

# Reinaldo Padilha França

## List of Publications by Year in descending order

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Version: 2024-02-01

87  
papers

373  
citations

1307594

7  
h-index

996975

15  
g-index

95  
all docs

95  
docs citations

95  
times ranked

177  
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of the impact of PACS as health informatics and technology e-health in healthcare management. , 2022, , 101-128.		1
2	A cognitive approach to digital health based on deep learning focused on classification and recognition of white blood cells. , 2022, , 1-25.		0
3	Overview of sources of microgrids for residential and rural electrification: a panorama in the modern age. , 2022, , 69-85.		0
4	Overview of microgrids in the modern digital age: an introduction and fundamentals. , 2022, , 27-43.		1
5	The fundamentals and potential of heuristics and metaheuristics for multiobjective combinatorial optimization problems and solution methods. , 2022, , 9-29.		3
6	An Overview of Internet of Things Technology Applied on Precision Agriculture Concept. , 2022, , 492-515.		0
7	A Computational Intelligence Perspective on Multimodal Image Registration for Unmanned Aerial Vehicles (UAVs). Lecture Notes in Electrical Engineering, 2021, , 251-274.	0.4	1
8	The Fundamentals and Potential of the Internet of Vehicles (IoV) in Today's Society. Internet of Things, 2021, , 3-29.	1.7	0
9	An Introduction to Blockchain Technology and Their Applications in the Actuality with a View of Its Security Aspects. Blockchain Technologies, 2021, , 31-53.	0.8	2
10	A Review of MIMO. Advances in Wireless Technologies and Telecommunication Book Series, 2021, , 209-235.	0.4	1
11	An Overview of Internet of Things Technology Applied on Precision Agriculture Concept. Advances in Environmental Engineering and Green Technologies Book Series, 2021, , 47-70.	0.4	7
12	Applying a Methodology in Data Transmission of Discrete Events From the Perspective of Cyber-Physical Systems Environments. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2021, , 278-300.	0.5	1
13	An Overview of Narrowband Internet of Things (NB-IoT) in the Modern Era. Advances in Wireless Technologies and Telecommunication Book Series, 2021, , 26-45.	0.4	3
14	A Look at Machine Learning in the Modern Age of Sustainable Future Secured Smart Cities. Advanced Sciences and Technologies for Security Applications, 2021, , 359-383.	0.5	2
15	The fundamentals and potential of translational medicine in healthcare. , 2021, , 13-27.		0
16	A Metaheuristic Algorithm for Classification of White Blood Cells in Healthcare Informatics. Studies in Computational Intelligence, 2021, , 219-238.	0.9	1
17	An Overview of the Internet of Medical Things and Its Modern Perspective. Internet of Things, 2021, , 1-23.	1.7	1
18	Big Data and Cloud Computing. Advances in Data Mining and Database Management Book Series, 2021, , 29-50.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Smart Cities Ecosystem in the Modern Digital Age: An Introduction. <i>Advanced Sciences and Technologies for Security Applications</i> , 2021, , 49-70.	0.5	1
20	An efficient bioinformatics algorithm for healthcare: Detection and counting of leukocytes, blasts, and erythrocytes. , 2021, , 215-230.		0
21	A Look at Semantic Web Technology and the Potential Semantic Web Search in the Modern Era. <i>Studies in Computational Intelligence</i> , 2021, , 59-79.	0.9	0
22	An Overview of the Edge Computing in the Modern Digital Age. <i>Advances in Information Security</i> , 2021, , 33-52.	1.2	2
23	An Overview and Technological Background of Semantic Technologies. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2021, , 1-21.	0.4	2
24	An Overview of Medical Internet of Things, Artificial Intelligence, and Cloud Computing Employed in Health Care from a Modern Panorama. <i>Internet of Things</i> , 2021, , 3-23.	1.7	1
25	An Overview of Web 2.0 and Its Technologies and Their Impact in the Modern Era. <i>Advances in Business Information Systems and Analytics Book Series</i> , 2021, , 73-93.	0.4	1
26	Better Transmission of Information Focused on Green Computing Through Data Transmission Channels in Cloud Environments with Rayleigh Fading. <i>Green Energy and Technology</i> , 2021, , 71-93.	0.6	4
27	World Cup Optimization Algorithm: Application for Optimal Control of Pitch Angle in Hybrid Renewable PV/Wind Energy System. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 25-47.	0.4	5
28	Speed Control of a DC Motor Using PID Controller Based on Improved Whale Optimization Algorithm. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 153-167.	0.4	7
29	The Fundamentals and Potential for Cybersecurity of Big Data in the Modern World. <i>Studies in Computational Intelligence</i> , 2021, , 51-73.	0.9	4
30	Hardware Modeling Challenges Regarding Application-Focused PCB Designs in Industry 4.0 and IoT Conceptual Environments. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 489-498.	0.6	2
31	A Look at the Evolution of Autonomous Cars and Its Impact on Society Along with Their Perspective on Future Mobility. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 583-594.	0.6	1
32	An Overview of the Machine Learning Applied in Smart Cities. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2021, , 91-111.	0.5	8
33	A Methodology for Improving Efficiency in Data Transmission in Healthcare Systems. <i>Studies in Big Data</i> , 2021, , 49-70.	1.1	5
34	A Look at Artificial Intelligence on the Perspective of Application in the Modern Education. <i>Studies in Computational Intelligence</i> , 2021, , 171-189.	0.9	0
35	Smart City: A Qualitative Reflection of How the Intelligence Concept with Effective Ethics Procedures Applied to the Urban Territory Can Effectively Contribute to Mitigate the Corruption Process and Illicit Economy Markets. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 557-570.	0.6	1
36	Hematology: A Review of the Main Methodologies of Clinical Analyses. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 49-59.	0.6	1

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37	Classification of Dermoscopy Skin Images with the Application of Deep Learning Techniques. Smart Innovation, Systems and Technologies, 2021, , 73-81.	0.6	1
38	An Overview of Internet of Things Security from a Modern Perspective. Smart Innovation, Systems and Technologies, 2021, , 639-652.	0.6	0
39	An Insight into Applications of Internet of Things Security from a Blockchain Perspective. Smart Innovation, Systems and Technologies, 2021, , 143-152.	0.6	3
40	A Study on Investigations Carried Out in Dams from the Perspective of Risk Analysis. Smart Innovation, Systems and Technologies, 2021, , 225-234.	0.6	0
41	Understanding Quantum Computation Concepts and Applications. Smart Innovation, Systems and Technologies, 2021, , 351-359.	0.6	0
42	Cytology and Hematology: A Review of the Fundamental Principles. Smart Innovation, Systems and Technologies, 2021, , 35-47.	0.6	0
43	A Discussion of the Challenges Small Towns Face in Reaching the Promising Scenario of Electronic Government Intelligent Cities. Smart Innovation, Systems and Technologies, 2021, , 571-581.	0.6	0
44	Using Metaheuristics in Discrete-Event Simulation. Lecture Notes in Electrical Engineering, 2021, , 275-292.	0.4	2
45	Metaheuristics Applied to Blood Image Analysis. Lecture Notes in Electrical Engineering, 2021, , 117-135.	0.4	2
46	Development of a laboratory medical algorithm for simultaneous detection and counting of erythrocytes and leukocytes in digital images of a blood smear. , 2020, , 165-186.		13
47	Potential proposal to improve data transmission in healthcare systems. , 2020, , 267-283.		13
48	Intelligent Applications of WSN in the World: A Technological and Literary Background. Advances in Intelligent Systems and Computing, 2020, , 13-34.	0.6	9
49	An Overview of the Integration between Cloud Computing and Internet of Things (IoT) Technologies. , 2020, , 1-22.		3
50	A Proposal Based on Discrete Events for Improvement of the Transmission Channels in Cloud Environments and Big Data. , 2020, , 185-204.		8
51	An Overview of Blockchain and its Applications in the Modern Digital Age. , 2020, , 185-207.		3
52	Computer-aided Diagnosis of Skin Cancer: A Review. Current Medical Imaging, 2020, 16, 781-793.	0.8	82
53	Improvement of the Transmission of Information for ICT Techniques Through CBEDE Methodology. Advances in Educational Technologies and Instructional Design Book Series, 2020, , 13-34.	0.2	16
54	A Proposal of Improvement for Transmission Channels in Cloud Environments Using the CBEDE Methodology. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 184-202.	0.5	6

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55	Improvement for Channels With Multipath Fading (MF) Through the Methodology CBEDE. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2020, , 25-43.	0.5	6
56	Lower Memory Consumption for Data Transmission in Smart Cloud Environments With CBEDE Methodology. Advances in Computational Intelligence and Robotics Book Series, 2020, , 216-237.	0.4	7
57	Improved Transmission of Data and Information in Intrusion Detection Environments Using the CBEDE Methodology. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 26-46.	0.5	4
58	A Review on the Technological and Literary Background of Multimedia Compression. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 1-20.	0.5	2
59	The Axis "Human Papillomavirus - Anal Squamous Cell Carcinoma" A Review. Medical Technologies Journal, 2020, 3, 471-481.	0.5	0
60	The evolution of robotic systems. , 2020, , 1-20.		0
61	An Overview of the Internet of Things Technologies Focusing on Disaster Response. , 2020, , 151-168.		0
62	Coding of Bits for Entities by Means of Discrete Events (CBEDE): A Method of Compression and Transmission of Data. Transactions on Computational Science and Computational Intelligence, 2020, , 17-30.	0.3	0
63	UAV-CPSs as a test bed for new technologies and a primer to Industry 5.0. , 2020, , 1-22.		0
64	Toxoplasmosis Gondii: From Discovery to Advancens in Image Processing. Smart Innovation, Systems and Technologies, 2019, , 91-101.	0.6	3
65	Development of a Kernel: A Deeper Look at the Architecture of an Operating System. Smart Innovation, Systems and Technologies, 2019, , 103-114.	0.6	4
66	Detecting and Counting of Blood Cells Using Watershed Transform: An Improved Methodology. , 2019, , 301-310.		8
67	General Aspects of Pathophysiology, Diagnosis, and Treatment of Sickle Cell Disease. , 2019, , 311-318.		0
68	Betterment Proposal to Multipath Fading Channels Potential to MIMO Systems. Smart Innovation, Systems and Technologies, 2019, , 115-130.	0.6	12
69	A Comparative Study Between Methodologies Based on the Hough Transform and Watershed Transform on the Blood Cell Count. Smart Innovation, Systems and Technologies, 2019, , 65-78.	0.6	10
70	Methodology of High Accuracy, Sensitivity and Specificity in the Counts of Erythrocytes and Leukocytes in Blood Smear Images. Smart Innovation, Systems and Technologies, 2019, , 79-90.	0.6	12
71	Classification of Automatic Skin Lesions from Dermoscopic Images Utilizing Deep Learning. Set International Journal of Broadcast Engineering, 2019, 2019, 107-114.	0.2	4
72	Health 4.0: Applications, Management, Technologies and Review. Medical Technologies Journal, 2019, 2, 262-276.	0.5	40

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73	Potential model for improvement of the data transmission in healthcare systems. , 2019, , .		7
74	Development of Digital Image Processing Methodology WT-MO: An Algorithm of High Accuracy in Detection And Counting of Erythrocytes, Leucocytes, Blasts. , 2019, , .		1
75	WT-MO Algorithm. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 39-79.	0.4	4
76	A Model for Medical Staff Idleness Minimization. Smart Innovation, Systems and Technologies, 2019, , 633-645.	0.6	1
77	Broadcast: The historical development of World Broadcasting and its impact reflected in Brazil. Set International Journal of Broadcast Engineering, 2019, 2019, 86-92.	0.2	0
78	Applied Medical Informatics in the Detection and Counting of Erythrocytes and Leukocytes RHMf the Image Segmentation Algorithm. Set International Journal of Broadcast Engineering, 2019, 2019, 99-106.	0.2	0
79	Video Content Delivery Schemes: Approaches and Directions. Set International Journal of Broadcast Engineering, 2019, 2019, 78-85.	0.2	0
80	Proposal for Improvement of Information Transmission in OFDM Systems RHMf the CBEDE Methodology. Set International Journal of Broadcast Engineering, 2019, 2019, 45-54.	0.2	0
81	Proposal of a Medical Algorithm Based on the Application of Digital Image Processing and Visual Communication Techniques. Set International Journal of Broadcast Engineering, 2018, 2018, 58-66.	0.2	0
82	Improvement of the Content Transmission in Broadcasting Systems: Potential Proposal to Rayleigh and Rician Multichannel MIMO Systems. Set International Journal of Broadcast Engineering, 2018, 2018, 23-33.	0.2	1
83	DISAGGREGATION OF LOADS IN THE SMART GRID CONTEXT. , 0, , 14-25.		2
84	Medical-Laboratory Algorithm WTH-MO for Segmentation of Digital Images of Blood Cells: A New Methodology for Making Hemograms. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	3
85	COUNTING OF ERYTHROCYTES AND LEUCOCYTES THROUGH THE DIGITAL IMAGE SEGMENTATION ALGORITHM WT-MO: A QUICK AND LOW-COST METHODOLOGY. , 0, , 46-56.		0
86	A Proposal to Improve Channels with Rician Fading Through the Methodology CBEDE. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0
87	GENERAL ASPECTS OF TELEMEDICINE: FROM EMERGENCE TO USE IN THE COVID PANDEMIC 19. , 0, , 1-13.		0