacles. Procedia Computer Science, 2021, 192, 1821-1830.	2.0	5
8	Application of architecture using AI in the training of a set of pixels of the image at aid decision-making diagnostic cancer. Procedia Computer Science, 2021, 192, 1740-1749.	2.0	0
9	Expert Group Simulation Evaluating Behavioural Competence by Paraconsistent Annotated Evidential Logic E <sub>1</sub> . Procedia Computer Science, 2021, 192, 1779-1786.	2.0	0
10	Paraconsistent Annotated Evidential Logic E <sub>1</sub> , Applied to Autonomous Robots in Logistic Center. IFIP Advances in Information and Communication Technology, 2021, , 533-540.	0.7	0
11	DEVELOPING REAL-TIME FACE MASK DETECTION WITH FACIAL TEMPERATURE MEASURE FOR COVID-19 INDOOR MONITORING SYSTEM. Journal of Computer Science and Cybernetics, 2021, 37, 279-289.	0.3	0
12	A Mobile Application to Follow Up the Management of Broiler Flocks. AgriEngineering, 2021, 3, 990-1000.	3.2	0
13	Automatic prediction of stress in piglets (Sus Scrofa) using infrared skin temperature. Computers and Electronics in Agriculture, 2020, 168, 105148.	7.7	16
14	Questionnaire Model for Paraconsistent Quality Assessment of Software Developed in Salesforce. IFIP Advances in Information and Communication Technology, 2020, , 333-340.	0.7	1
15	Proposições para a Criação de Parques Tecnológicos utilizando a Lógica E <sub>1</sub> : um mapa para o agronegócio. Brazilian Journal of Development, 2020, 6, 7315-7329.	0.1	1
16	Three decades of paraconsistent annotated logics: a review paper on some applications. Procedia Computer Science, 2019, 159, 1175-1181.	2.0	8
17	Determination of the turning point of cache efficiency in computer networks with logic E <sub>1</sub> . Procedia Computer Science, 2019, 159, 1182-1189.	2.0	1
18	The Productivity Gains Achieved In Applicability of The Prototype AITOD with Paraconsistent Logic in Support in Decision-Making in Project Remeasurement.. Procedia Computer Science, 2019, 154, 347-353.	2.0	2

#	ARTICLE	IF	CITATIONS
19	Classification of piglet ( <i>Sus Scrofa</i> ) stress conditions using vocalization pattern and applying paraconsistent logic $E_{\perp}$ . <i>Computers and Electronics in Agriculture</i> , 2019, 166, 105020.	7.7	19
20	Analysis of Raman spectroscopy data with algorithms based on paraconsistent logic for characterization of skin cancer lesions. <i>Vibrational Spectroscopy</i> , 2019, 103, 102929.	2.2	12
21	Paraconsistent logic used for estimating the gait score of broiler chickens. <i>Biosystems Engineering</i> , 2018, 173, 115-123.	4.3	21
22	Validation of CD4+ T-cell and viral load data from the HIV-Brazil Cohort Study using secondary system data. <i>BMC Infectious Diseases</i> , 2018, 18, 617.	2.9	4
23	Some Aspects on Complementarity and Heterodoxy in Non-Classical Logics. <i>Procedia Computer Science</i> , 2018, 126, 1253-1260.	2.0	0
24	Handling Paraconsistency and Paracompleteness in Robotics. , 2018, , .		2
25	Using Logic Concepts in Software Measurement. <i>Procedia Computer Science</i> , 2018, 131, 600-607.	2.0	2
26	Organizational Climate Assessment Using the Paraconsistent Decision Method. <i>Procedia Computer Science</i> , 2018, 131, 608-618.	2.0	4
27	The Importance of Paraconsistency and Paracompleteness in Intelligent Systems. <i>Smart Innovation, Systems and Technologies</i> , 2018, , 196-205.	0.6	1
28	Applying the Paraconsistent Annotated Evidential Logic $E_{\perp}$ , in a Solar Tracker for Photovoltaic Panels: An Analytical Approach. <i>IFIP Advances in Information and Communication Technology</i> , 2016, , 280-287.	0.7	0
29	IT Incident Management and Analysis Using Non-classical Logics. <i>IFIP Advances in Information and Communication Technology</i> , 2016, , 20-27.	0.7	0
30	Paraconsistent analysis network applied in the treatment of Raman spectroscopy data to support medical diagnosis of skin cancer. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 1453-1467.	2.8	14
31	Paraconsistent Logics and Applications. <i>Intelligent Systems Reference Library</i> , 2016, , 273-300.	1.2	1
32	Review Paper: Paraconsistent Process Order Control. <i>Smart Innovation, Systems and Technologies</i> , 2016, , 227-237.	0.6	0
33	Paraconsistent Annotated Logic Program EVALPSN and Its Application to Intelligent Control. <i>Intelligent Systems Reference Library</i> , 2016, , 337-401.	1.2	0
34	Determination of Operating Parameters and Performance Analysis of Computer Networks with Paraconsistent Annotated Evidential Logic $E_{\perp}$ . <i>IFIP Advances in Information and Communication Technology</i> , 2016, , 3-11.	0.7	2
35	Logical Decision-Making Method Relating to Innovation Management. <i>IFIP Advances in Information and Communication Technology</i> , 2016, , 12-19.	0.7	0
36	Mitigating Serialization and Traceability, a Study on the Strategies for the Implementation of the System and Adaptation to the TBR n $\{\mathbf{o}\}$ . 54 2013. <i>IFIP Advances in Information and Communication Technology</i> , 2016, , 445-451.	0.7	0

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37	Paraconsistent Artificial Neural Network for Structuring Statistical Process Control in Electrical Engineering. Intelligent Systems Reference Library, 2016, , 77-102.	1.2	2
38	Annotated Logics and Intelligent Control. Intelligent Systems Reference Library, 2016, , 301-335.	1.2	1
39	ERP Software Quality Using Paraconsistent Logic. IFIP Advances in Information and Communication Technology, 2016, , 731-738.	0.7	0
40	Paraconsistents artificial neural networks applied to the study of mutational patterns of the F subtype of the viral strains of HIV-1 to antiretroviral therapy. Anais Da Academia Brasileira De Ciencias, 2016, 88, 323-34.	0.8	0
41	Factors Associated with Mortality and Graft Failure in Liver Transplants: A Hierarchical Approach. PLoS ONE, 2015, 10, e0134874.	2.5	23
42	Introduction to Annotated Logics. Intelligent Systems Reference Library, 2015, , .	1.2	27
43	Evidential Reasoning in Annotated Logics. , 2015, , .		3
44	Paraconsistent Artificial Neural Network Applied in Breast Cancer Diagnosis Support. IFIP Advances in Information and Communication Technology, 2015, , 464-472.	0.7	0
45	Power Optimization in Photovoltaic Panels Through the Application of Paraconsistent Annotated Evidential Logic EI,,. IFIP Advances in Information and Communication Technology, 2015, , 655-661.	0.7	2
46	Paraconsistent Artificial Neural Networks and Aspects of Pattern Recognition. Intelligent Systems Reference Library, 2015, , 207-231.	1.2	5
47	Application of Paraconsistent Artificial Neural Network in Statistical Process Control acting on voltage level monitoring in Electrical Power Systems. , 2015, , .		3
48	An Algorithmic Method Supported by Paraconsistent Annotated Logic Applied to the Determination of Friction Factors for Turbulent Flow in Smooth Pipes. Intelligent Systems Reference Library, 2015, , 153-174.	1.2	0
49	Paraconsistent Logics: Preamble. Intelligent Systems Reference Library, 2015, , 1-22.	1.2	0
50	Paraconsistent Annotated Logic Program EVALPSN and Its Applications. Intelligent Systems Reference Library, 2015, , 39-85.	1.2	0
51	Importance of Bidimensional Data Matrix Code Against Medicine Counterfeiting. IFIP Advances in Information and Communication Technology, 2015, , 582-588.	0.7	1
52	A Logical Framework for Imprecise and Conflicting Knowledge Representation for Multi-agent Systems. IFIP Advances in Information and Communication Technology, 2015, , 202-210.	0.7	0
53	An Analyzer of Computer Network Logs Based on Paraconsistent Logic. IFIP Advances in Information and Communication Technology, 2015, , 620-627.	0.7	1
54	Variants and Related Systems. Intelligent Systems Reference Library, 2015, , 61-110.	1.2	0

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55	Propositional Algebra P1. Smart Innovation, Systems and Technologies, 2015, , 1-10.	0.6	0
56	Priority Modes of Transport for Soybeans from the Center-West Region in Brazil. IFIP Advances in Information and Communication Technology, 2015, , 324-331.	0.7	0
57	Constructive Discursive Logic: Paraconsistency in Constructivism. Intelligent Systems Reference Library, 2015, , 23-38.	1.2	0
58	Paraconsistent neurocomputing and brain signal analysis. Vietnam Journal of Computer Science, 2014, 1, 219-230.	1.2	3
59	The paraconsistent process order control method. Vietnam Journal of Computer Science, 2014, 1, 29-37.	1.2	20
60	Handwritten Numerical Character Recognition Based on Paraconsistent Artificial Neural Networks. Studies in Computational Intelligence, 2014, , 93-102.	0.9	2
61	Paraconsistent Annotated Logic Programs and Application to Intelligent Verification Systems. Studies in Computational Intelligence, 2014, , 279-315.	0.9	0
62	Paraconsistent Method of Prospective Scenarios (PMPS). Lecture Notes in Computer Science, 2014, , 76-84.	1.3	2
63	Análise do impacto das patentes no Índice global de inovação com aplicação de lógica paraconsistente anotada. Exacta, 2014, 12, 173-182.	0.5	0
64	MICR Automated Recognition based on Paraconsistent Artificial Neural Networks. Procedia Computer Science, 2013, 22, 1083-1091.	2.0	7
65	A PARACONSISTENT ANNOTATED LOGIC PROGRAM BEFORE-AFTER EVALPSN AND ITS APPLICATION. , 2013, , 207-242.		0
66	PARACONSISTENT ARTIFICIAL NEURAL NETWORKS AND APPLICATIONS. , 2013, , 307-330.		0
67	PARACONSISTENT ANNOTATED EVIDENTIAL LOGIC $\mathcal{E}_1$ , AND APPLICATIONS IN AUTOMATION AND ROBOTICS. , 2013, , 331-352.		1
68	Paraconsistent artificial neural networks and EEG. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2013, 17, 99-111.	1.0	2
69	Curry algebras and propositional algebra $C \leq 1$ . International Journal of Reasoning-based Intelligent Systems, 2013, 5, 127.	0.1	1
70	Some recent results in paraconsistent artificial neural networks. International Journal of Reasoning-based Intelligent Systems, 2013, 5, 253.	0.1	0
71	Reaching Energetic Sustainability through a Self-oriented Battery Charger, Based on Paraconsistent Annotated Evidential Logic $\mathcal{E}_1$ , IFIP Advances in Information and Communication Technology, 2013, , 369-374.	0.7	2
72	Paraconsistent Artificial Neural Networks and AD Analysis – Improvements. Lecture Notes in Computer Science, 2012, , 259-267.	1.3	0

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73	Paraconsistent Artificial Neural Networks and Delta, Theta, Alpha, and Beta Bands Detection. Intelligent Systems Reference Library, 2012, , 331-364.	1.2	1
74	Paraconsistent Artificial Neural Networks and Pattern Recognition: Speech Production Recognition and Cephalometric Analysis. Intelligent Systems Reference Library, 2012, , 365-382.	1.2	0
75	A logical reasoning system of process before-after relation based on a paraconsistent annotated logic program bf-EVALPSN. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2011, 15, 145-163.	1.0	5
76	Improved Application of Paraconsistent Artificial Neural Networks in Diagnosis of Alzheimer's Disease. American Journal of Neuroscience, 2011, 2, 17-27.	0.4	3
77	Paraconsistent artificial neural networks and EEG analysis. International Journal of Reasoning-based Intelligent Systems, 2011, 3, 115.	0.1	1
78	Curry systems for algebraisation of some non-classical logics. International Journal of Reasoning-based Intelligent Systems, 2011, 3, 59.	0.1	1
79	The sensing system for the autonomous mobile robot Emmy III. , 2011, , .		4
80	Application of Paraconsistent Artificial Neural Networks as a Method of Aid in the Diagnosis of Alzheimer Disease. Journal of Medical Systems, 2010, 34, 1073-1081.	3.6	29
81	Paraconsistent Artificial Neural Network as Auxiliary in Cephalometric Diagnosis. Artificial Organs, 2010, 34, E215-21.	1.9	33
82	A Simplified Version of the Fuzzy Decision Method and its Comparison with the Paraconsistent Decision Method. , 2010, , .		5
83	Paraconsistent logics and applications. , 2010, , .		11
84	Constructive Discursive Reasoning. Lecture Notes in Computer Science, 2010, , 200-206.	1.3	1
85	Paraconsistent Artificial Neural Networks and EEG Analysis. Lecture Notes in Computer Science, 2010, , 164-173.	1.3	0
86	Introduction to Intelligent Network Routing Based on EVALPSN. Lecture Notes in Computer Science, 2010, , 123-132.	1.3	0
87	Application of EVALPSN to Network Routing. Smart Innovation, Systems and Technologies, 2010, , 527-536.	0.6	1
88	Monadic Curry System N1*. Lecture Notes in Computer Science, 2010, , 143-153.	1.3	0
89	Application of Bf-EVALPSN to Real-time Process Order Control. , 2009, , .		0
90	The development of paraconsistent annotated logic programs. International Journal of Reasoning-based Intelligent Systems, 2009, 1, 92.	0.1	14

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91	A survey of paraconsistent annotated logics and applications. International Journal of Reasoning-based Intelligent Systems, 2009, 1, 31.	0.1	4
92	Multi-agent Systems and Paraconsistent Knowledge. Studies in Computational Intelligence, 2009, , 101-121.	0.9	2
93	Autonomous Mobile Robot Emmy III. Studies in Computational Intelligence, 2009, , 317-327.	0.9	7
94	Introduction to Plausible Reasoning Based on EVALPSN. Studies in Computational Intelligence, 2009, , 363-372.	0.9	5
95	Some Three-Valued Temporal Logics for Future Contingents. Studies in Computational Intelligence, 2009, , 351-361.	0.9	1
96	A Logical Reasoning System of Before-after Relation Based on Bf-EVALPSN. Lecture Notes in Computer Science, 2009, , 135-143.	1.3	0
97	A Logical Anticipatory System of Before-After Relation Based on Bf-EVALPSN. Lecture Notes in Computer Science, 2009, , 380-387.	1.3	1
98	An Algebraic Version of the Monadic System C1. Studies in Computational Intelligence, 2009, , 341-349.	0.9	4
99	Real-time intelligent process order control based on a paraconsistent annotated logic program EVALPSN. , 2008, , .		0
100	Decision Making Method Based on Paraconsistent Annotated Logic and Statistical Method: a Comparison. , 2008, , .		2
101	A Paraconsistent Logic Program bf-EVALPSN and its Application to Process Order Control. , 2008, , .		0
102	Constructive Logic and the Sorites Paradox. Studies in Computational Intelligence, 2008, , 285-292.	0.9	0
103	Improving EEG Analysis by Using Paraconsistent Artificial Neural Networks. Lecture Notes in Computer Science, 2008, , 466-473.	1.3	0
104	Two Applications of Paraconsistent Logical Controller. Studies in Computational Intelligence, 2008, , 249-254.	0.9	1
105	An Intelligent Coordinated Traffic Signal Control Based on EVALPSN. Lecture Notes in Computer Science, 2007, , 869-876.	1.3	3
106	Paraconsistent artificial neural networks and Alzheimer disease: A preliminary study. Dementia E Neuropsychologia, 2007, 1, 241-247.	0.8	22
107	Manipulating Paraconsistent Knowledge in Multi-agent Systems. Lecture Notes in Computer Science, 2007, , 159-168.	1.3	1
108	A Natural Deduction System for Annotated Predicate Logic. Lecture Notes in Computer Science, 2007, , 861-868.	1.3	3

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109	Monadic Curry Algebras Q <sub>1</sub> ,. Lecture Notes in Computer Science, 2007, , 893-900.	1.3	5
110	Intelligent Paraconsistent Logic Controller and Autonomous Mobile Robot Emmy II. Lecture Notes in Computer Science, 2006, , 851-857.	1.3	9
111	Logic Determined by Boolean Algebras with Conjugate. Lecture Notes in Computer Science, 2006, , 871-878.	1.3	0
112	Intelligent System of Paraconsistent Logic to Control Autonomous Moving Robots. Industrial Electronics Society (IECON ), Annual Conference of IEEE, 2006, , .	0.0	3
113	Paraconsistent Artificial Neural Network: Applicability in Computer Analysis of Speech Productions. Lecture Notes in Computer Science, 2006, , 844-850.	1.3	8
114	Paraconsistent Artificial Neural Network: An Application in Cephalometric Analysis. Lecture Notes in Computer Science, 2005, , 716-723.	1.3	3
115	Non-alethic Reasoning in Distributed Systems. Lecture Notes in Computer Science, 2005, , 724-731.	1.3	1
116	Paraconsistent Artificial Neural Networks: An Introduction. Lecture Notes in Computer Science, 2004, , 942-948.	1.3	14
117	Paraconsistent Annotated Logic in Viability Analysis: an Approach to Product Launching. AIP Conference Proceedings, 2004, , .	0.4	1
118	Para-Fuzzy Logic Controller. Lecture Notes in Computer Science, 2004, , 935-941.	1.3	0
119	Impact of clinical experience on quantification of clinical signs at physical examination. Journal of Internal Medicine, 2003, 254, 257-263.	6.0	11
120	Intelligent Real-Time Traffic Signal Control Based on a Paraconsistent Logic Program EVALPSN. , 2003, , 719-723.		22
121	Defeasible Deontic Robot Control Based on Extended Vector Annotated Logic Programming. AIP Conference Proceedings, 2002, , .	0.4	11
122	Extended Vector Annotated Logic Program and its Applications to Robot Action Control and Automated Safety Verification. , 2002, , 665-679.		8
123	A defeasible deontic reasoning system based on annotated logic programming. AIP Conference Proceedings, 2001, , .	0.4	18
124	Annotated Semantics for Defeasible Deontic Reasoning. Lecture Notes in Computer Science, 2001, , 470-478.	1.3	42
125	Proposal of a new system of nomenclature for phylogenetic systematics. Arquivos De Zoologia, 2001, 36, 1.	0.3	39
126	ParaconsistÃancia em informÃtica e inteligÃncia artificial. Estudos Avancados, 2000, 14, 161-174.	0.5	3



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127	A framework for intelligent systems based on vector annotated logic programs. , 1999, , .		2
128	Categorias do ser e biologia. Estudos Avancados, 1992, 6, 143-156.	0.5	1
129	A noÃ§Ã£o de estrutura em matemÃ¡tica e fÃsica. Estudos Avancados, 1989, 3, 113-125.	0.5	0