Ronaldo Menezes

List of Publications by Citations

116 papers	945 citations	12 h-index	28 g-index
151 ext. papers	1,236 ext. citations	2.3 avg, IF	4.36 L-index

#	Paper	IF	Citations
116	Human mobility: Models and applications. *Physics Reports*, **2018**, 734, 1-74	27.7	308
115	Case studies for self-organization in computer science. *Journal of Systems Architecture*, **2006**, 52, 443-460	3.5	115
114	An adaptive in-network aggregation operator for query processing in wireless sensor networks. *Journal of Systems and Software*, **2008**, 81, 328-342	3.3	30
113	The effect of recency to human mobility. *EPJ Data Science*, **2015**, 4,	3.4	29
112	The scaling of crime concentration in cities. *PLoS ONE*, **2017**, 12, e0183110	3.7	23
111	On coordination and its significance to distributed and multi-agent systems. *Concurrency Computation Practice and Experience*, **2006**, 18, 359-370	1.4	20
110	A new approach to scalable Linda-systems based on swarms **2003**,		19
109	A bio-inspired crime simulation model. *Decision Support Systems*, **2009**, 48, 282-292	5.6	17
108	Unveiling the Interplay between the TLR4/MD2 Complex and HSP70 in the Human Cardiovascular System: A Computational Approach. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	16
107	Using Swarm Intelligence in Linda Systems. *Lecture Notes in Computer Science*, **2004**, 49-65	0.9	14
106	Toward adaptive query processing in wireless sensor networks. *Signal Processing*, **2007**, 87, 2911-2933	4.4	13
105	On the effect of human mobility to the design of metropolitan mobile opportunistic networks of sensors. *Pervasive and Mobile Computing*, **2017**, 38, 215-232	3.5	12
104	Understanding the spread of malicious mobile-phone programs and their damage potential. *International Journal of Information Security*, **2013**, 12, 383-392	2.8	12
103	On the implementation of SwarmLinda **2004**,		12
102	Spatio-temporal variations in the urban rhythm: the travelling waves of crime. *EPJ Data Science*, **2018**, 7,	3.4	12
101	A Recommender System for Youtube Based on its Network of Reviewers **2010**,		11
100	A Self-organizing Approach to Tuple Distribution in Large-Scale Tuple-Space Systems. *Lecture Notes in Computer Science*, **2007**, 146-160	0.9	11

99	Small world picture of worldwide seismic events. *Physica A: Statistical Mechanics and Its Applications* , **2014**, 408, 170-180	3.3	10
98	A model for terrain coverage inspired by ant's alarm pheromones **2007**,		9
97	Using network science to assess particle swarm optimizers. *Social Network Analysis and Mining*, **2015**, 5, 1	2.2	8
96	Towards evidence of long-range correlations in shallow seismic activities. *Europhysics Letters*, **2018**, 121, 58003	1.6	8
95	Communication Diversity in Particle Swarm Optimizers. *Lecture Notes in Computer Science*, **2016**, 77-88	0.9	8
94	Assessing the suitability of network community detection to available meta-data using rank stability **2017**,		8
93	Towards a network-based approach to analyze particle swarm optimizers **2014**,		8
92	Adaptiveness in Linda-Based Coordination Models. *Lecture Notes in Computer Science*, **2004**, 212-232	0.9	8
91	The fading concept in tuple-space systems **2006**,		7
90	**2009**,		6
89	A Data-Driven Social Network Intervention for Improving Organ Donation Awareness Among Minorities: Analysis and Optimization of a Cross-Sectional Study. *Journal of Medical Internet Research*, **2020**, 22, e14605	7.6	6
88	Simulating Crime Against Properties Using Swarm Intelligence and Social Networks **2008**, 300-318		6
87	Assessing Particle Swarm Optimizers Using Network Science Metrics. *Studies in Computational Intelligence*, **2013**, 173-184	0.8	6
86	On the agreement between small-world-like OFC model and real earthquakes. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2015**, 379, 669-675	2.3	5
85	Better exploration-exploitation pace, better swarm: Examining the social interactions **2017**,		5
84	A crime simulation model based on social networks and swarm intelligence **2007**,		5
83	On the Semantics of Coordination Models for Distributed Systems: The LogOp Case Study. *Electronic Notes in Theoretical Computer Science*, **2004**, 97, 97-124	0.7	5
82	Characterizing Organ Donation Awareness from Social Media **2017**,		4

81	A data-driven network approach for characterization of political parties□deology dynamics. *Applied Network Science*, **2019**, 4,	2.9	4
80	On the relation between tourism and trade: A network experiment **2013**,		4
79	**2011**,		4
78	Returners and Explorers Dichotomy in Web Browsing Behavior□A Human Mobility Approach. *Studies in Computational Intelligence*, **2016**, 173-184	0.8	4
77	Identification of Social Tension in Organizational Networks. *Studies in Computational Intelligence*, **2009**, 209-223	0.8	4
76	Using Networks to Understand the Dynamics of Software Development. *Communications in Computer and Information Science*, **2011**, 119-129	0.3	4
75	The Spatial Structure of Crime in Urban Environments. *Lecture Notes in Computer Science*, **2015**, 102-111	0.9	4
74	Characterization of Football Supporters from Twitter Conversations **2016**,		4
73	Uncovering the social interaction network in swarm intelligence algorithms. *Applied Network Science*, **2020**, 5,	2.9	3
72	A self-organized approach for detecting communities in networks. *Social Network Analysis and Mining*, **2014**, 4, 1	2.2	3
71	Understanding organ transplantation in the USA using geographical social networks. *Social Network Analysis and Mining*, **2013**, 3, 457-473	2.2	3
70	The Effect of Citations to Collaboration Networks. *Studies in Computational Intelligence*, **2013**, 177-185	0.8	3
69	Self Organization in Coordination Systems Using a WordNet-Based Ontology **2010**,		3
68	A Temporal Analysis of Geographical Distances in Computer Science Collaborations **2011**,		3
67	Area diversity in computer science collaborations **2012**,		3
66	Using genetic algorithms to generate test plans for functionality testing **2006**,		3
65	On the Problem of Over-clustering in Tuple-based Coordination Systems **2007**,		3
64	Scalability in Linda-like Coordination Systems **2001**, 299-319		3

63	Using Logical Operators as an Extended Coordination Mechanism in Linda. *Lecture Notes in Computer Science*, **2002**, 317-331	0.9	3
62	Understanding Subject-Based Emoji Usage Using Network Science. *Springer Proceedings in Complexity*, **2017**, 151-159	0.3	3
61	Characterization of Written Languages Using Structural Features from Common Corpora. *Springer Proceedings in Complexity*, **2017**, 161-173	0.3	3
60	Author Attribution Using Network Motifs. *Springer Proceedings in Complexity*, **2018**, 199-207	0.3	3
59	Using Network Science to Define a Dynamic Communication Topology for Particle Swarm Optimizers. *Studies in Computational Intelligence*, **2013**, 39-47	0.8	3
58	Characterizing the Social Interactions in the Artificial Bee Colony Algorithm **2019**,		2
57	Evaluating the Performance of Social Networks of Sensors under Different Mobility Models **2013**,		2
56	Tippers and stiffers: An analysis of tipping behavior in taxi trips **2017**,		2
55	A Self-organized Approach for Detecting Communities in Networks. *Studies in Computational Intelligence*, **2013**, 29-39	0.8	2
54	**2008**,		2
53	Balancing energy consumption and memory usage in sensor data processing **2007**,		2
52	**2007**,		2
51	The role of social structures in mobile ad-hoc networks **2005**,		2
50	Experience with memory management in open Linda systems **2001**,		2
49	Gender Patterns of Human Mobility in Colombia: Reexamining Ravenstein Laws of Migration. *Springer Proceedings in Complexity*, **2020**, 269-281	0.3	2
48	Handling Dynamic Networks Using Evolution in Ant-Colony Optimization. *Lecture Notes in Computer Science*, **2008**, 795-804	0.9	2
47	Social Media Vocabulary Reveals Education Attainment of Populations. *Springer Proceedings in Complexity*, **2019**, 157-168	0.3	2
46	From Criminal Spheres of Familiarity to Crime Networks. *Studies in Computational Intelligence*, **2015**, 219-230	0.8	2

45	Using Ants' Brood Sorting to Increase Fault Tolerance in Linda's Tuple Distribution Mechanism. *Lecture Notes in Computer Science*, **2007**, 255-269	0.9	2
44	Differences in the spatial landscape of urban mobility: Gender and socioeconomic perspectives.. *PLoS ONE*, **2022**, 17, e0260874	3.7	2
43	An Approach for Thematic Relevance Analysis Applied to Textual Contributions in Discussion Forums. *International Journal of Distance Education Technologies*, **2019**, 17, 37-51	1.1	1
42	Representing Emoji Usage Using Directed Networks: A Twitter Case Study. *Studies in Computational Intelligence*, **2018**, 829-842	0.8	1
41	On the Performance of Network Science Metrics as Long-Term Investment Strategies in Stock Markets. *Studies in Computational Intelligence*, **2018**, 1053-1064	0.8	1
40	Strategies, Political Position, and Electoral Performance of Brazilian Political Parties **2013**,		1
39	Using Patterns of Social Dynamics in the Design of Social Networks of Sensors **2013**,		1
38	Mining location information from users' spatio-temporal data **2017**,		1
37	**2010**,		1
36	Self-organized control of knowledge generation in pervasive computing systems **2009**,		1
35	SOCIAL: A Self-Organized Entropy-Based Algorithm for Identifying Communities in Networks **2012**,		1
34	A study of terrain coverage models **2008**,		1
33	Swarming computer security: an experiment in policy distribution		1
32	Self-organization and computer security **2005**,		1
31	Network-Based Delineation of Health Service Areas: A Comparative Analysis of Community Detection Algorithms. *Springer Proceedings in Complexity*, **2020**, 359-370	0.3	1
30	Uncovering the differences and similarities between physical and virtual mobility. *Journal of the Royal Society Interface*, **2020**, 17, 20200250	4.1	1
29	On the Idea of Using Nature-Inspired Metaphors to Improve Software Testing **2006**, 541-548		1
28	Modelling the Social Interactions in Ant Colony Optimization. *Lecture Notes in Computer Science*, **2019**, 216-224	0.9	1

27	Characterizing the Dynamics of Academic Affiliations: A Network Science Approach. *Springer Proceedings in Complexity*, **2020**, 393-404	0.3	1
26	The Small World of Seismic Events. *Studies in Computational Intelligence*, **2014**, 97-105	0.8	1
25	An Analysis of the Overlap of Categories in a Network of Blogs. *Studies in Computational Intelligence*, **2013**, 59-70	0.8	1
24	The Social Structure of Organ Transplantation in the United States. *Studies in Computational Intelligence*, **2013**, 199-206	0.8	1
23	Measuring a Category-Based Blogosphere. *Studies in Computational Intelligence*, **2013**, 131-139	0.8	1
22	Exploring the World Languages in Twitter **2016**,		1
21	Entropy in Network Community as an Indicator of Language Structure in Emoji Usage: A Twitter Study Across Various Thematic Datasets. *Studies in Computational Intelligence*, **2019**, 328-337	0.8	1
20	Contrasting social and non-social sources of predictability in human mobility.. *Nature Communications*, **2022**, 13, 1922	17.4	1
19	Beyond exploitation: Measuring the impact of local search in swarm-based memetic algorithms through the interactions of individuals in the population. *Swarm and Evolutionary Computation*, **2022**, 70, 101040	9.8	0
18	Models for Temporal and Spatial Terrain Coverage. *Studies in Computational Intelligence*, **2008**, 239-244	0.8	0
17	Using Network Sciences to Evaluate the Brazilian Airline Network. *Lecture Notes in Computer Science*, **2013**, 849-858	0.9	0
16	Complex Networks Reveal a Glottochronological Classification of Natural Languages. *Springer Proceedings in Complexity*, **2018**, 209-219	0.3	
15	A data science approach for quantifying spatio-temporal effects to graft failures in organ transplantation. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2016**, 2016, 3433-3436	0.9	
14	A Language-Centric Study of Twitter Connectivity. *Lecture Notes in Computer Science*, **2016**, 485-499	0.9	
13	Resource management in open Linda systems. *Concurrency Computation Practice and Experience*, **2003**, 15, 1233-1256	1.4	
12	A Longitudinal Analysis of Vocabulary Changes in Social Media. *Springer Proceedings in Complexity*, **2020**, 212-221	0.3	
11	Simulating Crime Against Properties Using Swarm Intelligence and Social Networks1142-1159		
10	Self-organized and Social Models of Criminal Activity in Urban Environments. *Lecture Notes in Computer Science*, **2006**, 518-519	0.9	

9	Evolution in Swarm Intelligence: An Evolutionary Ant-Based Optimization Algorithm. *Lecture Notes in Computer Science*, **2006**, 512-513	0.9
8	Using Ant Alarm Pheromone to Improve Software Testing Automation *. *Studies in Computational Intelligence*, **2008**, 115-124	0.8
7	Weighted Multi-resource Minority Games. *Studies in Computational Intelligence*, **2018**, 285-305	0.8
6	Short Text Tagging Using Nested Stochastic Block Model: A Yelp Case Study. *Studies in Computational Intelligence*, **2020**, 822-833	0.8
5	Communities of Human Migration in Social Media: An Experiment in Social Sensing. *Springer Proceedings in Complexity*, **2020**, 222-232	0.3
4	Multi-resource Minority Games: Redefining the Game. *Lecture Notes in Networks and Systems*, **2018**, 186-203	0.3
3	A Network-Centric Epidemic Approach for Automated Image Label Annotation. *Communications in Computer and Information Science*, **2011**, 138-145	0.3
2	Understanding History Through Networks: The Brazil Case Study. *Studies in Computational Intelligence*, **2013**, 101-108	0.8
1	Negative Implications of a Power-Law Distribution: A Study on Networks of Scientific Reviewers. *Studies in Computational Intelligence*, **2014**, 305-317	0.8